Yahoo Group Archive: eu-amsat

Yahoo Group summary: EU-AMSAT reflector

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2004-06-18 through 2014-07-22

Source WARC: eu-amsat.ED45Wri.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-23T02-01-34Z-c8358f

Messages included in this PDF: 4615

Message records with no body available in the source archive: 2

Messages omitted as spam from this PDF: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

33. Power on AO-7.

Yahoo group: eu-amsat
Date: 2004-06-18 08:27:28 UTC
From: John Alan Hackett.
Topic: 33 Message: 33

Hi All,
We all know about the power problem
on AO-7. What some people might not know is
that the mode-A transmitter originally only
had 2 watts. These days, almost 30 years on
the estimated output power is probably only
about 500mW.

Therefore, don't expect BBC/CNN type signal
strengths. A good 10m antenna is a *MUST*.

I work mode-A with 5w EIRP! on 20 year old
equipment so there's no excuse for...."but I
don't have the latest all singing, all dancing
Icom/Kenwood/Yaeso".....etc etc

See you on mode-A.

73 John. <la2qaa@...> <la2qaa@...>

excuse

34. AO-7 Power (was Re: [eu-amsat] Digest Number 7)

Yahoo group: eu-amsat
Date: 2004-06-18 16:18:09 UTC
From: Emily Clarke
Topic: 34 Message: 34

John (la2qaa) wrote:

>Hi All,
> We all know about the power problem
>on AO-7. What some people might not know is
>that the mode-A transmitter originally only
>had 2 watts. These days, almost 30 years on
>the estimated output power is probably only
>about 500mW.

The original power was 8W on mode B, 2W on mode C and A. My estimates are pretty close to John's in that mode B is about 2W, C is about 1W and A about 500mw.

To put this into perspective, FO-29 is a solid 1W, so B is 3db stronger than FO-29, C is about the same as FO-29 and A is 3db below. That doesn't seem like very much, so why is Mode A so hard to copy? If you compare the signal strength of modes B and A in relative terms of normal antennas we use (path loss being equal) the answer is obvious:

2M 5 Element Yagi = 9db + 3db = 12db relative
2M Vertical Ground plane = 4db + 3db = 7db relative
10M 3 Element Yagi = 6db -3db=3db relative
10M Vertical = 2db - 3db=-1db relative
10M Dipole= 0db - 3db = -3db relative

So AO-7 in mode B can be as much as 15db above mode A. That's a huge difference! Factor in that most people don't have a 10M Yagi on an AZ-EL rotator they are losing even more power.

73,

Emily

W0EEC - CM87tm
AMSAT Area Coordinator - San Francisco Bay Area
http://www.projectoscar.net http://www.PlanetEmily.com
http://www.experthams.net/ao7

Help Launch Echo - http://www.amsat.org/amsat/sats/echo/index.html
---

35. Excellent post from W0EEC.

Yahoo group: eu-amsat
Date: 2004-06-18 18:05:07 UTC
From: John Alan Hackett.
Topic: 35 Message: 35

Hi Emily,
Excellent! resume (and post) re: the AO-7 mode-A versus
mode-B power.

Great stuff.

73 John.

36. New AMSAT Website

Yahoo group: eu-amsat
Date: 2004-06-19 15:30:26 UTC
From: w0eec
Topic: 36 Message: 36

The newly updated AMSAT website will go into a public BETA test phase shortly. Before we go to "BETA", we are in an "ALPHA" stage and I would like to invite members of AMSAT-EU to participate:

http://www.amsat.org/amsat-new

Please visit the informational (help) pages at
http://www.amsat.org/amsat-new/about

These help pages will provide information on getting around the new site and how it is organized. We hope these information pages will answer most questions about the new site.

Your comments are welcome!

Please do not send comments directly to me.

Please use the Bug Report form to report bugs on a specific page, and the Contact form for non-bug related questions and comments. The a link to the Bug Report form is linked in the footer of every page, and will help us understand the problem and better prioritize the response. If you wish to share your opinions of the site with a larger audience please post to this list rather than amsat-bb since this will not being announced on the BB until the BETA phase begins.

We have two people investigating bugs and one designer/developer (me) fixing issues. We would like not to burn anyone out or overwhelm them with nits. However we are interested in uncovering and resolving as many real issues as possible.

73,

Emily

37. Mode-A antennas & bad ears ...

Yahoo group: eu-amsat
Date: 2004-06-19 21:13:36 UTC
From: SV1BSX
Topic: 37 Message: 37

Hello to the Group,

in Mode-A of OSCAR-7, I'm using a half-Windom HF antenna in order to receive the DownLink on 10m Band. Generally, I have not problem to hear any weak Downlink signal, when the satellite is "QRV" on Mode-A.

As you know, a Windom antenna did not covers the 30m Band (WARC), so I'm using an additional Quarter-wave wire Sloper, in order to cover this band on HF.
By using a change-over switch into my Shack, is possible to "switch-on" the Windom or the Sloper in the input of my receiver.

During the last orbits of AO-7 (Mode-A), I was turning randomly my antenna switch from Windom to Sloper.

Well, it's impressive that I noticed, the Sloper receives the DownLink signals 1-2 S units stronger than Windom ! (always without RF pre-amp)
I was surprised with that observation, actually a Windom antenna covers the 10m. Band, the Sloper did not (it's "cut" for 10.1 Mhz).

The 30 m. Band Sloper tested again and again, but was obvious to me, the Sloper hears much-much better than Windom the AO-7. The explenation may be is that, the 10m. Band is about the 3rd harmonic of 30 m. Band.

I posted this message for those which they have interesting about Mode-A antennas.

Keep in mind, the feedpoint of my Sloper is close to my roof (ground) and the overall length of wire is 7.3 m. The angle of my Sloper is about 45? from the vertical supporting-mast. Actually, I have used as feedpoint the lower edge, close to my roof because the surface is painted with aluminium-paint, which is excellent in order to serve as "ground" (and gives also to my building a good thermo-isolation!).
Alternative, you can make a "ground" by using several quarter-wave wires (radial). In practice, my antenna is not a "pure" Sloper, it's something like between a Sloper and a GP, but working extremely well with AO-7 !

On the other hand, you can try the normal-Sloper setup, with feedpoint on the upper edge. In this case you must use as "ground" the metallic supporting mast, but really I can't say if this setup has the same good result with my Sloper for Satellite reception.

Finally, this message is devoted to some Satellite operators with foul-ears ! Today, I was trying for 3rd time in the last 2 weeks, in order to make a QSO via AO-7 (Mode-A) with a European station (called CQ).
Once again, he don't answered me !

It's strange but, my downlink signal was "Loud and Clear" (on my DownLink receiver) AND I was in the same frequency with him !

So, I have only an explanation: HE IS absolutely "DEAF" !

CONCLUSION : it's very important in the satellite-operation to make first our receiving systems, especially the antennas.

It's unfair to transmit into the Satellite-Uplink with strong power signal, if you can not hear a weak signal in the Downlink.

For this reason I've posted this message... if you know a better antenna for AO-7/Mode-A, or you have any other suggestion, lets us to know.

Have fun with Satellites.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

38. Re: [eu-amsat] Mode-A antennas & bad ears ...

Yahoo group: eu-amsat
Date: 2004-06-20 06:28:40 UTC
From: Jean-Jacques DE REY
Topic: 37 Message: 38

Thanks for the info Mak !

Your sloper seems to work vy well, I was surprised to receive 5N from you while I gave you only 55 the other day....

I believe that - because we cannot 'elevate' our 29.5 MHz antenna - the reception can be quite different from place to place. For example, on an overhead pass, my groundplane will not perform very well, while your sloper gives FB signals. It might be the opposite for low passes.

So, the ideal is off course to be able to switchover antenna's like U are doing.

Best 73s and CU on SAT!

Jean-Jacques DE REY - ON7EQ

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Saturday, 19 June, 2004 23:13
Subject: [eu-amsat] Mode-A antennas & bad ears ...

> Hello to the Group,
>
> in Mode-A of OSCAR-7, I'm using a half-Windom HF antenna in order to
> receive the DownLink on 10m Band. Generally, I have not problem to hear
> any weak Downlink signal, when the satellite is "QRV" on Mode-A.
>
> As you know, a Windom antenna did not covers the 30m Band (WARC), so I'm
> using an additional Quarter-wave wire Sloper, in order to cover this band
> on HF.
> By using a change-over switch into my Shack, is possible to "switch-on"
> the Windom or the Sloper in the input of my receiver.
>
> During the last orbits of AO-7 (Mode-A), I was turning randomly my
antenna
> switch from Windom to Sloper.
>
> Well, it's impressive that I noticed, the Sloper receives the DownLink
> signals 1-2 S units stronger than Windom ! (always without RF pre-amp)
> I was surprised with that observation, actually a Windom antenna covers
> the 10m. Band, the Sloper did not (it's "cut" for 10.1 Mhz).
>
> The 30 m. Band Sloper tested again and again, but was obvious to me,
the
> Sloper hears much-much better than Windom the AO-7. The explenation may

be
> is that, the 10m. Band is about the 3rd harmonic of 30 m. Band.
>
> I posted this message for those which they have interesting about Mode-A

> antennas.
>
> Keep in mind, the feedpoint of my Sloper is close to my roof (ground)
and
> the overall length of wire is 7.3 m. The angle of my Sloper is about 45?
> from the vertical supporting-mast. Actually, I have used as feedpoint the
> lower edge, close to my roof because the surface is painted with
aluminium-
> paint, which is excellent in order to serve as "ground" (and gives also to
> my building a good thermo-isolation!).
> Alternative, you can make a "ground" by using several quarter-wave wires
> (radial). In practice, my antenna is not a "pure" Sloper, it's something
> like between a Sloper and a GP, but working extremely well with AO-7 !
>
> On the other hand, you can try the normal-Sloper setup, with feedpoint
> on the upper edge. In this case you must use as "ground" the metallic
> supporting mast, but really I can't say if this setup has the same good
> result with my Sloper for Satellite reception.
>
> Finally, this message is devoted to some Satellite operators with
> foul-ears ! Today, I was trying for 3rd time in the last 2 weeks, in
order
> to make a QSO via AO-7 (Mode-A) with a European station (called CQ).
> Once again, he don't answered me !
>
> It's strange but, my downlink signal was "Loud and Clear" (on my DownLink
> receiver) AND I was in the same frequency with him !
>
> So, I have only an explanation: HE IS absolutely "DEAF" !
>
> CONCLUSION : it's very important in the satellite-operation to make first
> our receiving systems, especially the antennas.
>
> It's unfair to transmit into the Satellite-Uplink with strong power
signal,
> if you can not hear a weak signal in the Downlink.
>
> For this reason I've posted this message... if you know a better antenna
> for AO-7/Mode-A, or you have any other suggestion, lets us to know.
>
>
> Have fun with Satellites.
>
> 73, Mak SV1BSX
>

>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2002
> Virus Free
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> Yahoo! Groups Links
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39. Re: antennas.

Yahoo group: eu-amsat
Date: 2004-06-20 14:20:53 UTC
From: John Alan Hackett.
Topic: 39 Message: 39

Hello Mak,
Parts of this message may be of interest to
newcomers.
.....

.....Also, your post to the group was
> good (and very sensible) particularly for the newcomers. They need
to be
> taught/advised properly.....as you correctly say, there's
absolutely no
> point transmitting if you can't receive properly, the old adage is
> true.....if you can't hear then, you can't work them.
>
> Let me try to offer an explanation of why your sloper works better
on
> receive than the Windom.
>
> When you feed a 1/2 wavelength Windom off centre you produce lobes
that
are
> pretty much the same as a dipole on the freqiency it's cut for
(resonance
on
> the 1st harmonic). If it's 1 wavelength long you get 4 lobes, 8 for
2
> wavelengths etc etc.....as you lengthen the wire the lobes will
have a
lower
> radiation angle (usually less than 30 degrees of the nominal).....
>
> However!.....when you use a sloping dipole you change the vertival
radiation
> angle of the lobes in relation to GND (earth) and a sloper at 45
degrees
> (usually) produces a very low radiation angle in the horizontal
plane but
a
> high angle in the vertical plane. The radiation is almost always
elliptical!
> (that's the "key" factor). This means that any eventual Farraday
rotational
> effects from a satellite are greatly reduced. (less fading!).
>
> Obviously, circular polarisation is best on a high orbit satellite
BUT NOT

> SO ON AN LEO for the simple fact that circular polarised signals
are only
> circular in *ONE* particular direction.....the boresight oif the
main
beam.
> Obviously, two stations in two locations cannot both! receive a
polarised
> wave from the same source (a moving satellite) this is a physical
> impossibility.
>
> Anyway, to put it simply, a sloper produces just about the perfect
radiation
> pattern for a LEO satellite. What you "lose" in less gain you make
up by
> directing the energy to where it's supposed to be going!.
>
> NB. This is why I recommended the Maypole. 4 electronically switched
slopers
> (1 x director, 3 x
> reflectors + assoscated phasing lines). This type of beam (with a
good
> ground plane) can produce up to 8dB of gain as well as you
can "turn the
> beam" in milli-seconds!.....as opposed to 80 seconds with a
mechanical
> rotor.
>
> You've probably seen the comments on the Amsat-bb re: 10m antennas
but I
> decided not to re-issue my original article on that site. I used
this
system
> on HF (15m) about 20 years ago then rescaled it for 70cm about 4
years ago
> with great success. It's in an old Amsat Journal somewhere.
>
> When I get time I might re-write the whole thing (for 10m) and
donate the
> copyright to THE EU AMSAT group.
.....

73 John. <la2qaa@...>

40. QRP on AO--7.

Yahoo group: eu-amsat
Date: 2004-06-20 14:26:16 UTC
From: John Alan Hackett.
Topic: 40 Message: 40

This post is from Hans PA0HOP.
.....

Hello John,

Just to let you know I heard you very well in cw (giving cq) mode A
via AO-7
at 11:50 UTC.
RST 559, perfect to copy on 29.452 Mc/s.
Tried to reply, however could not find my downlink signal ..., hi.
For uplink I used my old Icom IC-290E (20 years or so old) and 10
watts rf
output into a single turnstile antenna (without reflector) for 2
metres.
Downlink antenna my inverted vee 2 x 11 metres and apex at 10 metres,
fed
with 450 ohm open wire.
Next time better.
.....

Nice to know the 5w EIRP is heard.

73 John.

41. sry !

Yahoo group: eu-amsat
Date: 2004-06-20 14:49:25 UTC
From: Benny Kaulfuss
Topic: 41 Message: 41

Test

sorry ! one testmail

42. Re: [eu-amsat] sry !

Yahoo group: eu-amsat
Date: 2004-06-20 14:53:35 UTC
From: Benny Kaulfuss
Topic: 41 Message: 42

test again !

----- Original Message -----
From: "Benny Kaulfuss" <benny@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, June 20, 2004 4:49 PM
Subject: [eu-amsat] sry !

> Test
>
> sorry ! one testmail
>
>
>
>
> Yahoo! Groups Links
>
>
>
>
>
>

43. AO-7. Further to Maks.....

Yahoo group: eu-amsat
Date: 2004-06-21 11:02:52 UTC
From: John Alan Hackett.
Topic: 43 Message: 43

Hi All,
Further to Mak's post re: 10m downlink
antennas.

It must be stressed to the newcomers (and experienced
operators?) how important the receive antenna is.

There really isn't much point in transmitting to the
satellite if you can't "hear" the stations answering
your calls.

Mode-A on AO-7 is a best a weak signal mode of
communications. As Emily W0EEC previously wrote, originally,
the mode-A transmitter produced an "enormous" 2w but these
days (30 years on) that figure is probably nearer 500mW so in
fact you do! need an antenna, the "wet string" just won't
do here.

Those ex: HF operators (like myself!) who have spent the last
couple of years used to loud and clear signals on mode-B or J
must remember that the 10m downlink is susceptible to the
idiosyncracies of the ionosphere, especially in this less than
optimum part of the solar cycle. If you're having difficulty
communicating via mode-A on AO-7 the first step towards making
things better is to improve your receiving antenna.

Believe me, it *will* help.

73 John.

44. Re: Orbit 35457.

Yahoo group: eu-amsat
Date: 2004-06-22 15:33:58 UTC
From: Emily Clarke
Topic: 44 Message: 44

Hi John,

Usually means that there was another station in the passband that was very strong. When that happens here, we usually find out it is someone poaching the 2m uplink frequency with FM that you can't hear. The FM signal is too weak to be heard on 10M since it's spread out over 15khz, but the transponder still responds to the power. It has no idea if it's FM or if it's 10 CW signals.

73,

Emily

At 01:45 PM 6/22/2004 +0200, you wrote:
>Hi Al,
> AO-7, orbit 35457 this morning. The mode-A transponder was
> extreemly! unstable, the worst I've ever heard it. The frequency was
> jumping up and down like an Irishman with St Vitus's dance.
>
>73 John.

W0EEC - CM87tm
AMSAT Area Coordinator - San Francisco Bay Area
http://www.projectoscar.net http://www.PlanetEmily.com
http://www.experthams.net/ao7

Help Launch Echo - http://www.amsat.org/amsat/sats/echo/index.html
---

45. Re: Orbit 35457.

Yahoo group: eu-amsat
Date: 2004-06-22 21:17:43 UTC
From: SV1BSX
Topic: 44 Message: 45

... AO-7 orbit 35460 / 17.05 UTC / Mode-A, the pass was over Saudi Arabia
and
I worked the 7Z1SJ... "new one" for me on Satellites !
No problem on the downlink signal, as usual was Loud, clear & stable.

73, Mak SV1BSX

----- Original Message -----
From: "john hackett" <la2qaa@...>
To: <w0eec@...>
Cc: <allan_gm1sxx@...>; <eu-amsat@yahoogroups.com>;
<hans.hopstaken@...>; <sv1bsx@...>
Sent: Tuesday, June 22, 2004 2:45 PM
Subject: Orbit 35457.

> Hi Al,
> AO-7, orbit 35457 this morning. The mode-A transponder was
extreemly!
> unstable, the worst I've ever heard it. The frequency was jumping up and
> down like an Irishman with St Vitus's dance.
>
> 73 John.
>
> _____
> Last ned MSN Messenger gratis http://www.msn.no/computing/messenger - Den
> raskeste veien mellom deg og dine venner
>

46. Re: AO-7's weak mode-A.

Yahoo group: eu-amsat
Date: 2004-06-23 07:43:40 UTC
From: John Alan Hackett.
Topic: 46 Message: 46

Hi All,
An interesting note from Emily re: my
recent posting about AO-7's transponder.

73 John.

.....

Hi John,

Usually means that there was another station in the passband that was
very
strong. When that happens here, we usually find out it is someone
poaching
the 2m uplink frequency with FM that you can't hear. The FM signal
is too
weak to be heard on 10M since it's spread out over 15khz, but the
transponder still responds to the power. It has no idea if it's FM
or if
it's 10 CW signals.

73,

Emily

At 01:45 PM 6/22/2004 +0200, you wrote:
>Hi Al,
> AO-7, orbit 35457 this morning. The mode-A transponder was
> extreemly! unstable, the worst I've ever heard it. The frequency
was
> jumping up and down like an Irishman with St Vitus's dance.
>
>73 John.

47. Eggbeater & Turnstile antenna

Yahoo group: eu-amsat
Date: 2004-06-23 12:53:08 UTC
From: SV1BSX
Topic: 47 Message: 47

Hello EU-AMSAT s

I have read the last days, several pages on Internet about
some kinds of omni-directional antennas, for LEO's satellites.

They are 2 type of antennas, that appear to predominate for LEOs:

the "Eggbeater" & the "Turnstile".

BTW, I have not any experience with that, I'm using Yagis with
remoting EL-AZ system.
Actually, my elevation system that I used has broken for second time
(windy QTH)!
So, is very interesting for me an antenna system without EL-AZ system,
in order to cover the LEOs Sats.

Has anyone experience with the "Eggbeater" (or Turnstile) ?

I have found several descriptions, how to construct it
and few performances about the satellite reception, but it's not
clear to me if this antenna is effective for the Satellite UpLink.

Finally, can we work successfully (TX & RX over 10-15? Elevation)
the LEO satellites, just by using a VHF-Eggbeater & a UHF- Eggbeater ?

Thanks in advance

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

48. Hi All

Yahoo group: eu-amsat
Date: 2004-06-24 07:46:04 UTC
From: ksa_7z1sj
Topic: 48 Message: 48

Hi All group
I'm very happy to joining this group and I hope to find useful info
Thanks for sv1bsx for in inviting.

73 de 7z1sj

49. Re: [eu-amsat] Eggbeater & Turnstile antenna

Yahoo group: eu-amsat
Date: 2004-06-24 08:02:11 UTC
From: Jean-Jacques DE REY
Topic: 47 Message: 49
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Mak,

I have no experience with eggbeater (Lindenblad) antenna, but with turnstile yes.

Turnstile is quite critical to arrange for 'clean' circular polarisation + I found that performance for low elevation is not very good.

But another antenna which I definitely recommend is the QFH (Quadrifilar Helix) - I made one for VHF and another for UHF.

They perform very well from elevation as low as 5° (you can define this by construction), exhibit a very clean circular polarisation, and offer gain (+3 ... + 6db depending on construction parameters / elevation).

Construction is very easy, not critical, materials cheap.

On my VHF model I used copper tube of 6mm, SWR was perfect (1.2) at design frequency.

On the UHF model I used as well 6mm tube (which is too much, I realised afterwards... better 3mm plain wire I think), SWR was about 2:1 on design frequency (which was however correct, but believe impedance is too low).

I use now both models for my APRS SatGate station, packets from ISS are coming in as soon as the 'bird' is 5° over horizon ...

I guess that with this antenna you can easily work SO-50 barefoot, for the ISS you might need more power (50w should be fine).

Interesting links about this antenna :

http://website.lineone.net/~askrlc/
http://www.pilotltd.net/qha.htm
http://www.jcoppens.com/ant/index.en.php (I built my both QFH with info from John's site, I believe this give the best info...)
http://www.futesta.de/projekte/ant_quadrifilarhelix.html

Feel free to contact me should you need more info, pictures how I assempbled it , etc....

Vy best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Wednesday, June 23, 2004 2:53 PM
Subject: [eu-amsat] Eggbeater & Turnstile antenna

Hello EU-AMSAT s

I have read the last days, several pages on Internet about
some kinds of omni-directional antennas, for LEO's satellites.

They are 2 type of antennas, that appear to predominate for LEOs:

the "Eggbeater" & the "Turnstile".

BTW, I have not any experience with that, I'm using Yagis with
remoting EL-AZ system.
Actually, my elevation system that I used has broken for second time
(windy QTH)!
So, is very interesting for me an antenna system without EL-AZ system,
in order to cover the LEOs Sats.

Has anyone experience with the "Eggbeater" (or Turnstile) ?

I have found several descriptions, how to construct it
and few performances about the satellite reception, but it's not
clear to me if this antenna is effective for the Satellite UpLink.

Finally, can we work successfully (TX & RX over 10-15° Elevation)
the LEO satellites, just by using a VHF-Eggbeater & a UHF- Eggbeater ?

Thanks in advance

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

Yahoo! Groups Links

50. Re: [eu-amsat] Eggbeater & Turnstile antenna

Yahoo group: eu-amsat
Date: 2004-06-24 15:03:06 UTC
From: SV1BSX
Topic: 47 Message: 50

..OK, thanks for answer dr J-J (ON7EQ) and also to you John (LA2QAA).

Actually, now I read all about this type of antennas (QFH, TPM etc.) before my final dicision.

J-J, your suggestion about QFH seems to be very good, your foto and the icluding URLs was very helpful. Great !

On the other hand, John's suggestion is also very attractive, because the gain that it offers the TPM is very good .

Anyway, I will try to decide... many thanks to both of you.

73, Mak SV1BSX

PS: BTW, is it known any source for a piece RG-62 for the "phasing-stub" of TPM?

----- Original Message -----
From: "Jean-Jacques DE REY" <j.derey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, June 24, 2004 11:02 AM
Subject: Re: [eu-amsat] Eggbeater & Turnstile antenna

Hello Mak,

I have no experience with eggbeater (Lindenblad) antenna, but with turnstile yes.

Turnstile is quite critical to arrange for 'clean' circular polarisation + I found that performance for low elevation is not very good.

But another antenna which I definitely recommend is the QFH (Quadrifilar Helix) - I made one for VHF and another for UHF.

They perform very well from elevation as low as 5? (you can define this by construction), exhibit a very clean circular polarisation, and offer gain (+3 ... + 6db depending on construction parameters / elevation).

Construction is very easy, not critical, materials cheap.

On my VHF model I used copper tube of 6mm, SWR was perfect (1.2) at design frequency.

On the UHF model I used as well 6mm tube (which is too much, I realised afterwards... better 3mm plain wire I think), SWR was about 2:1 on design frequency (which was however correct, but believe impedance is too low).

I use now both models for my APRS SatGate station, packets from ISS are coming in as soon as the 'bird' is 5? over horizon ...

I guess that with this antenna you can easily work SO-50 barefoot, for the ISS you might need more power (50w should be fine).

Interesting links about this antenna :

http://website.lineone.net/~askrlc/
http://www.pilotltd.net/qha.htm
http://www.jcoppens.com/ant/index.en.php (I built my both QFH with info from John's site, I believe this give the best info...)
http://www.futesta.de/projekte/ant_quadrifilarhelix.html

Feel free to contact me should you need more info, pictures how I assempbled it , etc....

Vy best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Wednesday, June 23, 2004 2:53 PM
Subject: [eu-amsat] Eggbeater & Turnstile antenna

Hello EU-AMSAT s

I have read the last days, several pages on Internet about some kinds of omni-directional antennas, for LEO's satellites.

They are 2 type of antennas, that appear to predominate for LEOs:

the "Eggbeater" & the "Turnstile".

BTW, I have not any experience with that, I'm using Yagis with remoting EL-AZ system.
Actually, my elevation system that I used has broken for second time (windy QTH)!
So, is very interesting for me an antenna system without EL-AZ system, in order to cover the LEOs Sats.

Has anyone experience with the "Eggbeater" (or Turnstile) ?

I have found several descriptions, how to construct it
and few performances about the satellite reception, but it's not
clear to me if this antenna is effective for the Satellite UpLink.

Finally, can we work successfully (TX & RX over 10-15? Elevation)
the LEO satellites, just by using a VHF-Eggbeater & a UHF- Eggbeater ?

Thanks in advance

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

Yahoo! Groups Links

51. Keps ?

Yahoo group: eu-amsat
Date: 2004-06-27 12:23:39 UTC
From: SV1BSX
Topic: 51 Message: 51

Hi to all,

I wondering about the Keplerians.... I've no received any update after 10 June 2004 !
Just now I visited the URL of Amsat, the last update was on 10 June. (17 days old)
Why this delay?

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

52. KEPS

Yahoo group: eu-amsat
Date: 2004-06-28 07:28:29 UTC
From: Allan Copland
Topic: 52 Message: 52

Hi,

An alternative and reliable source of keplerian orbital elements is Celestrak.

The URL is www.celestrak.com

73 de Al.
GM1SXX

53. Satellite Tracking Software

Yahoo group: eu-amsat
Date: 2004-06-28 07:48:34 UTC
From: Allan Copland
Topic: 53 Message: 53

Hi,

For newcomers looking for satellite tracking software, the following link is a useful source of information, not only for DOS & Windows, but also Unix/Linux users.

www.celestrak.com/software/satellite/sat-trak.shtml

73 de Al.
GM1SXX

54. More Satellite tracking software

Yahoo group: eu-amsat
Date: 2004-06-28 12:04:42 UTC
From: Allan Copland
Topic: 54 Message: 54

Hi,

This time some software from the Visual Satellite Observers Website.

You may find some of these programs useful.

www.satobs.org/orbsoft.html

For those with an interest in visual satellite observering, see their
main site at www.satobs.org

73 de Al.
GM1SXX

Allan Copland

55. Online ephemeris generator

Yahoo group: eu-amsat
Date: 2004-06-29 11:24:01 UTC
From: Allan Copland
Topic: 55 Message: 55

Hi.

For those who think that loading keps and keeping a satellite tracking program is too much of a chore, there are alternatives.

One such online resource is G3WGM Jim Heck's online tracker. It will produce a timetable of passes for any satellite of interest. All it needs is your QTH or Lat/Long.

You can find this online tool at

www.g3wgm.org/sats/default.htm

Regards,
Al.
GM1SXX

56. AO-Echo

Yahoo group: eu-amsat
Date: 2004-07-04 09:56:21 UTC
From: Benny Kaulfuss
Topic: 56 Message: 56

Hy

i have received AO-e in 9k6 PacketRadio
the signal was very strong ! 59++

show here:

PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-12>BBSTAT>UI,?,F0:
Open ABCD:
PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-11>G8TZJ>UI,?,BB:
OK G8TZJ

PACB-11>PBLIST>UI,?,F0:
PB: G8TZJ\D

PACB-11>QST-1>UI,?,BD:
`.....#?@.#?@?U.....AL100703...
...}.....???@....#?@....#?@.....?...?2
..?....P....P`
PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-11>PBLIST>UI,?,F0:
PB: G8TZJ\D

PACB-1>TIME-1>UI,?,F0:
PHT: uptime is 000/18:21:20. Time is Sat Jul 03 21:50:44 2004

PACB-1>TLMS-1>UI,?,F0:
C0:05 C1:44 C2:76 C3:27 C4:04
PACB-1>BCR-1>UI,?,F0:
BCR: batv=1309 bati=67 batsense=48 battop=1309 batlow=0 batt1=565 batt2=1127
sav=973 sai=452

PACB-1>LSTAT>UI,?,F0:
I P:0x13A8 o:0 l:32179 f:32179, d:0 st:4 e:01

PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-11>G8TZJ>UI,?,BB:
OK G8TZJ

```
PACB-11>PBLIST>UI,?,F0:
PB: G8TZJ\D

PACB-11>QST-1>UI,?,BD:
`.........#?@.#?@?U..........AL100703...
...}......???@....#?@....#?@.......?...?2
..?....P....P`
PACB-11>PBLIST>UI,?,F0:
PB: G8TZJ\D

PACB-11>STATUS>UI,?,F0:
B: 8081

PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-1>TLMS-1>UI,?,F0:
C0:05 C1:44 C2:76 C3:27 C4:04
PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-12>BBSTAT>UI,?,F0:
Open ABCD:
PACB-11>PBLIST>UI,?,F0:
PB: Empty.

PACB-12>G8TZJ>RR1,F

73! de Benny

eMail: Benny@... +++ Homepage: www.DL0GH-SAT.de
QTH: Friedberg (Hessen) - JO40IH
```

57. MINITRAK

Yahoo group: eu-amsat
Date: 2004-07-04 15:13:20 UTC
From: Allan Copland
Topic: 57 Message: 57

Hi,

I placed a copy of my simple DOS based satellite tracker in the
Files / Useful Utilities folder.

Minitrak is a cut down version of my DIY tracker (ROTRACK) and will
do realtime tracking / magic Diamonds charts / Multi-satellite
prediction and predicted orbit data (either to screen or to an ASCII
datafile.. minitrak.eph). This data can be read by Notepad or any
other file reader.

Lastly, it has a utility named INVIEW. This makes a graph of the
amount of time a bird spends at all compas points and elevations over
a time span (usually a month). This allows those with fixed aerials
on a simple rotator to optimise their aerial elevation for a
specified bird.

It has pop-up help via the f1/f2/f3/f4 keys and takes its input from
a 2 line keps file... default is kepele.tle but this can be altered.

I also included PKUNZIP.. to unpack the archive.

make a directory c:\minitrak and copy the archive to that. Pkunzip
and you are ready to go. Please read the instructions & online help.

Have fun es 73.
Al.
GM1SXX

58. QHA antenna

Yahoo group: eu-amsat
Date: 2004-07-04 23:56:54 UTC
From: SV1BSX
Topic: 58 Message: 58

Hi J-J

I was looking your Q?? antenna, but I can't find the dimensions for UHF-QHA.
Is it exactly the 33% of your VHF?

2. I read a comment about "Z" of this QHA, that isn't 50 Ohms but much lower...
how many Ohms is about?

3. I saw also your pictures, your QHA (loops) seems to be from the top CCW (left hand
circular) and not CW (Right hand circular)... is it the picture reversely (mirror)
or the winding of QHA is reverse ? On another page the winding was CW in a similar
antenna, so I'm a little-bit confused.

73, Mak SV1BSX

59. Re: [eu-amsat] QHA antenna

Yahoo group: eu-amsat
Date: 2004-07-05 05:56:16 UTC
From: Jean-Jacques DE REY
Topic: 58 Message: 59

Hi Mak,

I used for dimensions the Javascript calculator at John's site :

http://www.jcoppens.com/ant/qfh/calc.en.php

Regarding L or RHCP : well I really didn't mind, as the antenna was intended to RX only the ISS.

Maybe you better ask John ON6JC john@... for advise.

Well, on my UHF version I measure at resonnance SWR of about 2:1. John believes the impedance is too low (copper pipe diameter too thick for the frequency), so probably impedance is in the region of 25 Ohm ?

I believe that heavy copper wire (3mm) should be better and .... more easy to handle than 5 mm copper tube (it was very difficult to bend this in the proper shape + weld ! The 2m version was no problem at all....).

Best 73s and CU on SAT !

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@....be
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Monday, July 05, 2004 1:56 AM
Subject: [eu-amsat] QHA antenna

Hi J-J

I was looking your QHA antenna, but I can't find the dimensions for
UHF-QHA.
Is it exactly the 33% of your VHF?

2. I read a comment about "Z" of this QHA, that isn't 50 Ohms but much lower...
how many Ohms is about?

3. I saw also your pictures, your QHA (loops) seems to be from the top CCW (left hand
circular) and not CW (Right hand circular)... is it the picture reversely (mirror)
or the winding of QHA is reverse ? On another page the winding was CW in a similar
antenna, so I'm a little-bit confused.

73, Mak SV1BSX

Yahoo! Groups Links

61. SDRAM for space

Yahoo group: eu-amsat
Date: 2004-07-08 02:36:44 UTC
From: pe1rah
Topic: 61 Message: 61

```
Hi AMSATs,

I am new here, and I tought as a good beginning I post some
interresting link about new SDRAMs for space use...

New SDRAM for space from MAXWELL
--------------------------------
http://www.maxwell.com/go/sdram_04.html

73 de HL/PE1RAH, William in S.Korea (at the moment)
---
```

62. TEST

Yahoo group: eu-amsat
Date: 2004-07-12 22:20:32 UTC
From: Benny Kaulfuss
Topic: 62 Message: 62

i still newsgroup still alive ?

73! de Benny

eMail: Benny@... +++ Homepage: www.DL0GH-SAT.de
QTH: Friedberg (Hessen) - JO40IH

63. Re: [eu-amsat] TEST

Yahoo group: eu-amsat
Date: 2004-07-15 23:31:05 UTC
From: SV1BSX
Topic: 62 Message: 63

```
...alive, alive, but seems to be like the LEOs !
If you have worked 10-20 hams on LEOs, you have worked all the world !
Ironic or not, without a HEO sat, no chance for something better
(unfortunately).

On the other hand, is summer... a season for swimming, not
for satellit-ing !

Have fun your summer holidays.

73, Mak SV1BSX

----- Original Message -----
From: "Benny Kaulfuss" <benny@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, July 13, 2004 1:20 AM
Subject: [eu-amsat] TEST

> is still newsgroup still alive ?
>
> 73! de Benny
>
> eMail: Benny@... +++ Homepage: www.DL0GH-SAT.de
> QTH: Friedberg (Hessen) - JO40IH
>
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> Yahoo! Groups Links
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64. Re: [eu-amsat] TEST

Yahoo group: eu-amsat
Date: 2004-07-16 04:43:39 UTC
From: Jean-Jacques DE REY
Topic: 62 Message: 64

OK Mak, I agree with you !

Now that the activity is very very poor, I am working on new antenna's to be ready for the future HEO sats and enjoying with family our Belgian WET summer :o(

Best 73s

Jean-Jacques ON7EQ
----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Friday, July 16, 2004 1:31 AM
Subject: Re: [eu-amsat] TEST

...alive, alive, but seems to be like the LEOs !
If you have worked 10-20 hams on LEOs, you have worked all the world !
Ironic or not, without a HEO sat, no chance for something better
(unfortunately).

On the other hand, is summer... a season for swimming, not
for satellit-ing !

Have fun your summer holidays.

73, Mak SV1BSX

----- Original Message -----
From: "Benny Kaulfuss" <benny@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, July 13, 2004 1:20 AM
Subject: [eu-amsat] TEST

> is still newsgroup still alive ?
>
> 73! de Benny
>
> eMail: Benny@... +++ Homepage: www.DL0GH-SAT.de
> QTH: Friedberg (Hessen) - JO40IH
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> Yahoo! Groups Links
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Yahoo! Groups Links

65. New site for Satellites

Yahoo group: eu-amsat
Date: 2004-07-19 13:31:02 UTC
From: Makis
Topic: 65 Message: 65

Hi to all,

a new, very informative & interesting site about satellites
created by ON6SAT !

Visit:

http://on6sat.com

73, Mak SV1BSX

66. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2004-07-19 13:37:30 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 66

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /YAESU/G-5500 Operating Manual.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : G-5500 Rotator Manual

You can access this file at the URL

http://groups.yahoo.com/group/eu-amsat/files/YAESU/G-5500%20Operating%20Manual.pdf

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

67. FO-29

Yahoo group: eu-amsat
Date: 2004-07-26 13:53:09 UTC
From: SV1BSX
Topic: 67 Message: 67

Hello EU-Amsat friends,

the last days I was QRV (again!) several times on AO-7 & FO-29.
Well, I noticed that, the FO-29 seems to be not very sensitive
as I have noticed in the past.
I am using the same power, the same antenna system but my
return-signal on Downlink of FO-29 is extremely weak.
On the other hand, the AO-7 is in very good shape, with excellent
downlink signals.
Before my searching for a problem in my antenna system or on my
UHF receiver, I wondering if anyone has observed something similar.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

68. Re: [eu-amsat] Digest Number 23

Yahoo group: eu-amsat
Date: 2004-07-27 17:19:02 UTC
From: Emily Clarke
Topic: 68 Message: 68

We have been noticing the same with FO-29 here on the west coast of the US. We are experiencing a lot of QSB. However, we have also been attributing this to unlicensed poachers on the uplink frequency running very high power FM radios. This affects the AGC and the satellite fades very quickly.

73,

Emily

At 09:16 AM 7/27/2004 +0000, "SV1BSX" <sv1bsx@...> wrote:

>Subject: FO-29
>
> Hello EU-Amsat friends,
>
> the last days I was QRV (again!) several times on AO-7 & FO-29.
>Well, I noticed that, the FO-29 seems to be not very sensitive
>as I have noticed in the past.
> I am using the same power, the same antenna system but my
>return-signal on Downlink of FO-29 is extremely weak.
>On the other hand, the AO-7 is in very good shape, with excellent
>downlink signals.
> Before my searching for a problem in my antenna system or on my
>UHF receiver, I wondering if anyone has observed something similar.
>
>73, Mak SV1BSX
>
> sv1bsx@...
>http://www.qsl.net/sv1bsx

W0EEC - CM87tm
AMSAT Area Coordinator - San Francisco Bay Area
http://www.projectoscar.net http://www.PlanetEmily.com
http://www.emilyshouse.com/experthams/ao7/

Help Pay For Echo - http://www.amsat.org/amsat/sats/echo/index.html
---

69. Re: [eu-amsat] Digest Number 23

Yahoo group: eu-amsat
Date: 2004-07-28 01:52:31 UTC
From: SV1BSX
Topic: 68 Message: 69

..thanks for reply Emily, if you have noticed there the same with FO-29,
that is fine for me. I worrying about my systems.

73, Mak

----- Original Message -----
From: "Emily Clarke" <w0eec@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, July 27, 2004 8:19 PM
Subject: Re: [eu-amsat] Digest Number 23

>
> We have been noticing the same with FO-29 here on the west coast of the
> US. We are experiencing a lot of QSB. However, we have also been
> attributing this to unlicensed poachers on the uplink frequency running
> very high power FM radios. This affects the AGC and the satellite fades
> very quickly.
>
> 73,
>
> Emily
>
>
> At 09:16 AM 7/27/2004 +0000, "SV1BSX" <sv1bsx@...> wrote:
>
> >Subject: FO-29
> >
> > Hello EU-Amsat friends,
> >
> > the last days I was QRV (again!) several times on AO-7 & FO-29.
> >Well, I noticed that, the FO-29 seems to be not very sensitive
> >as I have noticed in the past.
> > I am using the same power, the same antenna system but my
> >return-signal on Downlink of FO-29 is extremely weak.
> >On the other hand, the AO-7 is in very good shape, with excellent
> >downlink signals.
> > Before my searching for a problem in my antenna system or on my
> >UHF receiver, I wondering if anyone has observed something similar.
> >
> >73, Mak SV1BSX
> >
> > sv1bsx@...
> >http://www.qsl.net/sv1bsx
> ---------------------------------
> W0EEC - CM87tm
> AMSAT Area Coordinator - San Francisco Bay Area

> http://www.projectoscar.net http://www.PlanetEmily.com
> http://www.emilyshouse.com/experthams/ao7/
>
> Help Pay For Echo - http://www.amsat.org/amsat/sats/echo/index.html
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> Yahoo! Groups Links
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70. Antenna steering hardware circuit required

Yahoo group: eu-amsat
Date: 2004-08-03 18:30:06 UTC
From: hrushenka2000
Topic: 70 Message: 70

Hi all

Thanks for taking the time to read this.

I am in the process of converting an old CCTV pan and tilt unit into
a rotator/azimuth unit which I hope to use for satellite tracking.
I am looking for some circuits to interface this to allow PC control
from a tracking program for automatic antenna steering.
The unit uses 12v DC motors, and 2 feedback pots.

Does anyone have any info which would be suitable?

Thanks in advance

Jason, G7KPM

71. Re: [eu-amsat] Antenna steering hardware circuit required

Yahoo group: eu-amsat
Date: 2004-08-11 22:42:47 UTC
From: SV1BSX
Topic: 70 Message: 71

Hi Jason & EU-Amsat group,

I've constructed also a homebrew AZ-EL system with a rotator for AZ +
TVRO Actuator for EL, fully controlled from my PC with NOVA Sat tracking
program.
The unit has 2 pots for feedback, like yours.

I was looking for a simple electronic unit for a long time, and I found the
FODtrack excellent because:

1) you can make it if you have little experience in electronic
constructions.
2) you can find the diagram (and PCB **) on Internet.(it is not
"Top-Secret", like
other models!)
3)you can adapting that in every system AZ/EL.

4)supported by a perfect program for Sat-tracking, like NOVA.
5)is possible to run with the FODtrack program, if you need something very
simple, under DOS (...in your old 386, 486 etc!).
6)it is the cheaper electronic-unit for Sat-tracking.

The electronic components of FODtrack unit are usual, except one IC,
that for D/A converter, but that was rare here in Greece.
Maybe you can find it easily in UK.
It is not expensive, 5-20 $/piece, depend on the market place.

**The only problem is the PCB, which exists in the Web page. The
drawning is not very good for printout, in order to make someone the PCB.
But if you are patient, you can make it that on a general-use (multi-hole)
PCB.
On the other hand you can bought that from AMSAT-CE, for about 100 $
(if I remember correctly).

I 've drawn a new diagram and I plan to make a new PCB,
based into FODtrack software, quite simplest, for my second AZ-EL
system.

I hope my Email was helpful. If you want any additional info,
just let me know.

73, Mak SV1BSX

PS: take a view about FodTrack
www.qsl.net/ve2dx/projects/fod.htm

----- Original Message -----
From: "hrushenka2000" <hrushenka2000@...>

To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, August 03, 2004 9:30 PM
Subject: [eu-amsat] Antenna steering hardware circuit required

> Hi all
>
> Thanks for taking the time to read this.
>
> I am in the process of converting an old CCTV pan and tilt unit into
> a rotator/azimuth unit which I hope to use for satellite tracking.
> I am looking for some circuits to interface this to allow PC control
> from a tracking program for automatic antenna steering.
> The unit uses 12v DC motors, and 2 feedback pots.
>
> Does anyone have any info which would be suitable?
>
> Thanks in advance
>
> Jason, G7KPM
>
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> Yahoo! Groups Links
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72. Important message for KEPS users

Yahoo group: eu-amsat
Date: 2004-08-16 07:57:13 UTC
From: Allan Copland
Topic: 72 Message: 72

Hi Pepole,

I took this message by Thomas Frey HB9SKA from another user group.
I would not normally do such things but it does have relevance for
this group.

The message could be of importance to anyone who uses keplerian
orbital elements. I rather suspect that might be all of us.

Regards,

Allan Copland.

Hello All

Please read the Important Notice of Dr. Kelso at

http://celestrak.com/NORAD/elements/notice.shtml

and fill out the form carefully.

Please forward this mail also to other forums and news groups than
those I have sent it to (see header of mail).

Thank you for your support and may be the kepler data be free !

Mit freundlichen Grüssen, Greeetings, 73
Thomas Frey, HB9SKA

73. Re: [eu-amsat] Important message for KEPS users

Yahoo group: eu-amsat
Date: 2004-08-16 08:07:02 UTC
From: Jean-Jacques DE REY
Topic: 72 Message: 73

Thanks Alland, I have made an entry !

Best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: Allan Copland
To: eu-amsat@yahoogroups.com
Sent: Monday, August 16, 2004 9:57 AM
Subject: [eu-amsat] Important message for KEPS users

Hi Pepole,

I took this message by Thomas Frey HB9SKA from another user group.
I would not normally do such things but it does have relevance for
this group.

The message could be of importance to anyone who uses keplerian
orbital elements. I rather suspect that might be all of us.

Regards,

Allan Copland.

Hello All

Please read the Important Notice of Dr. Kelso at

http://celestrak.com/NORAD/elements/notice.shtml

and fill out the form carefully.

Please forward this mail also to other forums and news groups than
those I have sent it to (see header of mail).

Thank you for your support and may be the kepler data be free !

Mit freundlichen Grüssen, Greeetings, 73
Thomas Frey, HB9SKA

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74. Re: [eu-amsat] Digest Number 27

Yahoo group: eu-amsat
Date: 2004-09-02 02:34:29 UTC
From: SV1BSX
Topic: 74 Message: 74

Hi Emily

I'm very-very sorry for delay to answer you but, I was very busy with
Olympic Games here.

Just now I'm relax and I found some free time to answer you.
On my Web site it's a hiden page about actuators... it is not finished yet,
but may be is useful for ideas.
Just now I have only several illustrations but very soon I'll add fotos.

Take a look and if you have any questions, just let me know.

http://www.qsl.net/sv1bsx/actuator/actuator.html

Vy 73

Mak SV1BSX

PS: I repeat, the page is under construction, so "don't shoot me" for any
possible error !

----- Original Message -----
From: "Emily Clarke" <w0eec@...>
To: "SV1BSX" <sv1bsx@...>
Sent: Thursday, August 12, 2004 6:58 PM
Subject: Re: [eu-amsat] Digest Number 27

>
> Hi Mak,
>
> Do you have any pictures, especially of the TVRO? I've been contemplating
> this kind of elevation control and it would be helpful to see what you
have
> done.
>
> 73,
>
> Emily
>
>
> At 09:24 AM 8/12/2004 +0000, you wrote:
> > Date: Thu, 12 Aug 2004 01:42:47 +0300
> > From: "SV1BSX" <sv1bsx@...>
> >Subject: Re: Antenna steering hardware circuit required
> >
> > Hi Jason & EU-Amsat group,
> >

> > I've constructed also a homebrew AZ-EL system with a rotator for AZ +
> >TVRO Actuator for EL, fully controlled from my PC with NOVA Sat tracking
> >program.
> > The unit has 2 pots for feedback, like yours.
>
>
>
> ---
> W0EEC - CM87tm
> AMSAT Area Coordinator - San Francisco Bay Area
> http://www.projectoscar.net http://www.PlanetEmily.com
> http://www.emilyshouse.com/experthams/ao7/
>
> Help Pay For Echo - http://www.amsat.org/amsat/sats/echo/index.html
> ---
>
>

75. 2li Keps 10 Sep'04

Yahoo group: eu-amsat
Date: 2004-09-15 21:35:04 UTC
From: SV1BSX
Topic: 75 Message: 75

```
AO-7
1 07530U 74089B 04258.97941383 -.00000029 00000-0 10000-3 0 3390
2 07530 101.6724 304.2847 0012154 49.0004 311.2118 12.53568817365160
AO-10
1 14129U 83058B 04258.00274729 -.00000317 00000-0 10000-3 0 1078
2 14129 26.6231 71.7562 6029456 123.8839 308.6057 2.05870895131876
UO-11
1 14781U 84021B 04258.67961043 .00000613 00000-0 90337-4 0 5814
2 14781 98.1816 245.0342 0009784 158.4104 201.7503 14.78995498101078
AO-16
1 20439U 90005D 04258.69327996 .00000042 00000-0 31299-4 0 2797
2 20439 98.2400 292.3174 0010438 306.7204 53.3029 14.31628165764678
DO-17
1 20440U 90005E 04258.70716947 .00000030 00000-0 26550-4 0 9876
2 20440 98.2592 297.5495 0010530 305.6806 54.3397 14.31919735764769
WO-18
1 20441U 90005F 04258.71230790 .00000018 00000-0 21972-4 0 4666
2 20441 98.2542 296.3810 0010950 307.1590 52.8598 14.31703363764737
LO-19
1 20442U 90005G 04258.97301223 .00000031 00000-0 26933-4 0 2356
2 20442 98.2682 300.6973 0011507 305.5209 54.4903 14.31874638764833
FO-20
1 20480U 90013C 04258.64440863 -.00000012 00000-0 39360-4 0 7202
2 20480 99.0408 119.2033 0540481 144.1408 219.7265 12.83341580684150
RS-12/13
1 21089U 91007A 04259.14025687 .00000025 00000-0 97156-5 0 7314
2 21089 82.9193 115.0243 0030168 123.1733 237.2321 13.74440834682710
UO-22
1 21575U 91050B 04258.86948132 .00000132 00000-0 55753-4 0 2061
2 21575 98.2017 229.2162 0007242 191.8354 168.2674 14.39413223690897
KO-23
1 22077U 92052B 04258.85564913 -.00000037 00000-0 10000-3 0 3276
2 22077 66.0894 3.0614 0008969 321.4772 38.5605 12.86425116568175
AO-27
1 22825U 93061C 04256.66075989 -.00000040 00000-0 90124-7 0 9397
2 22825 98.2444 261.0273 0008371 13.5360 346.6158 14.29083575571583
IO-26
1 22826U 93061D 04258.97882164 .00000058 00000-0 38836-4 0 6298
2 22826 98.2438 264.5031 0009524 2.6552 357.4681 14.29320890571978
KO-25
1 22828U 93061F 04258.61694390 .00000052 00000-0 36334-4 0 8773
2 22828 98.2356 264.3972 0009665 341.4779 18.6040 14.29641023540146
POSAT
1 22829U 93061G 04255.42664263 -.00000042 00000-0 -63046-6 0 9006
2 22829 98.2349 262.2605 0009786 351.0706 9.0301 14.29973330571631
```

```
RS-15
1 23439U 94085A 04258.92812733 -.00000039 00000-0 10597-3 0 8325
2 23439 64.8148 192.6996 0155395 5.1535 355.0946 11.27549811400356
FO-29
1 24278U 96046B 04258.80376882 -.00000002 00000-0 33276-4 0 8132
2 24278 98.5834 339.0289 0350616 169.4509 191.4238 13.52903390398958
TO-31
1 25396U 98043C 04258.97627905 -.00000043 00000-0 00000-0 0 756
2 25396 98.5684 327.9865 0001519 249.9186 110.1830 14.23632729321258
GO-32
1 25397U 98043D 04256.55644540 -.00000044 00000-0 -63551-6 0 5587
2 25397 98.5606 323.6540 0000143 287.9092 72.2081 14.23050762320847
SO-33
1 25509U 98061B 04258.80218110 .00000075 00000-0 88221-6 0 1952
2 25509 31.4318 149.0441 0356430 279.2217 76.8287 14.27863505307433
PO-34
1 25520U 98064B 04258.48308078 .00001280 00000-0 55471-4 0 110
2 25520 28.4601 354.8486 0005569 107.8913 252.2287 15.15728790324708
ISS (ZARYA)
1 25544U 98067A 04259.48429595 .00024302 00000-0 20463-3 0 6936
2 25544 51.6347 224.8432 0005410 149.8249 310.0931 15.69688441332502
UO-36
1 25693U 99021A 04259.03647246 .00000080 00000-0 30461-4 0 4494
2 25693 64.5582 48.6474 0046623 247.1276 112.4904 14.78381681291145
OO-38
1 26063U 00004C 04258.50115854 .00000051 00000-0 37768-4 0 1600
2 26063 100.2229 61.7939 0037323 110.8764 249.6445 14.35667198242737
SO-41
1 26545U 00057A 04258.69014575 .00000218 00000-0 47603-4 0 8770
2 26545 64.5567 66.0084 0018525 357.0190 3.0758 14.79851855214167
MO-46
1 26548U 00057D 04258.71085335 .00000450 00000-0 73935-4 0 9774
2 26548 64.5569 51.9931 0019031 337.5456 22.4793 14.82401227214451
SO-42
1 26549U 00057E 04258.94574880 .00000218 00000-0 48788-4 0 9778
2 26549 64.5506 72.3557 0018691 12.7819 347.3756 14.78745376214055
AO-40
1 26609U 00072B 04256.24075957 -.00000148 00000-0 10000-3 0 4340
2 26609 9.7900 343.4408 7967701 319.4495 3.4216 1.25585785 17761
NO-44
1 26931U 01043C 04258.76759196 -.00000081 00000-0 58018-6 0 8557
2 26931 67.0519 217.1115 0006516 269.8326 90.2028 14.29319791154404
NO-45
1 26932U 01043D 04257.98793098 -.00000088 00000-0 -21206-5 0 8501
2 26932 67.0557 218.7615 0005080 283.3421 76.7103 14.29440101154325
AO-49
1 27605U 02058A 04258.43659981 .00000213 00000-0 54076-4 0 5379
2 27605 64.5565 253.6595 0082414 293.9217 65.3270 14.71925575 93269
SO-50
1 27607U 02058C 04258.46920878 .00000458 00000-0 93228-4 0 5171
```

```
2 27607 64.5562 257.6542 0083634 292.8798 66.3493 14.70717042 93187
AO-51
1 28375U 04025K 04254.60390515 -.00000042 00000-0 78766-6 0 639
2 28375 98.2524 321.6607 0084402 355.8774 4.1721 14.40386808 10377
```

76. Helo...

Yahoo group: eu-amsat
Date: 2004-09-17 08:38:06 UTC
From: SV1BSX
Topic: 76 Message: 76

Hi to all,

...after the summertime and the holidays, are we again active with our "batteries" in full charge?
Or we have problems with our BCRs and batteries like the AO-40? Hi Hi...
I don't see any traffic here...

Anyway, I wish to all members of EU-amsat a good new season and many QSOs through the "birds".

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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77. AW: [eu-amsat] Helo...

Yahoo group: eu-amsat
Date: 2004-09-17 08:55:59 UTC
From: Benny Kaulfuss
Topic: 76 Message: 77

Hello

My Batteries are now FULL :-))

Make ACTIVITY HERE :-))

73! De Benny , DO4BMW

-----Ursprüngliche Nachricht-----
Von: SV1BSX [mailto:sv1bsx@yahoo.gr]
Gesendet: Freitag, 17. September 2004 10:38
An: EU-Amsat
Betreff: [eu-amsat] Helo...

Hi to all,

...after the summertime and the holidays, are we again active with our "batteries" in full charge? Or we have problems with our BCRs and batteries like the AO-40? Hi Hi...
I don't see any traffic here...

Anyway, I wish to all members of EU-amsat a good new season and many QSOs through the "birds".

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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78. Re: [eu-amsat] Helo...

Yahoo group: eu-amsat
Date: 2004-09-17 09:00:56 UTC
From: Jean-Jacques DE REY
Topic: 76 Message: 78

Hi Benny

Mine are as well fully charged HI !

Tks fer ur QSLs, I will send mine tonight via Buro !

CU on SAT

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: Benny Kaulfuss
To: eu-amsat@yahoogroups.com
Sent: Friday, September 17, 2004 10:55 AM
Subject: AW: [eu-amsat] Helo...

Hello

My Batteries are now FULL :-))

Make ACTIVITY HERE :-))

73! De Benny , DO4BMW

-----Ursprüngliche Nachricht-----
Von: SV1BSX [mailto:sv1bsx@...]
Gesendet: Freitag, 17. September 2004 10:38
An: EU-Amsat
Betreff: [eu-amsat] Helo...

Hi to all,

...after the summertime and the holidays, are we again active with our "batteries" in full charge? Or we have problems with our BCRs and batteries like the AO-40? Hi Hi...

I don't see any traffic here...

Anyway, I wish to all members of EU-amsat a good new season and many
QSOs through the "birds".

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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79. AO-7 / Mode-A

Yahoo group: eu-amsat
Date: 2004-09-20 19:24:05 UTC
From: Makis
Topic: 79 Message: 79

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Hello OMs,

just I wondering, why the AO-7 during the summer is active in the majority of orbits on Mode-A and the rest seasons is active mainly on Mode-B or substitutionally between Mode-A & Mode-B.

Any explanation?

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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80. Re: [eu-amsat] AO-7 / Mode-A

Yahoo group: eu-amsat
Date: 2004-09-20 21:45:38 UTC
From: SV1BSX
Topic: 79 Message: 80

...sorry about "ADVERTISEMENT" !

The "keyboards's devil" !

73 !

----- Original Message -----
From: "Makis" <sv1bsx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, September 20, 2004 10:24 PM
Subject: [eu-amsat] AO-7 / Mode-A

>
>
> ADVERTISEMENT
>
>
> Hello OMs,
>
> just I wondering, why the AO-7 during the summer is active in the
> majority of orbits on Mode-A and the rest seasons is active mainly on
> Mode-B or substitutionally between Mode-A & Mode-B.
>
> Any explanation?
>
> 73, Mak SV1BSX
>
>
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81. FO-29 pass

Yahoo group: eu-amsat
Date: 2004-09-23 20:36:56 UTC
From: SV1BSX
Topic: 81 Message: 81

Hi OMs

few minutes ago, FO-29 was in good pass (orbit #40.017) for my location...
well, I had a long-long time to hear this bird too Loud & Clear !

The interesting point is that, the satellite was in eclipse from AOS for me
(over
Saudi Arabia) till Russia, close to LOS.... But always my return-downlink
signal was
excellent. That probably means, the battery is in good shape !
For the history, I'm using 25 Watts and 4 El Yagi on VHF & 6 El Yagi on
UHF.
Nothing special . (The mode is ..always CW).

I heard also a "G3O...." station, which answered to my CQ (CW) ,
but was not received the full callsign.
(Sorry my friend, may be CU agn in some future pass of FO-29).

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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82. FO-29 vs FM-birds

Yahoo group: eu-amsat
Date: 2004-10-01 11:40:15 UTC
From: SV1BSX
Topic: 82 Message: 82

Hi OMs,

as I said few days ago, I'm watching the last period the FO-29.
Almost every morning I'm listening in the DownLink and if the pass
is good for my location, I will call CQ (on CW).

Well I'm surprised with that, but NOBODY IS THERE !
The "bird" is always lonely and I wondering why that.
The FO-29 the last month was in very good shape, the
Downlink signal is good enough and I hear it with
a simple antenna system.

My surprise was bigger during the last 2-3 days, when I monitored
the ISS FM-voice repeater. The traffic is great, like a "pile up"
on HF ! And I wondering, why the ISS has traffic and the FO-29
not !

It's only my personal opinion but, I think the ISS FM-repeater
(& AO-51) it is not the better way for a satelliter. Only two stations
have the opportunity for a QSO under Contest's condition (59-QRA-73)
in contrast with FO-29 and other satellites with linear transponders,
which allows several QSOs simultaneously without problem.

Keep in mind, these mornings I'm not in my QTH which I have
the appropriate antenna with Elevator etc. I'm in alternative location
(2nd QTH) and I use a 4 El. Yagi for VHF and 6 El for UHF without
Elevation !

It's funny but, easily I've access into FO-29 and almost NEVER in
the AO-51... the ISS depend on the orbit but I tried 3-4 times to
speak with that and the traffic was incredible. So, I'm not sure
if the ISS is easy or difficult compared with FO-29.

But I'm 100% sure, FO-29 is always accessible with my simple
antenna.... always my Downlink-return signal comes to my ears, easily,
just by using 5 Watts (QRP !) for UpLink.

Really I can not explain why they working the FM-birds, with limitations,
and not the FO-29 which has additional capabilities, like
bandwidth, several modes, easier access, multi QSOs in the same time,etc.

I wondering... is it a new kind of "masochism" that ?

If you have a different explanation, let me know.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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83. RE: [eu-amsat] FO-29 vs FM-birds

Yahoo group: eu-amsat
Date: 2004-10-03 20:13:24 UTC
From: William Leijenaar
Topic: 82 Message: 83

It's very easy, for FM sats you only need a simple portabe or FM set that almost everyone has.
For FO-29 you need SSB transceivers, and also one that can do full-duplex, with doppler correction etc etc... just to difficult for most satellite (?) hams...

I put a question mark because I think the endless calling FM satellite hams I see as none-satellite hams. They are just dx-ers, and they don't care about ham rules or technology, they only count in qsl-cards...

Its the same endless conversation I have with local HF hams. They tell me satellite contacts are none real contacts. To easy they say. In my opinion HF is much more easy than satellite. They all have rigs ready bought, even wire-antennas bought, and have even no idea what is going on inside the radio. The only thing they count is qsl-cards... not technology...

Unfortunatly the younger generation is a very small group. Components getting very expensive, or they are not available (the old style transistors..), or you need special equipment for newer (SMD) components to do your first radio experiments...
Buying a fo-29 station is not easy for these few beginners, so what is left are the "old" group that has worked fo-29 so many times that they are not interrested any more in this satellite.

I think this trend will go on. I would better see a information broadcast satellite, with 1200 PSK downlink, or the even in CW, or the old RTTY. The information must be from all clubs in the world, with contest information, awards etc etc... This makes the whole ham community interrested, and they will do their best to get an ssb rx, or decoder :o) And also listeners can be made interrested, and finally maybe be satellite-ham... And thats what we need, new fresh minded satellite hams...

73 de PE1RAH, William

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: "EU-Amsat" <eu-amsat@yahoogroups.com>
>Subject: [eu-amsat] FO-29 vs FM-birds
>Date: Fri, 1 Oct 2004 14:40:15 +0300
>
>
>Hi OMs,
>
> as I said few days ago, I'm watching the last period the FO-29.
>Almost every morning I'm listening in the DownLink and if the pass

>is good for my location, I will call CQ (on CW).
>
> Well I'm surprised with that, but NOBODY IS THERE !
> The "bird" is always lonely and I wondering why that.
>The FO-29 the last month was in very good shape, the
>Downlink signal is good enough and I hear it with
>a simple antenna system.
>
>
> My surprise was bigger during the last 2-3 days, when I monitored
>the ISS FM-voice repeater. The traffic is great, like a "pile up"
>on HF ! And I wondering, why the ISS has traffic and the FO-29
> not !
>
> It's only my personal opinion but, I think the ISS FM-repeater
>(& AO-51) it is not the better way for a satelliter. Only two stations
>have the opportunity for a QSO under Contest's condition (59-QRA-73)
>in contrast with FO-29 and other satellites with linear transponders,
>which allows several QSOs simultaneously without problem.
>
>Keep in mind, these mornings I'm not in my QTH which I have
>the appropriate antenna with Elevator etc. I'm in alternative location
>(2nd QTH) and I use a 4 El. Yagi for VHF and 6 El for UHF without
>Elevation !
>
> It's funny but, easily I've access into FO-29 and almost NEVER in
>the AO-51... the ISS depend on the orbit but I tried 3-4 times to
>speak with that and the traffic was incredible. So, I'm not sure
>if the ISS is easy or difficult compared with FO-29.
>
> But I'm 100% sure, FO-29 is always accessible with my simple
>antenna.... always my Downlink-return signal comes to my ears, easily,
> just by using 5 Watts (QRP !) for UpLink.
>
>
> Really I can not explain why they working the FM-birds, with
>limitations,
> and not the FO-29 which has additional capabilities, like
>bandwidth, several modes, easier access, multi QSOs in the same time,etc.
>
>
> I wondering... is it a new kind of "masochism" that ?
>
> If you have a different explanation, let me know.
>
>73, Mak SV1BSX
>
>
>sv1bsx@...
>http://www.qsl.net/sv1bsx

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84. Re: AO-7 / Mode-A

Yahoo group: eu-amsat
Date: 2004-10-06 15:00:33 UTC
From: Allan Copland
Topic: 79 Message: 84

Hi Mak,

You said..
> just I wondering, why the AO-7 during the summer is active in the
> majority of orbits on Mode-A and the rest seasons is active mainly
on
> Mode-B or substitutionally between Mode-A & Mode-B.
> Any explanation?
>
> 73, Mak SV1BSX

Well, your seasons are not the same as the satellite's 'seasons' but
here is one possible explanation for the effect.

The mode switching could be thermal, caused by varying internal
temperatures (caused by varying degrees of solar heating), in the
mode switching electronics.

A-O-7's electronics are way past their 'sell by' date and have
suffered massive doses of cosmic radiation, so its is hardly
surprising that they are flaky.

If the bird is still sending telemetry with any decent frames (frames
ending in 650 or 651) you could try decoding the internal
temperatures.

My best guess, and it is only a guess, is that the effect is likely
due to cyclic thermal variations. Only the telemetry (if you can
decode any good frames) can tell.

Kind Regards,

Allan Copland
GM1SXX

85. GasFet

Yahoo group: eu-amsat
Date: 2004-10-21 15:05:58 UTC
From: Makis
Topic: 85 Message: 85

Hello to group,

has anyone experience with Homebrew LN 435 MHZ antenna preamp
with MGF1302, FHX35 or similar GasFets ?

I'm looking for any available market place in Europe to buy 3-4
GasFet pieces.

Thanks in advance

73, Mak SV1BSX

86. Re: [eu-amsat] GasFet

Yahoo group: eu-amsat
Date: 2004-10-21 16:03:28 UTC
From: Jean-Jacques DE REY
Topic: 85 Message: 86
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Makis,

I recently purchased at very reasonable QSJ a couple of Agilent HEMT ATF10136 devices on E-bay... I can give you the contact if I find back details (the OM probably has more).

See specs attached in pdf format. This is a very good device (DB6NT uses same in his products ...)

No time yet to build the preamplifier ...

Best 73s and CU on SAT !

Jean-Jacques ON7EQ
----- Original Message -----
From: Makis
To: eu-amsat@yahoogroups.com
Sent: Thursday, October 21, 2004 5:05 PM
Subject: [eu-amsat] GasFet

Hello to group,

has anyone experience with Homebrew LN 435 MHZ antenna preamp
with MGF1302, FHX35 or similar GasFets ?

I'm looking for any available market place in Europe to buy 3-4
GasFet pieces.

Thanks in advance

73, Mak SV1BSX

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87. Re: [eu-amsat] GasFet

Yahoo group: eu-amsat
Date: 2004-10-22 08:52:22 UTC
From: SV1BSX
Topic: 85 Message: 87

..OK J-J, tks for answer !

Actually you have right, the ATF10136 seems much better against to the other GasFet s.
The datasheet gives the best NF around 20-30 mA and that means a much better Dynamic
range.

Well, about your LNA construction, don't delay it !

I'm surprised with that... the difference "with" and "without" LNA is spectacular .
For example, the FO-29 receiving now is too Loud and too Clear, as never before !

Unfortunately, the usual mistake during the final setup with change-over coaxial
relays (PTT without changing on relays !), destroyed my GasFet.

The GaFet LowNoiseAntenna pre-amp is not extremely difficult constructions.
It is more a mechanic than an electronic construction, there is not need for special PCB etc.

Personally I followed the JH0WJF design. You can find it here:
http://bun.dokidoki.ne.jp/earth-moon-earth/photo/jh0wjf/preamp/index.html

The diagram it's on DL5LF's site:
http://www.qsl.net/dl5lf/432_preamp.html

Another simple circuit for the "old" MGF1302:
http://www.df9cy.de/df9cy_432lna.html

73 & CU on Sats!

Mak SV1BSX

==========

Hello Makis,

I recently purchased at very reasonable QSJ a couple of Agilent HEMT ATF10136 devices on E-bay... I can give you the contact if I find back details (the OM probably has more).

See specs attached in pdf format. This is a very good device (DB6NT uses same in his products ...)

No time yet to build the preamplifier ...

Best 73s and CU on SAT !

Jean-Jacques ON7EQ
----- Original Message -----
From: Makis
To: eu-amsat@yahoogroups.com
Sent: Thursday, October 21, 2004 5:05 PM
Subject: [eu-amsat] GasFet

Hello to group,

has anyone experience with Homebrew LN 435 MHZ antenna preamp
with MGF1302, FHX35 or similar GasFets ?

I'm looking for any available market place in Europe to buy 3-4
GasFet pieces.

Thanks in advance

73, Mak SV1BSX

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88. Re: [eu-amsat] GasFet

Yahoo group: eu-amsat
Date: 2004-10-22 09:39:07 UTC
From: Jean-Jacques DE REY
Topic: 85 Message: 88

Thanks for the nice links Mak and info ! This stimulates my appetite to warm up the soldering iron ...

Watch out with these ATF devices, they give soo much gain at low frequencies that gain must be artifically reduced to keep them stable. Anyhow, the better the input circuit (highest Q factor), the better you will match the noise floor of device, what happens thereafter is off less importance.

Some other links which might interest you ...

http://hjem.get2net.dk/ole_nykjaer/oz2oe/atf54143/54143.html

Nice mechanic construction (idea?) : http://www.hb9bbd.ch/photo.php3?photo_id=324

Next to making QSO's over the birds, have been busy recently with reception of WX-Sats (the NOAA's).

It is fascinating what you can get with very simple antenna and receiver ...!

More info (and online weather maps) on my site http://wxsat.shacknet.nu

73s and see you on FO29, still a great bird !

Jean-Jacques ON7EQ

----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Friday, October 22, 2004 10:52 AM
Subject: Re: [eu-amsat] GasFet

..OK J-J, tks for answer !

Actually you have right, the ATF10136 seems much better against to the other GasFet s.
The datasheet gives the best NF around 20-30 mA and that means a much better Dynamic
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http://bun.dokidoki.ne.jp/earth-moon-earth/photo/jh0wjf/preamp/index.html

The diagram it's on DL5LF's site:
http://www.qsl.net/dl5lf/432_preamp.html

Another simple circuit for the "old" MGF1302:
http://www.df9cy.de/df9cy_432lna.html

73 & CU on Sats!

Mak SV1BSX

==========

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See specs attached in pdf format. This is a very good device (DB6NT uses same in his products ...)

No time yet to build the preamplifier ...

Best 73s and CU on SAT !

Jean-Jacques ON7EQ
----- Original Message -----
From: Makis
To: eu-amsat@yahoogroups.com
Sent: Thursday, October 21, 2004 5:05 PM
Subject: [eu-amsat] GasFet

Hello to group,

has anyone experience with Homebrew LN 435 MHZ antenna preamp with MGF1302, FHX35 or similar GasFets ?

I'm looking for any available market place in Europe to buy 3-4 GasFet pieces.

Thanks in advance

73, Mak SV1BSX

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89. Re: [eu-amsat] GasFet "Tips"

Yahoo group: eu-amsat
Date: 2004-10-23 12:49:24 UTC
From: SV1BSX
Topic: 89 Message: 89

>Watch out with these ATF devices, they give soo much gain
<at low frequencies that gain must be artifically reduced to keep
>them stable. Anyhow, the better the input circuit (highest Q factor),
>the better you will match the noise floor of device, what happens
>thereafter is off less importance.

...Yes, that is 100% correct.

The main problem with GasFet is the self-oscillation but, there are some
"Tips"
in order to prevent that.
Unfortunately, there is not any comments about this very important point,
into Web-pages which describe these constructions.

From my experience, the "tips" are the following:

1) small Ferrite Bead through Drain's leg. This FB is not the usual FB801,
but
something smaller. It helps to prevent effectively the unwanted
self-oscillations.

2) the "Drain" load resistor must be a "pure carbon" resistor. (metal film
is prohibite!)

3) 1st operation:
the pre-amp should be supplied from a power supply with "Current-Limiter"
for maximum current-flow upto 15 mA.
Thus, if you have any unwanted self-oscillation, the circuit is protected
against
any damage from high-currents.

4) Adjustable resistor in the "Source" of GasFet. (220Ohm preset pot).
(Set the preset for Maximum resistor before supplied the GasFet !)

The current of GasFet must be controlled smoothly & easily from 2 - 15mA
with
that preset.
*If NO and the current is stable, you have "self-oscillation" !
*If YES adjust the current, for example up to 10mA and measure the resistor
of preset.
(10 mA for best NF of FHX35 .... for ATF10136 is 25 mA as PDF describes)

Then, replace the preset with a usual carbon resistor, which has the same
value
of preset after the adjustment.

5)Voltage stabiliser:
I don't agree with JH0WJF's method for GasFet supplying (7805 and 2 serial diodes in order to reduce the output, from 5 V to about 3.7 V).

I destroyed a GasFet with this method during the current's measurement. Actually, the circuit with 2 diodes needs enough current-flow, in order to reduce
the voltage. On the other hand, it is not stable the VF (voltage forward) across a diode,
that depend on the current through diode and generally that is between 0.5 - 0.7 Volts
(for each diode.)
If the current is too LOW, the 2 diodes reduce the voltage only 1V (2x0.5). Thus, the GasFet supplied with 5 V - 1V = 4 Volts, and actually this value is equal
to highest operating Voltage of FXH35LG !

I can say that: GasFet is very-very sensitive with Voltage Supply.
Any mistake is disaster for these.

On the other hand, I agree with DL9YC's supply-method. He uses just a Zener diode...
quite simple and stable voltage supplying. By using 3,3 V or 3,6 V/1W Zener, you have
accurate Voltage supplying for 20 mA Load, easily.

Finally, do not supply the GasFet with maximum operating voltage.
I believe the 3-3,3 V supplying is enough, because the Gain on 435 MHZ is too high and there is not necessity for a higher Voltage value, which is dangerous for these sensitive components.

Have a nice weekend.

Mak, SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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90. ON7EQ on AO-7

Yahoo group: eu-amsat
Date: 2004-11-07 18:19:27 UTC
From: SV1BSX
Topic: 90 Message: 90

Hi J-J (ON7EQ),

today afternoon I was listening on AO-7 and I heard you (16.50 UTC)
once again.
Well, your signal is always excellent, you are the only one station
without distortion on AO-7, extremely stable signal, no fading.

What is your antenna system and your Output Power? especially for UHF
UpLink.

I think, you are the "reference-point" for UpLink-setup for this bird.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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91. Re: [eu-amsat] ON7EQ on AO-7

Yahoo group: eu-amsat
Date: 2004-11-08 05:44:15 UTC
From: Jean-Jacques DE REY
Topic: 90 Message: 91

Hi Mak,

thanks for compliment, you should have called me HI !

For AO-7 it is very important to adjust your power level (on the IC-910H this is very easy, I modified the software settings so I can go down to 1 watt). As soon as you use too much power, the signal gets distorted (you have strong FM 'warbling' because solar panels cannot handle the output). So the maximal settings is about 3db before the 'warbling'. I hear a lot of stations going beyond this point and it is a pity ....

Sometimes 1 - 10 watt out is OK (I would say in 70% of time), sometimes I have to use full power 80w (in general at end of pass).

Uplink antenna's are in general 4x 17 ele horizontal polarisation tonna's (about 21db gain), or when 1 watt on this array is even too much then I switch to 10 watts on the 10 ele yagi (which I also use for low orbit sats like ISS etc).

You can see picture of my setup on www.on7eq.com

Best 73s and CU on sat !

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Sunday, November 07, 2004 7:19 PM
Subject: [eu-amsat] ON7EQ on AO-7

Hi J-J (ON7EQ),

today afternoon I was listening on AO-7 and I heard you (16.50 UTC)
once again.
Well, your signal is always excellent, you are the only one station
without distortion on AO-7, extremely stable signal, no fading.

What is your antenna system and your Output Power? especially for UHF UpLink.

I think, you are the "reference-point" for UpLink-setup for this bird.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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Yahoo! Groups Links

92. analogue sats.

Yahoo group: eu-amsat
Date: 2004-12-09 15:26:43 UTC
From: John Alan Hackett.
Topic: 92 Message: 92

Hello Folks,

Re: analogue transponders.

Here's the latest VUsat (Hamsat information I have.

www.amsat.org.uk/iaru/finished_detail.asp?serial=30

73 John <la2qaa@...>

93. Wishes

Yahoo group: eu-amsat
Date: 2004-12-24 23:32:47 UTC
From: SV1BSX
Topic: 93 Message: 93

Merry Xmas & Happy New Year

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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94. A Merry Satellite Holiday

Yahoo group: eu-amsat
Date: 2004-12-25 05:48:04 UTC
From: Emily Clarke
Topic: 94 Message: 94

Happy Holidays to Everyone in Europe.

Although us on the west coast don't get to QSO with you all on the LEOs, I wish you the best for this end of the year, and hope to QSO with you soon on P3E.

73,

Emily

W0EEC - CM87tm
AMSAT Area Coordinator - San Francisco Bay Area
http://www.projectoscar.net http://www.PlanetEmily.com

Join AMSAT! http://www.amsat.org

95. Re: [eu-amsat] A Merry Satellite Holiday

Yahoo group: eu-amsat
Date: 2004-12-25 10:01:04 UTC
From: Gennadi Klevtsov
Topic: 94 Message: 95

With a Best Wishes and Season Greetings
from Estonia!

73! Gennadi-ES1RF
QRA-Loc: KO29IJ
E-Mail: genek@...
WWW: http://www.hot.ee/genek

----- Original Message -----
From: "Emily Clarke" <w0eec@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, December 25, 2004 7:48 AM
Subject: [eu-amsat] A Merry Satellite Holiday

> Happy Holidays to Everyone in Europe.
>
> Although us on the west coast don't get to QSO with you all on the
> LEOs, I
> wish you the best for this end of the year, and hope to QSO with you
> soon
> on P3E.
>
> 73,
>
> Emily
>
> ---------------------------------
> W0EEC - CM87tm
> AMSAT Area Coordinator - San Francisco Bay Area
> http://www.projectoscar.net http://www.PlanetEmily.com
>
> Join AMSAT! http://www.amsat.org
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>

96. AO-51 Digi-mode Query

Yahoo group: eu-amsat
Date: 2005-01-03 17:01:50 UTC
From: SV1BSX
Topic: 96 Message: 96

Hello to Group & Happy New Yaer,

for first time, the last day of 2004 I tried to listen the AO-51
on Packet mode (9600).
Well, my effort was successful about receiving and I copied
about 4 min. continuously the DownLink of AO-51.
In practice it was very easy.

Because I have no experience in something like that, I wondering
how is possible to "connect" into AO-51 BBS...
OK, the RX-DATA from Downlink-UHF-RX is connected into TNC...
no problem here.

But how the UpLink RIG is connected ?
The TX-DATA (+ PTT) should be connected to the Uplink Transmitter
by using the same TNC?

I think, I'm not sure for that, if the DCD led on TNC is "on",
the TNC can not transmit.

Actually, the DownLink of AO-51 is always open, always it has a
carrier, so the DCD led was always "on" during my reception.

Has anyone on the Group any experience with Satellite Digi-mode?

Is it possible to connect two separate RIGs for UpLink-DownLinks with
the same TNC or Am I wrong?

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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97. OD on AO-7

Yahoo group: eu-amsat
Date: 2005-01-10 18:22:19 UTC
From: SV1BSX
Topic: 97 Message: 97

Hi to all,

today I worked the OD5RI via AO-7/Mode-B SSB (orbit #37991).
It's a "new-one" for me on SATs and I believe that it's a rare prefix for
many
Europeans, so just "watch" the SATs if you want him.
He is active from time to time the last period.

I had heard him also on AO-51 during the first "QRP exper. day", but our
QSO was
not completed. He could not hear my last letter of my suffix
(I had said "XXXX-rrrrrrr-aaaaa-yyyyyy" about.... 20 times without success
!)
while I heard my return-signal "Loud & Clear" on the downlink... anyway!

Also today afternoon the same story with my last letter, but finally he
"caught" me !
Alleluia !

So, just keep in mind that... the "good ear" is not the advantage of him !

73, Mak SV1BSX

pS: any reliable QSL-info for direct?

sv1bsx@...
http://www.qsl.net/sv1bsx

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98. Re: [eu-amsat] OD on AO-7

Yahoo group: eu-amsat
Date: 2005-01-10 21:02:02 UTC
From: Jean-Jacques DE REY
Topic: 97 Message: 98

Congrats Mak, nice DX !

I worked him on AO-27 on 08/1, so he seems quite active on all sats !

Best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS serv:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Monday, January 10, 2005 7:22 PM
Subject: [eu-amsat] OD on AO-7

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while I heard my return-signal "Loud & Clear" on the downlink... anyway!

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pS: any reliable QSL-info for direct?

sv1bsx@...
http://www.qsl.net/sv1bsx

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Yahoo! Groups Links

99. Re: [eu-amsat] OD on AO-7

Yahoo group: eu-amsat
Date: 2005-01-10 21:26:22 UTC
From: Benny Kaulfuss
Topic: 97 Message: 99

Hy

i have also worked OD5RI ! and recevice his QSL-Card by Airmail !

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Monday, January 10, 2005 7:22 PM
Subject: [eu-amsat] OD on AO-7

>
> Hi to all,
>
> today I worked the OD5RI via AO-7/Mode-B SSB (orbit #37991).
> It's a "new-one" for me on SATs and I believe that it's a rare prefix
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> Europeans, so just "watch" the SATs if you want him.
> He is active from time to time the last period.
>
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> !)
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>
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>
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!
>
>
> 73, Mak SV1BSX
>
> pS: any reliable QSL-info for direct?
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
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> Yahoo! Groups Links
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100. ISS's QSL cards

Yahoo group: eu-amsat
Date: 2005-01-12 20:19:21 UTC
From: SV1BSX
Topic: 100 Message: 100

Hi again to all,

well, I wondering about the QSL cards for QSOs via ISS on voice or packet.

Especially if we have a QSO on Packet via ISS, is it correct
to write 59 ? Actually the receiving is not direct but through
a spacecraft... also in Voice, I think it's unreal if the "A" station
gives to "B" station a signal report, if both using the ISS as
repeater (just my opinion).

I would like to read you comments about.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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101. AO-7

Yahoo group: eu-amsat
Date: 2005-02-13 23:43:23 UTC
From: SV1BSX
Topic: 101 Message: 101

Hi to Group,

the last 3 days during few passes of AO-7, I did not hear any traffic on
Mode-B (& A)...
I tried also some transmittion in the Uplink without any success, nothing
heard it in the Downlink... is it the Satellite still active or my system
has problem? my last QSO was
2 weeks ago.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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102. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2005-02-09 05:35:41 UTC
From: Jean-Jacques DE REY
Topic: 101 Message: 102

Hello Mak,

same for me this weekend, nothing heard on A and B ! No info so far on internet found ...

Best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS server:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Monday, February 14, 2005 12:43 AM
Subject: [eu-amsat] AO-7

Hi to Group,

the last 3 days during few passes of AO-7, I did not hear any traffic on
Mode-B (& A)...
I tried also some transmittion in the Uplink without any success, nothing
heard it in the Downlink... is it the Satellite still active or my system
has problem? my last QSO was
2 weeks ago.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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Yahoo! Groups Links

103. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2005-02-14 19:04:58 UTC
From: SV1BSX
Topic: 101 Message: 103

Hi J-J,

tks for answer... actually today afternoon, during #38430 orbit of AO-7
I heard my return signal on Mode-B, so the bird is OK.
But I noticed that, the transponder activated over the Northern part of
Europe with some
delay, because the satellite was out of Eclipse much earlier.
No traffic recorded.

73, Mak SV1BSX

----- Original Message -----
From: "Jean-Jacques DE REY" <j.derey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, February 09, 2005 7:35 AM
Subject: Re: [eu-amsat] AO-7

Hello Mak,

same for me this weekend, nothing heard on A and B ! No info so far on
internet found ...

Best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS server:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Monday, February 14, 2005 12:43 AM
Subject: [eu-amsat] AO-7

Hi to Group,

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I tried also some transmittion in the Uplink without any success, nothing heard it in the Downlink... is it the Satellite still active or my system has problem? my last QSO was
2 weeks ago.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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Yahoo! Groups Links

104. GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-24 10:50:59 UTC
From: Allan Copland
Topic: 104 Message: 104

Hi David.

I'm not too far away here in Paisley. The satellite scene is somewhat quiet at the moment but some interesting things are on the horizon.

One is VUSAT(AKA hamsat) an Indian built linear transponder satellite due for launch sometime soon.

Kind Regards,
Al.
GM1SXX

105. Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-24 12:31:33 UTC
From: David Henry
Topic: 104 Message: 105

Hi Al, and the rest of the group,

I'm just getting back into ham radio after a lengthy period of inactivity, and am really fascinated by the idea of working the satellites. So, far, I have been listening to the AO-51 passes on a Yupiteru MVT-7100 handheld receiver (just using the set-top whip). I'm planning to build a handheld yagi to boost the downlink receive capability. I do have an Alinco DJ-G5 (which needs a new battery-pack), so I would like to have a go at the FM sats with that in time.

I have applied to join AMSAT-UK, and in the meantime am just learning what I can about satellite operation and listening to the passes while pointing telescopic whips at weird angles!

I have installed the latest version of PocketSat Plus on my Palm PDA, and that seems to work very well indeed.

BTW, in case anybody knows me under my other callsign - I was originally GM7VZV when I was first licensed as a Class B. Then, on passing the Morse Test I was allocated MM0AOF. I never did like that call much, (it was very often mis-copied on voice) so, when the recent changes in licensing came through I re-activated GM7VZV as my main callsign.

73 de David (GM7VZV)
Aberdeen, Scotland

--- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@r...>
wrote:
>
> Hi David.
>
> I'm not too far away here in Paisley. The satellite scene is
somewhat
> quiet at the moment but some interesting things are on the horizon.
>
> One is VUSAT(AKA hamsat) an Indian built linear transponder
satellite
> due for launch sometime soon.
>
> Kind Regards,
> Al.
> GM1SXX

106. Re: [eu-amsat] Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-24 16:30:04 UTC
From: SV1BSX
Topic: 104 Message: 106

Hi David and welcome to the group,

about the handheld Yagi and if you looking for a homebrew construction, I
suggest you the XE1MEX's antenna-project:

http://xe1mex.gq.nu/antenas/yagi.html

I've tested with handheld V-U and works pretty fine. The improving is far
away
from any whip, vertical etc.

About the FM-birds, keep in mind also the SO-50. I had several QSOs the
last
3 months through this bird, it's in very good shape. (needs 67Hz subtone).

AO-27 is workable also, but may be you have limitation from Scotland,
because
this bird is "ON" till the north part of Europe.

Hope to CU on Sats.

73, Mak SV1BSX
KM17UW - Athens

----- Original Message -----
From: "David Henry" <david@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, February 24, 2005 2:31 PM
Subject: [eu-amsat] Re: GM7VZV

>
>
> Hi Al, and the rest of the group,
>
> I'm just getting back into ham radio after a lengthy period of
> inactivity, and am really fascinated by the idea of working the
> satellites. So, far, I have been listening to the AO-51 passes on a
> Yupiteru MVT-7100 handheld receiver (just using the set-top whip).
> I'm planning to build a handheld yagi to boost the downlink receive
> capability. I do have an Alinco DJ-G5 (which needs a new battery-
> pack), so I would like to have a go at the FM sats with that in time.
>
> I have applied to join AMSAT-UK, and in the meantime am just learning
> what I can about satellite operation and listening to the passes
> while pointing telescopic whips at weird angles!
>
> I have installed the latest version of PocketSat Plus on my Palm PDA,

> and that seems to work very well indeed.
>
> BTW, in case anybody knows me under my other callsign - I was
> originally GM7VZV when I was first licensed as a Class B. Then, on
> passing the Morse Test I was allocated MM0AOF. I never did like that
> call much, (it was very often mis-copied on voice) so, when the
> recent changes in licensing came through I re-activated GM7VZV as my
> main callsign.
>
> 73 de David (GM7VZV)
> Aberdeen, Scotland
>
> --- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@r...>
> wrote:
> >
> > Hi David.
> >
> > I'm not too far away here in Paisley. The satellite scene is
> somewhat
> > quiet at the moment but some interesting things are on the horizon.
> >
> > One is VUSAT(AKA hamsat) an Indian built linear transponder
> satellite
> > due for launch sometime soon.
> >
> > Kind Regards,
> > Al.
> > GM1SXX
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> Yahoo! Groups Links
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107. Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-25 09:01:25 UTC
From: Allan Copland
Topic: 104 Message: 107

In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
> Hi David and welcome to the group,
>
> about the handheld Yagi and if you looking for a homebrew construction,...

Another simple and useful design for the 2M band is at http://home.att.net/~jleggio/projects/rdf/tape_bm.htm

This is based on plastic electrical conduit and material from a tape measure. It's ideal for LEO's and will double for hill-topping while being capable of being rolled up and stored inside a larger piece of plastic tube. It uses a simple wire hairpin feed.

If you wish to 'roll your own' antennas, I can strongly recommend that you download a copy of YAGIMAX, a yagi modelling tool that is simple to use.

Regards,

Al.

108. Yagimax.

Yahoo group: eu-amsat
Date: 2005-02-25 09:09:39 UTC
From: Allan Copland
Topic: 108 Message: 108

Hi,

For budding antenna designers I'd suggest Yagimax.

You can find it in the SIMTEL archive at

http://www.simtel.net/product.php%5Bid%5D46509%5Bsekid%5D0%5BSiteID%5Dsimtel.net

Regards,
Al.
GM1SXX

109. Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-25 11:58:46 UTC
From: David Henry
Topic: 104 Message: 109

Hi Folks,

Thanks for the welcome and the suggestions for homebrewing handheld yagis. I think the Tape Measure Yagi is the best approach for me - portability and compactness will be important. I guess I will be making a Saturday trip to B&Q for antenna bits!

I did download YAGIMAX, but I can't figure how to run a DOS program on Windows XP.

73 de David (GM7VZV)

--- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@r...> wrote:
>
> In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
> > Hi David and welcome to the group,
> >
> > about the handheld Yagi and if you looking for a homebrew
> construction,...
>
> Another simple and useful design for the 2M band is at
> http://home.att.net/~jleggio/projects/rdf/tape_bm.htm
>
> This is based on plastic electrical conduit and material from a tape
> measure. It's ideal for LEO's and will double for hill-topping
while
> being capable of being rolled up and stored inside a larger piece of
> plastic tube. It uses a simple wire hairpin feed.
>
> If you wish to 'roll your own' antennas, I can strongly recommend
that
> you download a copy of YAGIMAX, a yagi modelling tool that is simple
> to use.
>
> Regards,
>
> Al.

110. Re: [eu-amsat] Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-26 09:34:23 UTC
From: SV1BSX
Topic: 104 Message: 110

>
> I did download YAGIMAX, but I can't figure how to run a DOS program
> on Windows XP.
>
> 73 de David (GM7VZV)

David,

the simplest way is:

Create a FOLDER with a name i.e. "Yagimax" into your hard disk C
(C:\Yagimax)

Put all the files of Yagimax-program into this directory.

Go inside this folder and looking for the YM311.exe
(I have the version 3.11, so the "exe" file is "YM311.exe"
In case which your program is a different version, probably the "exe" file
has similar name, like YM324.exe, if your version is 3.24).

"Click" to high-light this file.... after that, put the arrow of mouse over
the file... by using the mouse - with right-button of it always pressed,
"drag" the file out of folder, into your
desktop-surface.

Now, when the button of mouse relieved, a small window will appear into
your screen. Choose on it "Create Shortcut here".
Thus, a new-shortcut for Yagimax will create into your Desktop.

I'm running the Yagimax on XP-platform without problem... by "clicking"
the YM-shortcut, the XP opens a dummy-Dos window including the Yagimax
Dos program.

BTW, the Yagimax is a good program for Yagi's calculation, but it will be
supposed we know some basic principles in the antenna theory, so that we
give in the program correct parameters for calculation. Otherwise, the
result is.... rubbish!

I hope this Email was helpful to you.

Have a nice weekend

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
Virus Free

111. Re: GM7VZV

Yahoo group: eu-amsat
Date: 2005-02-26 11:49:38 UTC
From: David Henry
Topic: 104 Message: 111

Hi Mak,

Thanks for the helpful advice. I did as you said, and YAGIMAX is now
running fine on XP.

73, David (GM7VZV)

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
> >
> > I did download YAGIMAX, but I can't figure how to run a DOS
program
> > on Windows XP.
> >
> > 73 de David (GM7VZV)
>
> David,
>
> the simplest way is:
>
> Create a FOLDER with a name i.e. "Yagimax" into your hard disk C
> (C:\Yagimax)
>
> Put all the files of Yagimax-program into this directory.
>
> Go inside this folder and looking for the YM311.exe
> (I have the version 3.11, so the "exe" file is "YM311.exe"
> In case which your program is a different version, probably
the "exe" file
> has similar name, like YM324.exe, if your version is 3.24).
>
> "Click" to high-light this file.... after that, put the arrow of
mouse over
> the file... by using the mouse - with right-button of it always
pressed,
> "drag" the file out of folder, into your
> desktop-surface.
>
> Now, when the button of mouse relieved, a small window will appear
into
> your screen. Choose on it "Create Shortcut here".
> Thus, a new-shortcut for Yagimax will create into your Desktop.
>
> I'm running the Yagimax on XP-platform without problem...
by "clicking"
> the YM-shortcut, the XP opens a dummy-Dos window including the
Yagimax

> Dos program.
>
> BTW, the Yagimax is a good program for Yagi's calculation, but it
will be
> supposed we know some basic principles in the antenna theory, so
that we
> give in the program correct parameters for calculation. Otherwise,
the
> result is.... rubbish!
>
>
> I hope this Email was helpful to you.
>
> Have a nice weekend
>
> 73, Mak SV1BSX
>
>
> sv1bsx@y...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2002
> Virus Free

112. New member fm OD-land

Yahoo group: eu-amsat
Date: 2005-03-02 12:38:34 UTC
From: SV1BSX
Topic: 112 Message: 112

Hello all,
we have a new member from Lebanon, the call is OD5RI, name Riri .

Welcome to our company dear Riri.

For Europeans stations, your country and your Grid-Locator is always
interesting for QSOs through the Satellites.

73, Mak

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2002
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_____
Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

113. Re: New member fm OD-land

Yahoo group: eu-amsat
Date: 2005-03-02 13:59:03 UTC
From: riri
Topic: 112 Message: 113

Hi Mak
Thank you for inviting me to this nice group well my handle is Riri
i'm 45 years old my call sign is OD5RI my coutry is Lebanon my city
is Baabdat locate about 20 km east of the capital of Beirut at 785
meters above sea level and my grad locator is KM73UV.
Hope to hear all the fellows on the birds.
73's de Riri OD5RI

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
>
> Hello all,
> we have a new member from Lebanon, the call is OD5RI, name Riri .
>
> Welcome to our company dear Riri.
>
> For Europeans stations, your country and your Grid-Locator is
always
> interesting for QSOs through the Satellites.
>
>
> 73, Mak
>
> sv1bsx@y...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2002
> Virus Free
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> _____
> Do You Yahoo!?
> ÁðïêôÞóôå ôç äùñåÜí @... äéåýèõíóç óáò óôï http://www.otenet.gr

114. NICE GROUP EU-AMSAT

Yahoo group: eu-amsat
Date: 2005-03-02 14:01:23 UTC
From: riri
Topic: 114 Message: 114

Hi Mak
Thank you for inviting me to this nice group well my handle is Riri
i'm 45 years old my call sign is OD5RI my coutry is Lebanon my city
is Baabdat locate about 20 km east of the capital of Beirut at 785
meters above sea level and my grad locator is KM73UV.
Hope to hear all the fellows on the birds.
73's de Riri OD5RI

115. Re: [eu-amsat] Re: New member fm OD-land

Yahoo group: eu-amsat
Date: 2005-03-02 14:40:17 UTC
From: Gennadi Klevtsov
Topic: 112 Message: 115

Hello Riri,
glad to see you along the members of EU-Amsat group!

I've sent my QSL card direct to you on 17.01.2005 with SAE+.
Hope you've got that and I am very awaiting for your QSL card!!!

See you via satellites again!

73! Gennadi-ES1RF
QRA-Loc: KO29IJ
E-Mail: genek@...
WWW: http://www.hot.ee/genek
MSN: es1rf@...

----- Original Message -----
From: riri
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 02, 2005 3:59 PM
Subject: [eu-amsat] Re: New member fm OD-land

Hi Mak
Thank you for inviting me to this nice group well my handle is Riri
i'm 45 years old my call sign is OD5RI my coutry is Lebanon my city
is Baabdat locate about 20 km east of the capital of Beirut at 785
meters above sea level and my grad locator is KM73UV.
Hope to hear all the fellows on the birds.
73's de Riri OD5RI

116. Re: [eu-amsat] NICE GROUP EU-AMSAT

Yahoo group: eu-amsat
Date: 2005-03-02 14:59:41 UTC
From: Jean-Jacques DE REY
Topic: 114 Message: 116

Hello riri,

Welcome, we look forward to have contact with you !

On which SATS will U be QRV ?

Best 73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS server:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

----- Original Message -----
From: riri
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 02, 2005 3:01 PM
Subject: [eu-amsat] NICE GROUP EU-AMSAT

Hi Mak
Thank you for inviting me to this nice group well my handle is Riri
i'm 45 years old my call sign is OD5RI my coutry is Lebanon my city
is Baabdat locate about 20 km east of the capital of Beirut at 785
meters above sea level and my grad locator is KM73UV.
Hope to hear all the fellows on the birds.
73's de Riri OD5RI

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117. Re: NICE GROUP EU-AMSAT

Yahoo group: eu-amsat
Date: 2005-03-02 18:40:10 UTC
From: riri
Topic: 114 Message: 117

Hello Jean-Jacques,
Thank u for ur message i will be qrv on ao-27,hope to hear u
73 de riri od5ri

--- In eu-amsat@yahoogroups.com, "Jean-Jacques DE REY" <j.derey@v...>
wrote:
> Hello riri,
>
> Welcome, we look forward to have contact with you !
>
> On which SATS will U be QRV ?
>
> Best 73s
>
> Jean-Jacques DE REY - ON7EQ
> Tuinbouwstr 4A
> B-8020 Oostkamp
> BELGIUM
>
> Grid loc JO11OC
>
> Mail :
> Web :
> APRS server:
> FTP : j.derey@v...
> http://www.on7eq.com
> http://on7eq.homeip.net
> ftp://on7eq.homeip.net
>
> ----- Original Message -----
> From: riri
> To: eu-amsat@yahoogroups.com
> Sent: Wednesday, March 02, 2005 3:01 PM
> Subject: [eu-amsat] NICE GROUP EU-AMSAT
>
>
>
> Hi Mak
> Thank you for inviting me to this nice group well my handle is
Riri
> i'm 45 years old my call sign is OD5RI my coutry is Lebanon my
city
> is Baabdat locate about 20 km east of the capital of Beirut at
785
> meters above sea level and my grad locator is KM73UV.

> Hope to hear all the fellows on the birds.
> 73's de Riri OD5RI
>
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Service.

118. Re: New member fm OD-land

Yahoo group: eu-amsat
Date: 2005-03-02 18:30:49 UTC
From: riri
Topic: 112 Message: 118

Hello Gennadi,
Thank u for ur message and ur qsl i have send mine to u u will get it
soon hope to hear u soon via the birds.
73 de riri od5ri

--- In eu-amsat@yahoogroups.com, "Gennadi Klevtsov" <genek@h...>
wrote:
> Hello Riri,
> glad to see you along the members of EU-Amsat group!
>
> I've sent my QSL card direct to you on 17.01.2005 with SAE+.
> Hope you've got that and I am very awaiting for your QSL card!!!
>
> See you via satellites again!
>
> 73! Gennadi-ES1RF
> QRA-Loc: KO29IJ
> E-Mail: genek@h...
> WWW: http://www.hot.ee/genek
> MSN: es1rf@h...
>
> ----- Original Message -----
> From: riri
> To: eu-amsat@yahoogroups.com
> Sent: Wednesday, March 02, 2005 3:59 PM
> Subject: [eu-amsat] Re: New member fm OD-land
>
>
>
> Hi Mak
> Thank you for inviting me to this nice group well my handle is
Riri
> i'm 45 years old my call sign is OD5RI my coutry is Lebanon my
city
> is Baabdat locate about 20 km east of the capital of Beirut at
785
> meters above sea level and my grad locator is KM73UV.
> Hope to hear all the fellows on the birds.
> 73's de Riri OD5RI

119. HAMSAT.

Yahoo group: eu-amsat
Date: 2005-03-04 15:22:05 UTC
From: John Alan Hackett.
Topic: 119 Message: 119

Hi all,
VUSAT (Hamsat) will be launched in the first week of April.

73 John. <la2qaa@...>

120. Re: [eu-amsat] HAMSAT.

Yahoo group: eu-amsat
Date: 2005-03-04 18:57:17 UTC
From: Terry Bromley
Topic: 119 Message: 120

Tnx for that news John Alan Hacket, 73 Terence Bromley.
----- Original Message -----
From: John Alan Hackett.
To: eu-amsat@yahoogroups.com
Sent: Friday, March 04, 2005 3:22 PM
Subject: [eu-amsat] HAMSAT.

Hi all,
VUSAT (Hamsat) will be launched in the first week of April.

73 John. <la2qaa@...>

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121. VuSAT news.

Yahoo group: eu-amsat
Date: 2005-03-04 21:07:15 UTC
From: Allan Copland
Topic: 121 Message: 121

Hi Folks

I found this inreresting article re Vusat on 'The Hindu' newspaper website today.

http://www.nrilinks.com/frame.asp?url=http%3a%2f%2fwww.hindu.com%2f2005%2f02%2f02%2fstories%2f2005020200971300.htm

73 Al.
GM1SXX

122. Re: [eu-amsat] VuSAT news.

Yahoo group: eu-amsat
Date: 2005-03-04 23:48:27 UTC
From: SV1BSX
Topic: 121 Message: 122

...very interesting news, tks to John & Allan for the update!

BTW, I can't find more details about this Satellite.

I read for a height of about 600 Km above the earth in the online
newspaper,
so this seems like to a LEO and not to a HEO satellite.
I wondering also about the sat-mode (Mode-B ?) of it .

Thanks in advance

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, March 04, 2005 11:07 PM
Subject: [eu-amsat] VuSAT news.

>
>
> Hi Folks
>
> I found this inreresting article re Vusat on 'The Hindu' newspaper
> website today.
>
>
>
>
http://www.nrilinks.com/frame.asp?url=http%3a%2f%2fwww.hindu.com%2f2005%2f02
%2f02%2fstories%2f2005020200971300.htm
>
>
> 73 Al.
> GM1SXX
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Do You Yahoo!?
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123. Hamsat

Yahoo group: eu-amsat
Date: 2005-03-05 09:55:00 UTC
From: John Alan Hackett.
Topic: 123 Message: 123

Hello Mak,
I thought the news might wake a few people up hi,
that's why I deliberately kept it "short and sweet".

EU-Amsat being the first place I put the news.

You're correct in your assumption about the satellite, it's an LEO
with a mode-B linear transponder,
(you know how Al and I feel about Amsat and their FM satellites) It
was built by a friend of ours, William PE1REA. A very clever young
man. William first contacted us many years ago when he was still a
student with his "ideas". Al kept in daily contact while William was
travelling around the world.

You do know I suppose that Al is a lifetime member of Amsat India?.
(We were dissatisfied with Amsat-UK and Amsat-NA's "all eggs in one
basket" policy.) We would have preferred to see a fleet of RS-type
satellites aimed at newcomers rather than this FM junk. Al reckoned
that in the future it would be Amsat India that would be the place to
be. he was right.....but then he always is!.

I remember you had your doubts about EU Amsat Mak.....don't!, you'll
see.

73 John.

124. Preparation.

Yahoo group: eu-amsat
Date: 2005-03-05 11:31:28 UTC
From: John Alan Hackett.
Topic: 124 Message: 124

My Lords, Ladies, Gentlemen (and GM1SXX),
As you are all now
aware, VUsat (or Hamsat if you will) is "imminent".
Therefore, it's time to start "preparing".....so what say
we all start blowing the dust off the mode-B equipment and
revitalise the operating skills on AO-7.

As well all know, AO-7 has no batteries and relies solely on the sun
panels. This in effect means it will start FM'ing if you "hit" it
with too much power so please bear in mind that you should QRP if
you've just come off FO-29. An EIRP of 10 watts is adequate for CW
and 30 will "see you right" on SSB. When the satellite is near CA
(closest approach) you can half that.

Naturally we are all aware (or should! be) of the idiosyncracies of
the ionosphere so please don't shoot the messenger if your 10 watts
doesn't cut it on a particular day. The point?.....please don't use
any more power than is necessary for reliable communinications on
AO-7. If you follow J.J's advice you won't go far wrong.

73 John. <la2qaa@...>

125. PS. re: AO-7.

Yahoo group: eu-amsat
Date: 2005-03-05 11:44:46 UTC
From: John Alan Hackett.
Topic: 125 Message: 125

PS.

For those not aware of it, the following link will take you to an activity log for AO-7.

<http://www.emilyshouse.com/experthams/ao7/ao7log.php>

Here, if you browse around a bit you'll find "everything" you need to know about AO-7.

If you make a mistake while using the log don't worry about it, I usually edit things about once a week.

Remember, logging on can be useful to other operators, they can then see who's doing what, to whom, and when.

73 John. <la2qaa@...>

126. FB!.

Yahoo group: eu-amsat
Date: 2005-03-05 12:12:09 UTC
From: John Alan Hackett.
Topic: 126 Message: 126

DL2HWF.

Nice to see you on AO-7 again.

73 John. <la2qaa@...>

127. 2 watts on AO-7.

Yahoo group: eu-amsat
Date: 2005-03-05 12:16:26 UTC
From: John Alan Hackett.
Topic: 127 Message: 127

```
Hi all,
10 watts EIRP (CW) on AO-7 in the middle of the day.
No problem!, S7 in JO61CU (DL2HWF).

73 John. <la2qaa@...>
```

128. I have posted some pictures

Yahoo group: eu-amsat
Date: 2005-03-05 16:29:43 UTC
From: pe1rah
Topic: 128 Message: 128

Hi AMSATs,

Now the launch of the HAMSAT is comming closer and closer I decided to post some pictures of the satellite.

I posted also pictures of a 2m to 20m downconverter design for hams that have only HF ssb available in their shack.
The design is made as simple and cheap as possible. This has been done to help the hams in countries where "modern" electronics are not easy available or extreem expensive.

For those who want to use this converter they must not expect the best results at all. First of all it has to be put into a metal box to shield it from unwanted RF signals. The 2m input filter is made simple, without trimmers for tuning. The tuning has to be done by making the coil slightly larger or smaller. (this to avoid trimmers that might be expensive or exotic in some countries)

For those who can spend more: The receiption on 2m can be improved with a low noise rx amplifier in front. Easier ways (and in some situation even cheaper) are the use of a high gain YAGI antenna.
The construction of a yagi antenna can be made extreem simple and cheap. When I have some more time I will post some ideas of making cheap yagi antennas.

73 and lets hope HAMSAT will work well, and it can help in the next disaster wherever on earth...

PE1RAH, William
---

129. Re: I have posted some pictures

Yahoo group: eu-amsat
Date: 2005-03-06 21:42:51 UTC
From: Allan Copland
Topic: 128 Message: 129

--- In eu-amsat@yahoogroups.com, "pe1rah" <pe1rah@h...> wrote:
>
> Hi AMSATs,
>
> Now the launch of the HAMSAT is comming closer and closer I decided
> to post some pictures of the satellite.
>
Hi William.

I read that it will not be too long (April) until the launch of VuSAT/HAMSAT. Good news indeed and a big boost for the linear transponder satellite scene.

Hope you are well,

Kind Regards,

Allan Copland
GM1SXX

130. MM0XPG Dave

Yahoo group: eu-amsat
Date: 2005-03-09 09:27:24 UTC
From: Allan Copland
Topic: 130 Message: 130

Hi Dave,

Welcome to the AMSAT-EU group.

I see you live in Irvine, not far from me in Paisley.

We are hoping to have a new linear transponder bird in April...
VuSAT/HAMSAT, built in India and carrying a Dutch built transponder.
I believe the satellite is in Thermovac testing right now and due for
launch if all goes well in April this year.

If you are planning to attend this Magnum rally this year, I hope to
meet you there.

73 Al.
GM1SXX

131. Re: [eu-amsat] MM0XPG Dave

Yahoo group: eu-amsat
Date: 2005-03-09 20:27:45 UTC
From: Dave Hulin
Topic: 130 Message: 131

Hi Al

Many thanks for welcome to AMSAT - EU group. Yes I live in the Girdle Toll part of Irvine and work in Paisley for the Railway. I have been licensed since Nov 02 (MM3XPG to 2M0XPG and now as MM0XPG) although I have been interested in Amateur radio for the last 25 years.

Presently I am a HF only operator on all bands btw 20 - 10 mtrs and have a mini beam on a tennamast in my back garden. However I have become particularly fascinated by the satellites.
So far I have the ARRL Complete Satellite Handbook which my wife bought be after passing my advanced exam. I am reading through it and that is as far as I have got.

I am hoping to set up in time a Satellite station for analogue modes and am contemplating a FT736 ? or FT847 ? and trying to work out a reasonable antenna array to start. Like most Amateur related specialisations when you are new, it is difficult to know where to start and you can go off on a spending spree and leave your bank account in tatters, hihi.

I certainly would welcome any advice you may be able to offer in getting started on Satellites
as I have no experience and little knowledge in the subject.

I hope to be at the Magnum Rally in May so certainly look forward to meeting you there (or maybe before that if you happen to be down in Irvine.)

73 Dave
MM0XPG.

Allan Copland <acopland@...> wrote:

Hi Dave,

Welcome to the AMSAT-EU group.

I see you live in Irvine, not far from me in Paisley.

We are hoping to have a new linear transponder bird in April...
VuSAT/HAMSAT, built in India and carrying a Dutch built transponder.
I believe the satellite is in Thermovac testing right now and due for
launch if all goes well in April this year.

If you are planning to attend this Magnum rally this year, I hope to
meet you there.

73 Al.
GM1SXX

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132. Re: MM0XPG Dave

Yahoo group: eu-amsat
Date: 2005-03-10 15:18:32 UTC
From: Allan Copland
Topic: 130 Message: 132

--- In eu-amsat@yahoogroups.com, Dave Hulin <dh95c@y...> wrote:
> Hi Al
>
> Many thanks for welcome to AMSAT - EU group. Yes I live in the
Girdle Toll part of Irvine and work in Paisley for the Railway. I have
been licensed since Nov 02 (MM3XPG to 2M0XPG and now as MM0XPG)
although I have been interested in Amateur radio for the last 25 years.

Hi Dave, contact me off reflector please.

Thanks.

Al.
allan_gm1sxx@...

133. AO-7 was Re: [eu-amsat] Digest Number 48

Yahoo group: eu-amsat
Date: 2005-03-21 18:08:59 UTC
From: Emily Clarke
Topic: 133 Message: 133

I have been following this thread with interest, and thought I should pass along some information (and speculation) to the group. There is no definitive rules about AO-7's behavior but from what I have observed and have received unofficial confirmation, when AO-7 comes out of eclipse it reacts to it's bus voltage in a fairly systematic manner.

When it first comes out of eclipse (ie - it thinks it was just launched) and it appears the mode of choice is Mode B. Why? The answer is simple - it is the highest power mode (8 watts.) If the voltage is low or drops, it will switch to Mode C, which is a low power (2W) version of mode B. If the voltage remains low or drops, it will switch bands to Mode A (1W) and finally goes into Mode D (off). Most operators can't distinguish between modes B and C - though they will comment on "Satellite sounds noisy today" when in fact the link margins are lower. So most hams will say that it was in B or A, and never consider it may be in C.

What triggers these, and why do they seem somewhat random?

There is basically a lot of debate but I believe there are two factors. The first is QRM. The proliferation of illegal 2m transmitters particularly in the southern hemisphere that are poaching into the satellite sub band is causing AO-7 fits. Most of these are FM, wide band (compared to SSB/CW) and can really pull down the bus voltage. The second is timing - if AO-7 doesn't get out of eclipse cleanly things start to go wrong.

Here is a scenario that I have worked out - it mostly pertains to North America but I'm sure similar conditions exist in Europe. I've talked to two of the original members of the AO-7 team and although the member who did the mode switching logic is SK they seemed to believe this is pretty close.

AO-7 comes out of eclipse on the ascending orbit. In the winter, this happens as far north as 55 degrees N where there is little QRM. It comes on in Mode B while it is still "shadowed" by the earth's atmosphere, so the amount of current the solar panels generate is less than optimum. Therefore the first 30 seconds are critical and set the stage for the rest of the orbit. If someone is already hammering it with a CW signal, it's likely to drop down to Mode C, otherwise it stays in Mode B. As it gets into full (unobstructed) sunlight the amount of current increases and it becomes more immune to low voltage conditions. But the mode has been set and never goes from lower to higher power.

As we move from winter to spring, the point at which AO-7 comes out of eclipse moves farther south. This means that Mexico and Central America move deeper into the footprint when AO-7 is turned on. This also means QRM in the form of FM has more of a chance to come into the passband during the

critical 30 second period. If it does, the satellite will downgrade its mode. If it doesn't, we get lucky and it stays in mode B.

But even at this point AO-7 is not out of trouble. If too much QRM or too many hams hit it with high power it will start to FM, and if that continues for a long time it will switch modes. This I have witnessed first hand - a strong CW signal can cause it to drop to mode C. Some stations with inadequate receive antennas have commented that it "turned off" because they can't hear it, but in fact it dropped it's power or switched from C to A.

Over the entire orbit AO-7 is basically navigating through a mine field that can pull down the voltage at any time. This is why I believe we see more Mode A conditions as we move towards summer (at least here in the US). By the time AO-7 hits the northern hemisphere, it has passed over some pretty hostile conditions in the third world while it was turned on.

Unfortunately we don't really know much about AO-7's WOD but it would be interesting to have data on what mode AO-7 was in just before it went into eclipse (in the southern hemisphere) to see how well it did.

73,

Emily

At 01:41 PM 2/15/2005 +0000, eu-amsat@yahoogroups.com wrote:

>There is 1 message in this issue.
>
>Topics in this digest:
>
> 1. Re: AO-7
> From: "SV1BSX" <sv1bsx@...>
>
>
>_____
>_____
>
>Message: 1
> Date: Mon, 14 Feb 2005 21:04:58 +0200
> From: "SV1BSX" <sv1bsx@...>
>Subject: Re: AO-7
>
> Hi J-J,
>
> tks for answer... actually today afternoon, during #38430 orbit of AO-7
>I heard my return signal on Mode-B, so the bird is OK.
> But I noticed that, the transponder activated over the Northern part of
>Europe with some
>delay, because the satellite was out of Eclipse much earlier.
> No traffic recorded.
>
> 73, Mak SV1BSX

>
>----- Original Message -----
>From: "Jean-Jacques DE REY" <j.derey@...>
>To: <eu-amsat@yahoogroups.com>
>Sent: Wednesday, February 09, 2005 7:35 AM
>Subject: Re: [eu-amsat] AO-7
>
>
>Hello Mak,
>
>same for me this weekend, nothing heard on A and B ! No info so far on
>internet found ...
>
>Best 73s
>
>Jean-Jacques DE REY - ON7EQ
>Tuinbouwstr 4A
>B-8020 Oostkamp
>BELGIUM
>
>Grid loc JO11OC
>
> Mail :
> Web :
> APRS server:
> FTP : j.derey@...
> http://www.on7eq.com
> http://on7eq.homeip.net
> ftp://on7eq.homeip.net
>
> ----- Original Message -----
> From: SV1BSX
> To: EU-Amsat
> Sent: Monday, February 14, 2005 12:43 AM
> Subject: [eu-amsat] AO-7
>
>
>
> Hi to Group,
>
> the last 3 days during few passes of AO-7, I did not hear any traffic on
> Mode-B (& A)...
> I tried also some transmittion in the Uplink without any success, nothing
> heard it in the Downlink... is it the Satellite still active or my system
> has problem? my last QSO was
> 2 weeks ago.
>
>
> 73, Mak SV1BSX
>

> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
>

134. AO-7 was Re: [eu-amsat] Digest Number 48

Yahoo group: eu-amsat
Date: 2005-03-22 15:10:23 UTC
From: Allan Copland
Topic: 133 Message: 134

> Unfortunately we don't really know much about AO-7's WOD but it would be interesting to have data on what mode AO-7 was in just before it went into eclipse (in the southern hemisphere) to see how well it did.

Hi,

Unfortunately it is highly unlikely that you will get enough good data from this bird to make a meaningful 'diagnosis'.

John LA2QAA and myself took quite a bit of telemetry from A-O-7 on the christmas period before last. Much of the data transmitted was garbage and of the frames that made sense (ending in 650/651) the data actually looked pretty nominal. The temperatures and voltages seemed fine, which sort of surprised us somewhat. I had a detailed and interesting discussion with Jan W3GEY about the bird at that time. I also talked with Pat Gowen G3IOR who has sadly now left the satellite scene for other things.

I don't believe the bird starts up in any particular mode. From what we were seeing at the time it was pretty random. Its fairly obvious that most of the telemetry system works but the power supply problems mean that it doesn't transmit many useful data frames.

Have you considered the effect of 70 Cms band OTH RADARS on the bird? That was a subject of interest for us at the time we were collecting data. AO7 does have RADAR filtering but it was designed for RADARS with fairly different PRF's (pulse repetition frequencies) from those in use today. It is likely that modern BMEWS and other RADAR's are getting in and causing receiver desense and FM'ing.

We noticed that as it climbed North the signal level was dropping every time it was headed for Europe.

On its path over Europe, the US and Russia in particular, it flies through the path of many BMEWS and other RADAR installations with ERP's in the tens of megawatts.

I found the study of the AO7 telemetry fascinating but we eventually gave up on it because of the sheer difficulty of proving anything of value from the small data sets.

(You can 'prove' just about anything you like with a small enough sample :-)).

As a result, I can't say with any sort of certainty that the RADARs are responsible for the problems.

For the same reason, it is unlikely that any definitive assessment can be made of the behaviour of AO7's transponder switching.

It should be remembered that AO7 has had the sort of radiation dose that should kill all the CMOS chips on board many times over if the manufacturer's maximum dose data are to be believed.. even given the screening employed on the bird.

Regards,
Allan Copland
GM1SXX

135. Re: AO-7 was Re: [eu-amsat] Digest Number 48

Yahoo group: eu-amsat
Date: 2005-03-22 20:44:40 UTC
From: SV1BSX
Topic: 133 Message: 135

Hi Emily, Allan and Group,

I noticed few days ago the following effect:

AO-7 was in Mode-B, the downlink signals was booming.
As usual happens, somebody (Alligator) was tuned with extremely high power in the middle
of bandpass and the Satellite suddenly closed (OFF, reset).

Randomly, I had my receiver still open and after about 1 minute, the Satellite
turned-on again in Mode-B and not in Mode-C, because the signals was once again "booming".
I can recognise the difference between Mode-B & Mode-C because the
Downlink signal in Mode-C is much more weaker in my receiver.
Actually I'm using just a 3 El Yagi for VHF Downlink, so the
difference is easily detectable. If the Mode-B is "ON" my receiver's
Noise-level (FMing) spectacular increasing around 145.950 during the AO-7's orbits.
This does not happen in Mode-C.
So I believe that, the logic attendance between the Modes (B,C,A) is
pretty random , otherwise after the "OFF" in Mode-B it might be "ON" in
Mode-C. That does not happen.

I remember also a similar reset few months ago... the Bird was in Mode-B
and after a short brake, came back again very weaker (in the same orbit-over Europe).
Probably that was the "Mode-C".

So, I agree with Allan at this point.... the train between the Modes seems to be
random.

BTW during the last days its in very good shape, AO-7's receiver
is extremely sensitive ! Yesterday morning was possible
to listen my return signal "Clear" in Mode-B, just by using 1 Watt
Uplink-power !

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, March 22, 2005 5:10 PM
Subject: AO-7 was Re: [eu-amsat] Digest Number 48

>
>
> > Unfortunately we don't really know much about AO-7's WOD but it
> would be interesting to have data on what mode AO-7 was in just before
> it went into eclipse (in the southern hemisphere) to see how well it
> did.
>
> Hi,
>
> Unfortunately it is highly unlikely that you will get enough good data
> from this bird to make a meaningful 'diagnosis'.
>
> John LA2QAA and myself took quite a bit of telemetry from A-O-7 on the
> christmas period before last. Much of the data transmitted was
> garbage and of the frames that made sense (ending in 650/651) the data
> actually looked pretty nominal. The temperatures and voltages seemed
> fine, which sort of surprised us somewhat. I had a detailed and
> interesting discussion with Jan W3GEY about the bird at that time. I
> also talked with Pat Gowen G3IOR who has sadly now left the satellite
> scene for other things.
>
> I don't believe the bird starts up in any particular mode. From what
> we were seeing at the time it was pretty random. Its fairly obvious
> that most of the telemetry system works but the power supply problems
> mean that it doesn't transmit many useful data frames.
>
> Have you considered the effect of 70 Cms band OTH RADARS on the bird?
> That was a subject of interest for us at the time we were collecting
> data. AO7 does have RADAR filtering but it was designed for RADARS
> with fairly different PRF's (pulse repetition frequencies) from those
> in use today. It is likely that modern BMEWS and other RADAR's are
> getting in and causing receiver desense and FM'ing.
>
> We noticed that as it climbed North the signal level was dropping
> every time it was headed for Europe.
>
> On its path over Europe, the US and Russia in particular, it flies
> through the path of many BMEWS and other RADAR installations with
> ERP's in the tens of megawatts.
>
> I found the study of the AO7 telemetry fascinating but we eventually
> gave up on it because of the sheer difficulty of proving anything of
> value from the small data sets.
>
> (You can 'prove' just about anything you like with a small enough
> sample :-)).
>
> As a result, I can't say with any sort of certainty that the RADARs
> are responsible for the problems.
>
> For the same reason, it is unlikely that any definitive assessment can

> be made of the behaviour of AO7's transponder switching.
>
> It should be remembered that AO7 has had the sort of radiation dose
> that should kill all the CMOS chips on board many times over if the
> manufacturer's maximum dose data are to be believed.. even given the
> screening employed on the bird.
>
> Regards,
> Allan Copland
> GM1SXX
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136. HamSat Keps

Yahoo group: eu-amsat
Date: 2005-04-02 00:21:30 UTC
From: SV1BSX
Topic: 136 Message: 136

Hello to Group,

Amsat-India's Web-page has the first pre-launch 2line-Keplerians for HamSat, but
probably the elements have a problem.

My Sat-tracking program indicates the following message:
"Data does not appear to be a valid Keplerian element file".

I tried to recover the data by using a Text Editor, without success.
Has anybody the correct data? they would be a lot of interest if we could see
the orbit of new satellite.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

_____
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137. RE: [eu-amsat] HamSat Keps

Yahoo group: eu-amsat
Date: 2005-04-02 07:09:43 UTC
From: William Leijenaar
Topic: 136 Message: 137

Hi Mak,

The Amsat-India webpage hasn't been changed for a long long time (something like 2 years).
The information and pictures on this webpage are old and not valide anymore.

Best is to wait for ISRO information, as they are the one that give relayable information.

At the end of April I will go to see the launch of HAMSAT in India.
I will try to get the up-to-date pre-launch keplers from ISRO, when they will give it free to public.
When I have them I will post them via AMSAT-BB and here on the group.

My kind regards,

William Leijenaar
PE1RAH, designer of the Dutch transponder on HAMSAT.

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: "EU-Amsat" <eu-amsat@yahoogroups.com>
>Subject: [eu-amsat] HamSat Keps
>Date: Sat, 2 Apr 2005 03:21:30 +0300
>
>
> Hello to Group,
>
> Amsat-India's Web-page has the first pre-launch 2line-Keplerians for
>HamSat, but
>probably the elements have a problem.
>
>My Sat-tracking program indicates the following message:
>"Data does not appear to be a valid Keplerian element file".
>
> I tried to recover the data by using a Text Editor, without success.
>Has anybody the correct data? they would be a lot of interest if we could
>see
>the orbit of new satellite.
>
> 73, Mak SV1BSX
>
>sv1bsx@...
>http://www.qsl.net/sv1bsx
>

>LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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>_____
>Do You Yahoo!?
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138. Deregulating Amateur Radio in the UK

Yahoo group: eu-amsat
Date: 2005-04-03 15:51:29 UTC
From: Allan Copland
Topic: 138 Message: 138

Hi,

This is slightly off-topic but I think members may want to read this item.

www.rsgb.org/news/gb2rs.htm#dereg

73 Al.
GM1SXX

139. Hamsat provisional keps.

Yahoo group: eu-amsat
Date: 2005-04-03 16:51:50 UTC
From: Allan Copland
Topic: 139 Message: 139

Hi,

For anyone having problems with the provisional keps on the AMSAT-India website, try the files\gm1sxx folder.

I've placed a hand tweaked set of keps based on the AMSAT-India website data. It works for me in my own simple tracking program Minitrack.

Admittedly Minitrack does NOT perform a CRC check on the data.

Hope it helps.

Regards,
Al.

140. Provisional keps... more.

Yahoo group: eu-amsat
Date: 2005-04-03 18:21:14 UTC
From: Allan Copland
Topic: 140 Message: 140

Hi,

As always, preliminary keps are rarely meaningful. Don't expect these to work after launch, which of course is still a bit away. They most certainly won't be accurate.

You can however use them as a model for what to expect from HAMSAT in terms of the typical behaviour of a satellite in this type of orbit.

Regards,
Al.
GM1SXX

141. Hamsat launch info.

Yahoo group: eu-amsat
Date: 2005-04-03 19:24:18 UTC
From: Allan Copland
Topic: 141 Message: 141

Hi
Some folks seem to be a bit concerned the the accuracy of the
information re the forthcoming launch of Hamsat AKA VuSAT.

The following link has the most detailed info I've found today.

www.nrilinks.com/news/n/12/18453.aspx

The ISRO official site also has information re HAMSAT but it seems not
to be updated very often.

Regards,
Al.
GM1SXX

142. Re: [eu-amsat] Hamsat provisional keps.

Yahoo group: eu-amsat
Date: 2005-04-03 21:48:48 UTC
From: SV1BSX
Topic: 139 Message: 142

.... tks Allan for uploaded file.

Well, once again I tried to load that in NOVA without success, but your comment about CRC-check it was very useful!

So, I had also on my PC the old but famous IT (ver. 1.0Vb). After the Kepl's conversion in a new Kepls format, by using the "2l2itk.exe", the IT accepted the converted file for HAMSAT and works pretty good!

Unfortunately, I had a bad idea to load again these "converted Kepls" in to NOVA. This program corrupted (!!) after that and it was necessary to "re-install" it, in order to make NOVA workable again.
So, keep in mind that, if somebody has the same thought with me - don't try it in NOVA.

Finally, Minitrack & IT are 2 workable programs for Hamsat's orbits, with this moment available data.

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, April 03, 2005 7:51 PM
Subject: [eu-amsat] Hamsat provisional keps.

>
>
> Hi,
>
> For anyone having problems with the provisional keps on the
> AMSAT-India website, try the files\gm1sxx folder.
>
> I've placed a hand tweaked set of keps based on the AMSAT-India
> website data. It works for me in my own simple tracking program
> Minitrack.
>
> Admittedly Minitrack does NOT perform a CRC check on the data.
>
> Hope it helps.
>
> Regards,
> Al.
>
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143. N6HPX

Yahoo group: eu-amsat
Date: 2005-04-13 10:36:07 UTC
From: Allan Copland
Topic: 143 Message: 143

Hi Larry,

Welcome to the AMSAT EU group. Things are fairly quiet at the moment
but I expect that will cheange when VuSAT is launched in a few weeks time.

73 Al
GM1SXX

144. HAMSAT/VuSAT report

Yahoo group: eu-amsat
Date: 2005-04-14 07:28:14 UTC
From: Allan Copland
Topic: 144 Message: 144

Date: Wed, 13 Apr 2005 09:36:08 +0530
From: "A.R Pratap Kumar" <comex@...>
Subject: Hamsat update

Hi All
Udating you all that the Hamsat (Vusat) is packed well and being
moved to
the launch site about 350 kms away from Bangalore
VU2WMY Mani is heading the convoy which left this morning 9 AM (IST
) 13
April.2005.
Incidentaly Mani moves most of the sats for over few years and he
works in
the Thermovac Divn of ISRO
Wishing them all a safe and comfortable journey.
Best 73
Pop
VU2POP
Secretary
Amsat India regd.

145. Re: N6HPX

Yahoo group: eu-amsat
Date: 2005-04-14 12:03:59 UTC
From: Larry Fields
Topic: 143 Message: 145

Thanks I havent been into the sats very long but did monitor the ao-51,ao27 and ISS several times while in San Diego<california> but am looking forward to getting more involved. Will be on vacation soon.

Larry Fields,n6hpx/mm

--- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@r...> wrote:
>
> Hi Larry,
>
> Welcome to the AMSAT EU group. Things are fairly quiet at the moment
> but I expect that will cheange when VuSAT is launched in a few weeks
time.
>
> 73 Al
> GM1SXX

147. AO-27 pass

Yahoo group: eu-amsat
Date: 2005-04-15 16:01:31 UTC
From: SV1BSX
Topic: 147 Message: 147

Hello to Group,

I believed that the AO-27 was "Off", but today afternoon randomly I heard the AO-27's pass, between 14.40-14.45 UTC.
The satellite was "ON" with very strong DownLink signal, rising to 9 S units, transmitted telemetry.
It sounds like packet 1200 Bps... has anybody experience how is possible to decode these
data?

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

148. Re: AO-27 pass

Yahoo group: eu-amsat
Date: 2005-04-18 08:56:53 UTC
From: Allan Copland
Topic: 147 Message: 148

Hi Mak,

You said..

> It sounds like packet 1200 Bps... has anybody experience how is
possible
> to decode these
> data?

This may seem a bit obvious, but I'd suggest taping the audio and
using a standard TNC to attempt to decode the data.
You just never know!

73 Al.

149. Re: AO-27 pass

Yahoo group: eu-amsat
Date: 2005-04-18 09:01:16 UTC
From: Allan Copland
Topic: 147 Message: 149

Makis,

Here is some information for you re AO27. You can read more at the URL listed.

Best 73
Al.

www.umbrasi.com/AO27/tlm.shtml

Logging AO-27 Telemetry

We need your help in logging TLM from AO27. While we condition the batteries we can use your help in receiving TLM from the satellite. If you have a 1200 AFSK TNC that you can connect to your satelite receiver, you have all the hardware you need.

To receive that data in a format we can use, follow these steps:
Download AO27TLM Version 1.1 (This is a newer version than on AMSAT.ORG)
Connect your TNC and verify that you can receive normal packet
Put your TNC into kiss mode (This is done with a terminal program. AO27TLM will not put the tnc into kiss mode. Many TNCs will use the commands kiss on, restart)
Make sure your clock on the computer is set correctly
Run AO27TLM with the /OT command line option (this is the only type of data we can use. If you log to kiss, or try to use some other program to log the data, we can't use it)
When the pass is over, exit AO27TLM
E-mail the resulting file (xxxxxxxx.LOG) to data@... (if you send it to any other address, our processing software will not receive it and it will be lost>

The Whole Orbit Data channel definitions are contained in a file called EYEWOD. This file is updated anytime the channels that are saved as wod on AO-27 are changed. Below is a link to the current channels so AO27TLM will extract the correct channels. This file is not needed to log data. It is only used if you would like to post process the data and look at the WOD your self.

The Current, Version 17 (0x11) EYEWOD file for AO27TLM.

150. Re: [eu-amsat] Re: AO-27 pass

Yahoo group: eu-amsat
Date: 2005-04-18 15:47:07 UTC
From: SV1BSX
Topic: 147 Message: 150

..OK All, tks for info.

Actually, today afternoon I recorded the AO-27 pass, once again
the DownLink telemetry was "Loud & Clear" for about 4-5 minutes.
I tried to read the recorded audio file with my usual packet program and I
had
100% success reading. I can read the headers clearly in ASCII, but the
telemetry-frames
are still encoded.

Next step: I will download the AO27TLM and I will try with it.

Thanks again!

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, April 18, 2005 12:01 PM
Subject: [eu-amsat] Re: AO-27 pass

>
>
> Makis,
>
> Here is some information for you re AO27. You can read more at the
> URL listed.
>
> Best 73
> Al.
>
>
> www.umbrasi.com/AO27/tlm.shtml
>
> Logging AO-27 Telemetry
>
> We need your help in logging TLM from AO27. While we condition the
> batteries we can use your help in receiving TLM from the satellite. If
> you have a 1200 AFSK TNC that you can connect to your satelite
> receiver, you have all the hardware you need.
>
> To receive that data in a format we can use, follow these steps:
> # Download AO27TLM Version 1.1 (This is a newer version than on
> AMSAT.ORG)
> # Connect your TNC and verify that you can receive normal packet

> # Put your TNC into kiss mode (This is done with a terminal program.
> AO27TLM will not put the tnc into kiss mode. Many TNCs will use the
> commands kiss on, restart)
> # Make sure your clock on the computer is set correctly
> # Run AO27TLM with the /OT command line option (this is the only type
> of data we can use. If you log to kiss, or try to use some other
> program to log the data, we can't use it)
> # When the pass is over, exit AO27TLM
> # E-mail the resulting file (xxxxxxxx.LOG) to data@... (if you
> send it to any other address, our processing software will not receive
> it and it will be lost>
>
> The Whole Orbit Data channel definitions are contained in a file
> called EYEWOD. This file is updated anytime the channels that are
> saved as wod on AO-27 are changed. Below is a link to the current
> channels so AO27TLM will extract the correct channels. This file is
> not needed to log data. It is only used if you would like to post
> process the data and look at the WOD your self.
>
> The Current, Version 17 (0x11) EYEWOD file for AO27TLM.
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> Yahoo! Groups Links
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????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

151. Re: AO-27 pass

Yahoo group: eu-amsat
Date: 2005-04-19 12:46:35 UTC
From: Allan Copland
Topic: 147 Message: 151

Hi Mak.

You said..
> I can read the headers clearly in ASCII, but the
> telemetry-frames
> are still encoded.

This is entirely normal. You need the software to decode the individual data channels and verify it.

I'm more familiar with the old UoSATs.. used to take a LOT of telemetry from them.
They transmit an ID header block followed by two lines of hexadecimal data. I eventually wrote my own decode software for it.

Have fun!

73 Al.

152. Pre Launch Meet 24 April 2005 (news de VU2POP)

Yahoo group: eu-amsat
Date: 2005-04-20 14:22:12 UTC
From: Allan Copland
Topic: 152 Message: 152

Date: Wed, 20 Apr 2005 12:01:16 -0000
From: "vu2pop" <vu2pop@...>
Subject: Pre Launch Meet 24 April 2005

Hi All
As we eagerly await the HAMSAT launch scheduled for first week of May 2005, its time we met for eyeball meet to discuss the various points related to pre launch and post launch activities of AMSAT INDIA.
In this regard we invite you to kindly attend the Amsat India meeting on 24 April 2005 time 10 AM, venue VU2POP 's QTH.
A R PRATHAP KUMAR
#18, Binny Layout II Stage,
4th Cross, 9th Main
Vijayanagar
Bangalore 560040
INDIA
Mob 94483 32249
Fax / Tel 91 80 23388073

Agenda for the meet
1. Report of the User meet held at ISRO on 9 April 2005 and related pointers at that meet.

2. Prelaunch activities like , visit to launch site or mission centre, Workshop to help build and setup ground stns viz antennas / rigs for hams.
3. Post Launch activities like, felicitate the Chairman, Centre Dir, Program Dir, Project Dir and associated members of ISRO for the success of Hamsat.
4. Visit to ISTRAC to see the command or mission centre activities.
5. Plan well for the next series of HAMSAT as proposed by the Chairman.
6. VU2BGS to provide his bench model transponder for bemch test reports and proceed to build the flight model.
7. Raise funds by way of donations from among members in VU and DX for the future series of transponders for HAMSAT series.
Also the members can sponsor or fund the difficult to get critical components from different sources.
8. Anyone having any working innovative ideas or designs for the next series for HAMSAT may submit to AMSAT INDIA which will be forwarded to ISRO by the technical committee.
9. Open discussions related to Amsat India with the permossion of the chair.
10. Lastly we request all annual members to upgrade to life membership as it has been found that most annual members dues have not been renewed . And the Tres finds it embarassing to keep

reminding such members.
We wish to follow other Amsat orgs in Dx which have only life members and ofcourse donations to raise funds for certain projects.
NOTE All are requested to kindly adhere to the above agenda for discussion and not deviate out of topic.

So see you all for an eyeball at my QTH.
Best 73
Pop
VU2POP
Secretary
Amsat India regd

153. FO-29 traffic

Yahoo group: eu-amsat
Date: 2005-04-25 22:42:23 UTC
From: SV1BSX
Topic: 153 Message: 153

Hi friends,

well, today afternoon during FO-29 pass (about 18.45 UTC), I was impressed
with traffic on this bird ! I was looking for a clear frequency on the
middle of Passband for CQ, but that was impossible....
several stations was QRV on CW & SSB !

Bird's "warble"! Its spring season !

I don't know if that is something temporary, but is very nice to hear
again the usually "lonely" bird with too much traffic.

I hear also new callsigns and that is great. I don't know if that is
important,
but the last period I'm looking into DX Cluster and several times I have
seen several spots for FO-29.

Sometimes, I put my self few DX-spots. Actually, I don't like very much
this method,
but if that helps and supports the Bird's traffic, no problem, I
love it !

BTW I'm still looking for "JP" grid square... is anybody there ?

Bye and I hope to CU soon on FO-29.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

154. Re: [eu-amsat] FO-29 traffic

Yahoo group: eu-amsat
Date: 2005-04-26 15:38:58 UTC
From: Terry Bromley
Topic: 153 Message: 154

Hi Mak, it shure was busy. I called you but you were popular with QSOs.See
you soon T erry G1WPR.
----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Monday, April 25, 2005 11:42 PM
Subject: [eu-amsat] FO-29 traffic

>
> Hi friends,
>
> well, today afternoon during FO-29 pass (about 18.45 UTC), I was
impressed
> with traffic on this bird ! I was looking for a clear frequency on the
> middle of Passband for CQ, but that was impossible....
> several stations was QRV on CW & SSB !
>
> Bird's "warble"! Its spring season !
>
> I don't know if that is something temporary, but is very nice to hear
> again the usually "lonely" bird with too much traffic.
>
> I hear also new callsigns and that is great. I don't know if that is
> important,
> but the last period I'm looking into DX Cluster and several times I have
> seen several spots for FO-29.
>
> Sometimes, I put my self few DX-spots. Actually, I don't like very much
> this method,
> but if that helps and supports the Bird's traffic, no problem, I
> love it !
>
> BTW I'm still looking for "JP" grid square... is anybody there ?
>
> Bye and I hope to CU soon on FO-29.
>
>
> 73, Mak SV1BSX
>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free

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> _____
> Do You Yahoo!?
> ????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr
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> Yahoo! Groups Links
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155. Re: [eu-amsat] FO-29 traffic

Yahoo group: eu-amsat
Date: 2005-04-26 16:51:55 UTC
From: SV1BSX
Topic: 153 Message: 155

Hi Terry,

>
> Hi Mak, it shure was busy. I called you but you were popular with QSOs.See
> you soon T erry G1WPR.

well, I have a small problem on Satellite access from High buildings, when
the Bird's orbit is "SouthWest-West" of my QTH. I have good access when the
Bird moves from Central to North Europe & Scandinavia (bearing for you
between 120 to 20?), so just looking for me at these orbits.
I'm usually on the middle of Passband (?435.850) and I'm calling CQ mainly
on CW and sometimes on SSB.

CU on FO-29.

73, Mak

156. Latest Indian HAMSAT satellite information

Yahoo group: eu-amsat
Date: 2005-04-28 19:09:02 UTC
From: pe1rah
Topic: 156 Message: 156

Hi AMSATs,

As many of you know, the launch of the Indian HAMSAT is comming closer. We still have to wait a while but not to long.

In 2 days I will leaving to India to see the launch of HAMSAT with my transponder on it. From my last contact with ISRO I can tell that HAMSAT is doing great, and that it is already mounted on the rocket. In the next few days the rocket will be transported to the launch place, where it finally will be launched on the 5th of May.

After the launch HAMSAT will first be checked by the ISRO ground station. A few days after the launch one of the transponders will be activated for the ham users. When all goes well I think this will be in the weekend of 7/8 May. It might be not due to some (technical) reasons, but it gives you a good reason to fix up your antennas and listen for the new HAMSAT bird :)

I will be in India at that time, without any rig. It would be nice to hear signal reports from the HAMSAT up/dwnlink. at any place of the world.

Lets hope that all goes well and that HAMSAT will be fine for a long time,

HAMSAT frequencies:

Indian transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacom : 145.940MHz continue carier signal

Dutch transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

73
William Leijenaar
PE1RAH
---

157. AW: [eu-amsat] Latest Indian HAMSAT satellite information

Yahoo group: eu-amsat
Date: 2005-04-28 20:03:14 UTC
From: Benny Kaulfuss
Topic: 156 Message: 157

What is the Launch Date ? An Time ?

-----Ursprüngliche Nachricht-----
Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von pe1rah
Gesendet: Donnerstag, 28. April 2005 21:09
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Latest Indian HAMSAT satellite information

Hi AMSATs,

As many of you know, the launch of the Indian HAMSAT is comming closer. We still have to wait a while but not to long.

In 2 days I will leaving to India to see the launch of HAMSAT with my transponder on it. From my last contact with ISRO I can tell that HAMSAT is doing great, and that it is already mounted on the rocket.
In the next few days the rocket will be transported to the launch place, where it finally will be launched on the 5th of May.

After the launch HAMSAT will first be checked by the ISRO ground station. A few days after the launch one of the transponders will be activated for the ham users. When all goes well I think this will be in the weekend of 7/8 May. It might be not due to some (technical) reasons, but it gives you a good reason to fix up your antennas and listen for the new HAMSAT bird :)

I will be in India at that time, without any rig. It would be nice to hear signal reports from the HAMSAT up/dwnlink. at any place of the world.

Lets hope that all goes well and that HAMSAT will be fine for a long time,

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Dutch transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

73
William Leijenaar
PE1RAH

Yahoo! Groups Links

158. AO-7 mode A

Yahoo group: eu-amsat
Date: 2005-04-29 17:31:55 UTC
From: OM0AAO Viliam
Topic: 158 Message: 158

Good aftrenoon!

TNX to Mak SV1BSX and Hans ON4ASG for QSOs in mode A... Planing directional antennas for 10m downlink and soon also will be QRV on other modes.

Hope to meet again soon everybody,

73'Viliam, OM0AAO

159. Orbits & QSOs...

Yahoo group: eu-amsat
Date: 2005-05-02 20:05:30 UTC
From: SV1BSX
Topic: 159 Message: 159

Hello,

the last period I noticed that, several stations call me near to my LOS!
Sorry but, I can't answering... sometimes I did that and usually the QSO
was uncompleted.

So, please take a look if the other station has enough time for your call,
depending upon the satellite's access of him.

Just keep in mind, when the satellite is overhead for you,
may be is close to LOS for the other station. Greece is in
South-East part of Europe and when a satellite is over SW-West-NW of
Europe, usually that happens with stations from EA,CT,G,GM etc.
I will do my best for a QSO with all of you, but please keep in mind my
LOS time.

Thanks in advance.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

_____
Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

160. More on Hamsat.

Yahoo group: eu-amsat
Date: 2005-05-04 07:30:18 UTC
From: Allan Copland
Topic: 160 Message: 160

Hi,

For more info re the forthcoming launch of Hamsat, see www.ddinews.com
where mention is made of Hamsat in the science and technology section.

The actual link is at..
www.ddinews.com/Homepage/Homepage+-+Headlines/Kalam+to+inaugurate+second+launch+pad+at+Sriharikota+today.htm

73 Al.
GM1SXX

161. Hamsat.. Photo and information.

Yahoo group: eu-amsat
Date: 2005-05-04 07:40:14 UTC
From: Allan Copland
Topic: 161 Message: 161

Hi,

You can see / read more re Hamsat at..

www.isro.org/Cartosat/Page5.htm

73 Al.
GM1SXX

162. Hamsat Launch Info

Yahoo group: eu-amsat
Date: 2005-05-04 07:52:49 UTC
From: Allan Copland
Topic: 162 Message: 162

Launch delayed slightly till between 10.19 am and 10.40 am 5/May due
to Hailstorms at the launch site. (GM1SXX)

More info from the Press Trust of India.

73 Al.
GM1SXX
++
Countdown for Cartosat launch begins
Press Trust of India
Bangalore, May 3, 2005

The countdown began early on Tuesday morning for the launch of India's
latest remote sensing satellite CARTOSAT-1 along with a piggyback
satellite, HAMSAT, on board the Polar Satellite

Launch Vehicle (PSLV-C6) from Satish Dhawan Space Centre at
Sriharikota in Andhra Pradesh, on Wednesday.

The launch is scheduled between 10.19 am and 10.40 am.

"The countdown began early this morning," an ISRO spokesman said.
The 1560-kg CARTOSAT-1 along with 42.5kg HAMSAT would be launched from
the newly set up second launching pad.

CARTOSAT-1, 11th satellite in the Indian Remote Sensing series, is
intended for cartographic applications and is expected to give a
further fillip to remote services by providing imagery with improved
spatial resolution.

The data from CARTOSAT-1 is for providing enhanced inputs for large
scale mapping applications and newer applications in the urban and
rural development, land and water management, disaster assessment,
relief planning and various other GIS applications.

HAMSAT is a microsatellite for providing satellite based Amateur Radio
to the national as well as international community of Amateur Radio
(HAMs).

163. PE1RAH gets (anonymous) mention in The Hindu Newspaper.

Yahoo group: eu-amsat
Date: 2005-05-04 07:57:21 UTC
From: Allan Copland
Topic: 163 Message: 163

PSLV launch with two satellites on May 5

Special Correspondent

Four-stage vehicle will put 1,560-kg CARTOSAT and HAMSAT in space

PSLV has been built by Vikram Sarabhai Space Centre
First launch from brand new second launch pad at Sriharikota
Countdown begins on May 3

CHENNAI: The Polar Satellite Launch Vehicle (PSLV) carrying two satellites will lift off from the spaceport at Sriharikota on May 5 and the launch campaign for the mission is in full swing, according to K. Narayana, Director, Satish Dhawan Space Centre, Sriharikota, Andhra Pradesh.

The four-stage vehicle is already mated with two satellites ☐ CARTOSAT and HAMSAT.

What is significant about this mission is that this is the first time that a launch vehicle will blast off from the newly-built, sophisticated second launch pad at Sriharikota, about 100 km from here.

The four stages of the PSLV have been vertically integrated on a huge platform in a massive, tall building called the Vehicle Assembly Building. The PSLV was wheeled slowly on its launch platform on a rail track to the launch pad on Saturday. "We have already assembled the rocket with the satellites in the Vehicle Assembly Building. We are planning the launch for May 5," Mr. Narayana said.

He said the countdown would start on May 3, that is 52 hours before the launch. The Mission Readiness Team, which consists of experts, would review the health of the launch vehicle, the two satellites and the ground stations and make its recommendations. Based on these, the Launch Authorisation Board would give the clearance for the start of the countdown.

The PSLV has been built by the Vikram Sarabhai Space Centre, Thiruvananthapuram, which is the lead centre of the Indian Space Research Organisation (ISRO).

Both CARTOSAT and HAMSAT have been fabricated by the ISRO Satellite Centre, Bangalore.

CARTOSAT, which weighs about 1,560 kg, will be useful in preparing atlases, monitoring the growth of cities, laying ring roads and so on.

The 43-kg HAMSAT is a mini-satellite that will provide amateur services to HAMS (amateur radio operators).

It has two transponders □ one designed in India and, the other, by a Dutch amateur radio operator from the Higher Technical Institute, Venlo, the Netherlands.

164. Hamsat INFO... Website

Yahoo group: eu-amsat
Date: 2005-05-04 14:43:46 UTC
From: Allan Copland
Topic: 164 Message: 164

Hi,

For more info and some photos try

www.amsatindia.com/hamsat.htm

This site seems to be offering decent data rates and has some
interesting information not previously released about HamSat.

73 Al.
GM1SXX

165. FO-29 activity

Yahoo group: eu-amsat
Date: 2005-05-04 20:47:34 UTC
From: SV1BSX
Topic: 165 Message: 165

FO-29 was great tonight... a "light" pile-up during #43032 orbit, with TM5WWE
special call in SSB mode !

Enjoy !

73, Mak SV1BSX

ps: TM5WWE's QSL route is via F6KBG

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

166. Hamsat Launched.

Yahoo group: eu-amsat
Date: 2005-05-05 07:38:30 UTC
From: Allan Copland
Topic: 166 Message: 166

Information Courtesy www.ddinews.com (Science & Technology pages)
Thursday 05 May, 2005.

PSLV-C6 lifts off Sriharikota

ISRO's Polar Satellite Launch Vehicle PSLV-C6, carrying India's 1560 kg remote sensing satellite CARTOSAT-1 and a 42.5 kg micro satellite HAMSAT, blasted off from the Satish Dhawan Space Centre at Sriharikota.

It was launched from the new state-of-the-art Second Launch Pad, built at a cost of Rs.400 crore. This will be the first launch from this pad.

The PSLV-C6, in its ninth flight, soared into the sky from the newly set up state-of-the-art Second Launch Pad at the space centre.

President A P J Abdul Kalam, who had dedicated the launch pad to the nation yesterday, watched the launch.

This is the first launch from the second launch pad which had come up at a cost of Rs 400 crore. This is the first time ISRO is launching two satellites in one mission.

CARTOSAT-1, Rs.250 crore project of ISRO, will be used for cartographic applications and the HAMSAT for amateur radio operator services.

The PSLV-C6, the 295 tonnes and 44.4 metres tall workhorse launch vehicle of ISRO, lifted off at 10.14 a.m. It will place the satellites into a 618 kms Polar Sun Synchronous Orbit (SSO).

The launch vehicle consisted of a core stage with 138 tonnes of solid propellant and six strap-on motors, each carrying nine tonnes of solid propellant in the first stage, 41.5 tonnes of liquid propellant in the second stage, 7.6 tonnes of solid propellant in the third stage and a twin engine configuration with 2.5 tonnes of liquid propellant in the fourth stage.

Built for a mission life of five years, the CARTOSAT-1 is mainly intended for cartographic applications.

****
HAMSAT is a microsatellite for providing satellite-based Amateur Radio Services to the national as well as the international community of Amateur Radio Operators (HAMs).
****

Once commissioned, CARTOSAT-1 will give further fillip to remote sensing services by providing imagery with improved spatial resolution.

167. Hamsat Info

Yahoo group: eu-amsat
Date: 2005-05-05 07:57:07 UTC
From: Allan Copland
Topic: 167 Message: 167

Hi,

For anyone wanting to read the original article re the launch of HamSAT/VuSAT, it can be found at..

www.ddinews.com/Homepage/Homepage+-+Headlines/Kalam+dedicates+ISRO+second+launch+pad+to+nation.htm

(please take care to copy the entire URL)

Kind Regards,

Allan Copland
GM1SXX

168. Spacedaily Cartosat/Hamsat

Yahoo group: eu-amsat
Date: 2005-05-05 12:09:59 UTC
From: Allan Copland
Topic: 168 Message: 168

www.spacedaily.com/news/eo-05zu.html

73 Al.
GM1SXX

169. Successfull launch of HAMSAT

Yahoo group: eu-amsat
Date: 2005-05-05 12:49:36 UTC
From: pe1rah
Topic: 169 Message: 169

Hi AMSATs,

I am just back from Shriharikota launch platform, and I can happily inform you that the launch was a 100% success.

All 4 stages ignited and seperated as planed, and the satellite is in the planned orbit now.

The latest information I have is that HAMSAT is in top condition and that it spins at 1.5RPM. This will be increased to 4RPM, and shortly after that the main transponder might be switched on.

When the HAMSAT is released for ham use the ISRO will open a webpage with the latest status and kepler data. When I know more I will inform you as soon as possible... just be patience :)

Tommorrow I leaving to Bangalore where is the ISRO groundstation. There I will listen to the signals given from the transponder, and I hope all will be well.

73
William Leijenaar
PE1RAH with my radio now in space :)

170. HAMSAT - ISRO press release

Yahoo group: eu-amsat
Date: 2005-05-05 12:54:33 UTC
From: pe1rah
Topic: 170 Message: 170

Hi AMSATs,

Please look at the following link:

http://www.isro.org/pressrelease/May05_2005.htm

73
William
PE1RAH
---

171. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2005-05-05 13:57:09 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 171

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /PE1RAH/Hamsat_Cartosat_launch.rtf
Uploaded by : allan_gm1sxx <acopland@...>
Description : Hamsat & Cartosat-1 Launch press-release

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/PE1RAH/Hamsat_Cartosat_launch.rtf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

allan_gm1sxx <acopland@...>
```

173. Well done! William.

Yahoo group: eu-amsat
Date: 2005-05-05 15:12:14 UTC
From: John Alan Hackett.
Topic: 173 Message: 173

I'm sure the members of the group will join me in congratulating William PE1RAH for providing an analogue transponder for the pleasure of all satellite enthusiasts and for leading the way as well as furthering the cause of amateur radio satellite operations.

EU-Amsat is *proud* to have you as a member of the group.

WELL DONE!!! WILLIAM.

73 John. LA2QAA.

174. Re: [eu-amsat] Successfull launch of HAMSAT

Yahoo group: eu-amsat
Date: 2005-05-05 16:43:32 UTC
From: SV1BSX
Topic: 169 Message: 174

Hi William,

GREAT JOB ! Congratulations and thank you also for the updating.

I'm looking forward about the first Beacon-signals !

73, Mak SV1BSX

----- Original Message -----
From: "pe1rah" <pe1rah@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, May 05, 2005 3:49 PM
Subject: [eu-amsat] Successfull launch of HAMSAT

> Hi AMSATs,
>
> I am just back from Shriharikota launch platform, and I can happily
> inform you that the launch was a 100% success.
>
> All 4 stages ignited and seperated as planed, and the satellite is in
> the planned orbit now.
>
> The latest information I have is that HAMSAT is in top condition and
> that it spins at 1.5RPM. This will be increased to 4RPM, and shortly
> after that the main transponder might be switched on.
>
> When the HAMSAT is released for ham use the ISRO will open a webpage
> with the latest status and kepler data. When I know more I will
> inform you as soon as possible... just be patience :)
>
> Tommorrow I leaving to Bangalore where is the ISRO groundstation.
> There I will listen to the signals given from the transponder, and I
> hope all will be well.
>
> 73
> William Leijenaar
> PE1RAH with my radio now in space :)
>
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> Yahoo! Groups Links
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175. HAMSAT Keplers

Yahoo group: eu-amsat
Date: 2005-05-06 08:55:35 UTC
From: Allan Copland
Topic: 175 Message: 175

Hi,

I've had emails from a few people asking why kepler elements they have found or been sent for HAMSAT dont agree with each other.

The quick anwswer to that is that ALL the kepler elements around right now are 'guesstimations' not based on accurate RADAR data.

They will serve to show users what the orbit looks like but should not be considered to be accurate in any way.

When the NORAD (North American Air Defence) RADARs get more fixes on HAMSAT as it flies through their RADAR fans, the elements will be refined and released onto the internet.

The best sources to find accurate 'measured' elements on are Celestrack or Space-Track.

I'd suggest users check out the Celestrack site as a first port of call.

I hope this helps a few people understand why the numbers dont agree with each other.

Kind Regards,
Allan Copland
GM1SXX

176. Hamsat Keplers

Yahoo group: eu-amsat
Date: 2005-05-06 10:10:32 UTC
From: Allan Copland
Topic: 176 Message: 176

Hi,

I have posted three element sets as a single file in the \Files\GM1SXX folder.

The first set is of unknown origin and was sent to me today by John, LA2QAA.

The second and third set of elements were taken directly from Celestrack at 10:00UTC and are extremely likely to be those of HAMSAT and CARTOSAT-1.

You will note that they are tagged as 'Unknown'.
This means that the people at NORAD have not yet positively identified both objects although there is little doubt as to what they are.
The main problem is in determiniming which object is which.

The data will be refined over the next few days so keep checking celestrack every once in a while for updates. Please do not expect this element set to be very accurate. It will need updating as new data comes in.

73 Al.
GM1SXX

177. HamSat report

Yahoo group: eu-amsat
Date: 2005-05-06 20:12:00 UTC
From: SV1BSX
Topic: 177 Message: 177

Hi friends,

well, tonight I tried for first time a TX-test with HamSat.

This Bird is fantastic ! Super sensitive receiver! Excellent audio in DownLink !

The Orbit was #23, Max Elevation 15?, pass over Russia, Siberia to North Pole, E-NE of my location.

Just notice that, my Final UHF Stage is still damaged, so I have only 10 Watts Output Power by driver unit.
My Coaxial is about 40m and has a total loss about 5Db with connectors and Coax-relays. Antenna gain only 7dBd, so my ERP is 10 W * 2 dB= ? 16 Watts.)
But, this Power was enough ! My return signal in Downlink was clear 559 (CW), stable, even when the antenna did not follow the satellite ! (manual operation -> Auto-tracking-"OFF".

(Compared to the AO-7, this power is not enough for AO-7 accessing. Sometimes only with very good passes this Power is enough for limiting access, but in any case my DownLink signal is very-very weak.)

I sent few "CQ de SV1BSX" on HamSat, just for test, without response from somebody.
Few KHz up, I noticed 2-3 QSOs, around 145.900, with 9 S units signal.

No time for Beacon listening.

Once again, CONGRATULATIONS to William PE1RAH and Amsat-India.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

178. HamSat 1st QSO

Yahoo group: eu-amsat
Date: 2005-05-07 09:02:19 UTC
From: SV1BSX
Topic: 178 Message: 178

GM my friends,

well, few minutes ago I made my first QSO via HamSat (orbit #31) with
HA8AR.
I sent to him a real 599, he gave me 579, excellent receiving report for my
15 Watts ERP ! I think, this Bird is ideal for... QRP satellite operation !
Before our QSO, HA8AR had a QSO with Gena, ES1RF.
Of course in CW mode !
But, the satellite surprised me again: was possible to received this Bird,
just by using my old GP antenna ! 59 on my 2x4El cross, 55 peaking to 57
with GP !!!

Impressive !

Have a nice weekend (with this Bird, I'm sure for that!)

73, Mak

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

179. Who name HAMSAT to VO-52 ???

Yahoo group: eu-amsat
Date: 2005-05-12 12:00:30 UTC
From: pe1rah
Topic: 179 Message: 179

Hi AMSATs,

I am trying to find out who gave HAMSAT the name VO-52 ???
Anybody knows ???

Its name should be HO-52, and the real developers of the HAMSAT also want it to be like this. Somehow someone else got interfered again and gave it its nickname "VUSAT" instead of the real name HAMSAT as it is named by ISRO and the real developers.

For some Indian hams they nickname it VUSAT, but to the world it should be HAMSAT. When its stays VUSAT I want my radio to be PE-SAT, with number PE-52 (as it is none VU radio) :o)

ISRO is the maker and funder of the HAMSAT (except the Dutch transponder). I would like it to be fair to accept their name of the satellite which is HAMSAT.
Therefor please change the VO-52 into HO-52.

I ask your help, as I can not do to much here in India right now.
At the moment talks are going for maybe a HAMSAT-II. A good behavior and respect toward ISRO would be helpfull. I even extend my flight back to The Netherlands for promoting a future satellite...
How I have to explain them that HAMSAT is called VO ??

73,
VU2/PE1RAH
William (Developer of the Dutch transponder)
---

180. Re: [eu-amsat] Who name HAMSAT to VO-52 ???

Yahoo group: eu-amsat
Date: 2005-05-12 14:38:22 UTC
From: SV1BSX
Topic: 179 Message: 180

William,

searching on Internet, I found the follow 2 messages in Amsat-BB:

>At 07:30 PM 5/10/2005 -0400, John Price wrote:
>Has Hamsat/VUsat been given the designation VO-52? I keep seeing folks
>referring to it as such. I might have missed the announcement. Anyone know?
>----

>>Look on the Amsat-NA Homepage under the current AO-51 schedule .
>>VO-52 is the new official designation for Hamsat .
>>
>>
>>73's,
>>Ed - KL7UW

...so, probably, I repeat PROBABLY, the Hamsat named "VO-51" by
Amsat-NA. I can't find any official announcement with some connection
between "VO-51" and HAMSAT.

73, Mak SV1BSX

----- Original Message -----
From: "pe1rah" <pe1rah@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, May 12, 2005 3:00 PM
Subject: [eu-amsat] Who name HAMSAT to VO-52 ???

> Hi AMSATs,
>
> I am trying to find out who gave HAMSAT the name VO-52 ???
> Anybody knows ???
>
> Its name should be HO-52, and the real developers of the HAMSAT also
> want it to be like this. Somehow someone else got interfered again
> and gave it its nickname "VUSAT" instead of the real name HAMSAT as
> it is named by ISRO and the real developers.
>
> For some Indian hams they nickname it VUSAT, but to the world it
> should be HAMSAT. When its stays VUSAT I want my radio to be PE-SAT,
> with number PE-52 (as it is none VU radio) :o)
>
> ISRO is the maker and funder of the HAMSAT (except the Dutch
> transponder). I would like it to be fair to accept their name of the
> satellite which is HAMSAT.
> Therefor please change the VO-52 into HO-52.
>

> I ask your help, as I can not do to much here in India right now.
> At the moment talks are going for maybe a HAMSAT-II. A good behavior
> and respect toward ISRO would be helpfull. I even extend my flight
> back to The Netherlands for promoting a future satellite...
> How I have to explain them that HAMSAT is called VO ??
>
> 73,
> VU2/PE1RAH
> William (Developer of the Dutch transponder)
> ---
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Do You Yahoo!?
????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

181. In support of PE1RAH.

Yahoo group: eu-amsat
Date: 2005-05-12 14:44:28 UTC
From: John Alan Hackett.
Topic: 181 Message: 181

Hello Folks,
I want to go on record as saying the following.....

I absolutely agree with William, PE1RAH.

ISRO are wholly responsible for HAMSAT and we should respect their designation for this satellite.

William is responsible for the Dutch transponder and not only deserves the thanks of the amateur satellite community but should also have the privilage of naming his transponder in any way he chooses.

No matter that Amsat-NA have taken it upon themselves to "give it an OSCAR number".....to the best of my knowledge, Amsat-NA had absolutely nothing! to do with the planning and implimentation of this satellite.

HAMSAT is a very suitable designation, lets keep it.

73 John <la2qaa@...>

182. Re: [eu-amsat] Who name HAMSAT to VO-52 ???

Yahoo group: eu-amsat
Date: 2005-05-12 15:30:24 UTC
From: SV1BSX
Topic: 179 Message: 182

Correction ! On my last message I wrote the HAMSAT as VO-51...
of course I mean VO-52 (wrong typeset, sorry!)

73, Mak

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: <eu-amsat@yahoogroups.com>
Cc: "pe1rah" <pe1rah@...>
Sent: Thursday, May 12, 2005 5:38 PM
Subject: Re: [eu-amsat] Who name HAMSAT to VO-52 ???

> William,
>
> searching on Internet, I found the follow 2 messages in Amsat-BB:
>
> >At 07:30 PM 5/10/2005 -0400, John Price wrote:
> >Has Hamsat/VUsat been given the designation VO-52? I keep seeing folks
> >referring to it as such. I might have missed the announcement. Anyone
know?
> >----
>
> >>Look on the Amsat-NA Homepage under the current AO-51 schedule .
> >>VO-52 is the new official designation for Hamsat .
> >>
> >>
> >>73's,
> >>Ed - KL7UW
>
>
> ...so, probably, I repeat PROBABLY, the Hamsat named "VO-51" by
> Amsat-NA. I can't find any official announcement with some connection
> between "VO-51" and HAMSAT.
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "pe1rah" <pe1rah@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Thursday, May 12, 2005 3:00 PM
> Subject: [eu-amsat] Who name HAMSAT to VO-52 ???
>
>
> > Hi AMSATs,
> >

> > I am trying to find out who gave HAMSAT the name VO-52 ???
> > Anybody knows ???
> >
> > Its name should be HO-52, and the real developers of the HAMSAT also
> > want it to be like this. Somehow someone else got interfered again
> > and gave it its nickname "VUSAT" instead of the real name HAMSAT as
> > it is named by ISRO and the real developers.
> >
> > For some Indian hams they nickname it VUSAT, but to the world it
> > should be HAMSAT. When its stays VUSAT I want my radio to be PE-SAT,
> > with number PE-52 (as it is none VU radio) :o)
> >
> > ISRO is the maker and funder of the HAMSAT (except the Dutch
> > transponder). I would like it to be fair to accept their name of the
> > satellite which is HAMSAT.
> > Therefor please change the VO-52 into HO-52.
> >
> > I ask your help, as I can not do to much here in India right now.
> > At the moment talks are going for maybe a HAMSAT-II. A good behavior
> > and respect toward ISRO would be helpfull. I even extend my flight
> > back to The Netherlands for promoting a future satellite...
> > How I have to explain them that HAMSAT is called VO ??
> >
> > 73,
> > VU2/PE1RAH
> > William (Developer of the Dutch transponder)
> > ---
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> ____
> Do You Yahoo!?
> ????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr
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> Yahoo! Groups Links
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183. FM on linear transponders.

Yahoo group: eu-amsat
Date: 2005-05-12 19:43:40 UTC
From: John Alan Hackett.
Topic: 183 Message: 183

Hello All,
Re: HAMSAT. After reading several postings from various
BB's around the world it became clear that not everyone is aware of
the inefficiency of FM on a linear transponder.

What the newcomer *needs* to know is that it depletes the batteries
far! more than CW or SSB. The reason FM was included on HAMSAT was
soley for the purpose of those operators that *don't* have access to
CW or SSB equipment.

I hope the experienced operators will set an example and refrain
from using FM.....while at the same time, encourage the lesser
experienced operators to use the far more efficient modes of CW and
SSB.

It is also not necessary to deplete the batteries by using more
power than is needed for efficient communications.

I's in our own interest that we in EU-AMSAT set an example for
efficient operating.....which will of course prolong the life of
HAMSAT.

73 John. <la2qaa@...>

184. Re: FM on linear transponders.

Yahoo group: eu-amsat
Date: 2005-05-13 09:00:12 UTC
From: Allan Copland
Topic: 183 Message: 184

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <la2qaa@a...>
wrote:
> Hello All,
> Re: HAMSAT. After reading several postings from various
> BB's around the world it became clear that not everyone is aware of
> the inefficiency of FM on a linear transponder.
>
Re John's posting, I notice that the information re Hamsat's
Transponders has now been amended to CW/SSB on many sites.

73 Al.
GM1SXX

185. OutlookIndia. HAMSAT Article

Yahoo group: eu-amsat
Date: 2005-05-13 12:22:37 UTC
From: Allan Copland
Topic: 185 Message: 185

Hi,

There is an interesting article on HAMSAT in OutlookIndia.

This details the Indian Space Reasearch Organisation's kind gift to
the global amateur radio community and Willian Gerard Leijenaar
PE1RAH's
personal contribution to Hamsat.

www.outlookindia.com/pti_news.asp?id=296922

73 de Al.
GM1SXX

186. Re: In support of PE1RAH.

Yahoo group: eu-amsat
Date: 2005-05-13 13:41:09 UTC
From: Allan Copland
Topic: 181 Message: 186

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <la2qaa@a...>
wrote:
> Hello Folks,
> I want to go on record as saying the following.....
>
> I absolutely agree with William, PE1RAH.
>
> ISRO are wholly responsible for HAMSAT and we should respect their
> designation for this satellite.
(Edited GM1SXX)
> HAMSAT is a very suitable designation, lets keep it.

Hear Hear!

73 Al.
SXX

187. New Member... Andrew Jarrett G1EFP

Yahoo group: eu-amsat
Date: 2005-05-13 15:01:42 UTC
From: Allan Copland
Topic: 187 Message: 187

Hi Andrew,

Welcome to the AMSAT-EU group.
We hope you find the group of interest.

The most recent development in the amateur satellite scene has been the launch of Hamsat just over a week ago from the Sriharikota test range (SHAR) in India on a PSLV rocket as a secondary payload alongside India's Cartosat-1 spacecraft.
The new bird is working fine and you can find some photos and transponder information on this site and elsewhere on the Internet.

73 de Al.
GM1SXX

188. Re: [eu-amsat] Digest Number 80

Yahoo group: eu-amsat
Date: 2005-05-13 15:12:05 UTC
From: Emily Clarke
Topic: 188 Message: 188

William PE1RAH wrote,

>I am trying to find out who gave HAMSAT the name VO-52 ???
>Anybody knows ???

OSCAR designations is a copyrighted process that was started by Project OSCAR (of which I am vice-president) and in 1969 Project OSCAR legally transferred this authority to AMSAT as a governing body. OSCAR numbers can only be given out by AMSAT, and there is a formal procedure to apply for an OSCAR number. The procedure is well documented and posted in the FAQ section of the AMSAT website:
http://www.amsat.org/amsat-new/information/faqs/numbers.php

The request must be made by an organization (in this case AMSAT-India). Individuals involved in building a satellite are not considered to have standing nor are people who contribute money, regardless of the amount. Only the organization can ask for an OSCAR number, and only an organization can suggest it's OSCAR designator prefix. Individual components (ie, a transponder) are not given numbers - only satellites are given OSCAR numbers (even if the amateur portion of the satellite is a secondary payload.)

Before I posted the name VO-52 to the AMSAT website I verified the authority of the messages and assignment.

73,

Emily

189. Re: [eu-amsat] Digest Number 80

Yahoo group: eu-amsat
Date: 2005-05-14 07:47:03 UTC
From: William Leijenaar
Topic: 188 Message: 189

Hi Emily,

I see you made one little mistake.
When reading number 4 of the OSCAR procedure:

4) After the above requirements have been met, the organization or organizations which are the builders/owners of the spacecraft must request that AMSAT-NA assign a consecutive OSCAR number to the spacecraft as follows:

This is not AMSAT-India.
The builder and owner of HAMSAT is ISRO (India Space Research Organisation)
I can not imagine that they will name the HAMSAT "VO-52"

On Monday I will check this with the ISRO chairman and ask him to do the official procedure.
I know there are many misunderstandings in the world about HAMSAT, and I only try to get them right, and keep those bad willing hams out of it.

My kind regards
73,
PE1RAH
William

>William PE1RAH wrote,
>
> >I am trying to find out who gave HAMSAT the name VO-52 ???
> >Anybody knows ???
>
>OSCAR designations is a copyrighted process that was started by Project
>OSCAR (of which I am vice-president) and in 1969 Project OSCAR legally
>transferred this authority to AMSAT as a governing body. OSCAR numbers can
>only be given out by AMSAT, and there is a formal procedure to apply for an
>OSCAR number. The procedure is well documented and posted in the FAQ
>section of the AMSAT website:
>http://www.amsat.org/amsat-new/information/faqs/numbers.php
>
>The request must be made by an organization (in this case
>AMSAT-India). Individuals involved in building a satellite are not
>considered to have standing nor are people who contribute money, regardless
>of the amount. Only the organization can ask for an OSCAR number, and only
>an organization can suggest it's OSCAR designator prefix. Individual
>components (ie, a transponder) are not given numbers - only satellites are
>given OSCAR numbers (even if the amateur portion of the satellite is a
>secondary payload.)

>
>Before I posted the name VO-52 to the AMSAT website I verified the
>authority of the messages and assignment.
>
>73,
>
>Emily
>

MSN Search, for accurate results! http://search.msn.nl

190. Re: [eu-amsat] Digest Number 81

Yahoo group: eu-amsat
Date: 2005-05-14 16:43:32 UTC
From: Emily Clarke
Topic: 190 Message: 190

William wrote:

At 10:33 AM 5/14/2005 +0000, you wrote:
>I see you made one little mistake.
>When reading number 4 of the OSCAR procedure:
>
>4) After the above requirements have been met, the organization or
>organizations which are the builders/owners of the spacecraft must request
>that AMSAT-NA assign a consecutive OSCAR number to the spacecraft as
>follows:
>
>This is not AMSAT-India.
>The builder and owner of HAMSAT is ISRO (India Space Research Organisation)
>I can not imagine that they will name the HAMSAT "VO-52"

[Note: What I post here is not any official AMSAT statement. It is only my personal feelings about the matter of William's concern.]

While you may have been working with ISRO, it is not clear here in the US if they were contracted, if they are simply the launch services provider or if they are the builder/owner of record. I doubt that AMSAT will want to get embroiled in any internal political debate in India, especially one of a long historical nature.

Here is what I know. The request was made by the person who is the head of the organization recognized by AMSAT as our Indian partner. That recognition was made last year by the President of AMSAT in a formal meeting. I was surprised as anyone that the satellite was commissioned so quickly after launch and I was also surprised the OSCAR designation came so quickly. So knowing the history of this project, before I posted anything on the web I questioned everything and double-checked the facts. I went farther and asked "Are you sure?" When I was assured the information was correct only then did I make the appropriate changes.

I don't want to dismiss your concerns lightly, but in this particular matter neither you nor I have any authority. If ISRO wants to protest by all means they should. Although I personally feel it is highly unlikely that AMSAT would change an OSCAR number, I suppose anything is possible.

One other note of caution that you should consider. While you may think there are only two possibilities (keep it or change it) there is a third possibility you should consider. If the satellite is owned and operated by ISRO, which as I understand it is a state run commercial enterprise, there is also a possibility that if the number is challenged it could be recalled while a more thorough investigation is held. So be careful what you wish for - it may not have the outcome you expect.

73,

Emily

191. Re: Digest Number 81

Yahoo group: eu-amsat
Date: 2005-05-14 19:16:37 UTC
From: Allan Copland
Topic: 190 Message: 191

Hi,

Perhaps Emily may wish to read some of the Indian Newspapers which covered the launch of HAMSAT.

Since Hamsat is an Indian satellite, built, paid for and launched by ISRO, I doubt if it matters a great deal what AMSAT HQ wishes to call it so long as the ITU is satisfied. At the end of the day, ISRO and William Leijenaar have done a grand job on this bird and we should all be thankful that at last we have a useful linear LEO although personally I'd prefer UP / 10 down, just like the good old days of the RS birds.

A 2UP / 10 down linear transponder bird might be a more appropriate technology for the developing world who of course have many radio amateurs who lack the money and resources to use 70Cms/2m transponders. Perhaps AMSAT might wish to consider the needs of the developing world a little more when planning some of their future projects.

73 Al.
GM1SXX

192. Hamsat mode question

Yahoo group: eu-amsat
Date: 2005-05-15 05:12:51 UTC
From: Larry Fields,n6hpx/du1
Topic: 192 Message: 192

Question about the modes of this satellite. I recall somewhere on one of the info sites the question came up about using FM. Is this available or is it strickly SSB/CW.

Larry Fields, n6hpx/du1 seattle

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n6hpx@... , www.qrz.com/n6hpx
9253309893@...
==========
Radios: icom 706mk2,icom 730
n6hpx/du1
Bacoor,CAVITE Philippines
==========
us merchant mariner 28 yrs
member:ARRL,GRDXC,6m,AMSAT
QSL'S: CHU,NMN,ISS
Stations visited KTWR,FEBC,RFA,AWR
==========

193. Re: Hamsat mode question

Yahoo group: eu-amsat
Date: 2005-05-15 09:28:41 UTC
From: Allan Copland
Topic: 192 Message: 193

--- In eu-amsat@yahoogroups.com, "Larry Fields,n6hpx/du1" <n6hpx_du1@y...> wrote:

Hi Larry.

My understanding is that the bird is only intended for CW/SSB use. FM makes extremely inefficient use of a linear transponder.

I note that many sites providing information for HAMSAT have revised their statements to CW/SSB only.

FM is a lousy mode for satellite use thanks to capture effect. Whoever has the biggest signal 'wins' the transponder. This of course encourages operating practices contrary to those needed for good operation on linear transponders. By contrast, a linear transponder can support many concurrent mixed SSB/CW users and is a far more efficient use of resources.

I hope that helps you.

73
Al.
GM1SXX

194. Re: [eu-amsat] Re: Hamsat mode question

Yahoo group: eu-amsat
Date: 2005-05-15 15:26:34 UTC
From: Larry Fields,n6hpx/du1
Topic: 192 Message: 194

Ok Allan Thanks for the info I have only one rig that has SSB for 2m but do not have the 440 side. I have heard the AO27,AO51 and the ISS on FM but need to upgrade to a SSB rig. Possibly the icom 706mk2g. I have the 706mk2..
I will listen at least for the down link when I get back to Manila.

Larry Fields, n6hpx/mm
n6hpx/du1 www.qrz.com/n6hpx

Allan Copland <acopland@...> wrote:
--- In eu-amsat@yahoogroups.com, "Larry Fields,n6hpx/du1"
<n6hpx_du1@y...> wrote:

Hi Larry.

My understanding is that the bird is only intended for CW/SSB use.
FM makes extremely inefficient use of a linear transponder.

I note that many sites providing information for HAMSAT have revised
their statements to CW/SSB only.

FM is a lousy mode for satellite use thanks to capture effect.
Whoever has the biggest signal 'wins' the transponder. This of course
encourages operating practices contrary to those needed for good
operation on linear transponders. By contrast, a linear transponder
can support many concurrent mixed SSB/CW users and is a far more
efficient use of resources.

I hope that helps you.

73
Al.
GM1SXX

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To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
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---
n6hpx@... , www.qrz.com/n6hpx
9253309893@...

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==================================================================
Radios: icom 706mk2,icom 730
n6hpx/du1
Bacoor,CAVITE Philippines
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us merchant mariner 28 yrs
member:ARRL,GRDXC,6m,AMSAT
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Stations visited KTWR,FEBC,RFA,AWR
===================================================================
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195. Re: [eu-amsat] Re: Hamsat mode question

Yahoo group: eu-amsat
Date: 2005-05-15 19:15:30 UTC
From: SV1BSX
Topic: 192 Message: 195

Hi Larry,

keep in mind, for good satellite operation you need a "Full-Duplex" Rig.
As probably you know, on satellites you can transmit in the Uplink and the
same time
you can receive the DownLink. This is the best technique, in order to
control the Doppler-shift into your return signal into the DownLink.

As I know these Rigs, like 706, they have not "Full duplex"
Cross-Band capabilities between VHF-UHF or UHF-VHF.
It's more comfortable a second-hand RIG, like a Mobile All-Mode VHF
(or UHF) transceiver (or receiver) in co operation with your 706, in order
to cover the Mode-B for HamSat & AO-7 with UHF-Uplink & VHF-DownLink
and Mode-J for FO-29, with VHF-Uplink & UHF-DownLink. This setup you will
cover you also for the next HEO satellite P3Express (coming soon, into
2006).

This way, you have independent RIGs for your UpLink and Downlink,
so it's possible for example to transmit with your 706 in Uplink and
simultaneously you can listen the Downlink with the 2nd Rig
(and vice versa).

It's just my opinion that, but if you sell the 706MK2 and buy a new 706MK2G
your problem will not be solved. Unless you have both radios, ie the 706 MK2
for the Uplink and the 706MK2G for Downlink ! I
t's a possibility if you love it so much the 706 (hi)!

Hope that helps.

73, Mak SV1BSX

----- Original Message -----
From: "Larry Fields,n6hpx/du1" <n6hpx_du1@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, May 15, 2005 6:26 PM
Subject: Re: [eu-amsat] Re: Hamsat mode question

> Ok Allan Thanks for the info I have only one rig that has SSB for 2m
but do not have the 440 side. I have heard the AO27,AO51 and the ISS on FM
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> <n6hpx_du1@y...> wrote:
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196. Re: [eu-amsat] Re: Hamsat mode question

Yahoo group: eu-amsat
Date: 2005-05-15 20:53:09 UTC
From: Larry Fields,n6hpx/du1
Topic: 192 Message: 196

Thanks Mark for the info on the dual radios. My plan at the moment is to keep the Icom 706mk2 and in the near future when I get the other icom 706mk2g is to combine em the way that you mentioned. One for receive and the other for transmit. I have one dual type radio and its a little bit older rig. A Yaesu FT5200 similar to the 8800 and others has both frequencies displayed on the front at the same time which is good for the FM satellites and others. We have very few repeaters in the philippines so it spent most of its time on the local group which is PARA.
Will look into the plans for up grade soon.

Larry Fields, n6hpx/mm
n6hpx/du1 www.qrz.com/n6hpx

SV1BSX <sv1bsx@...> wrote:
Hi Larry,

keep in mind, for good satellite operation you need a "Full-Duplex" Rig.
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73, Mak SV1BSX

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Sent: Sunday, May 15, 2005 6:26 PM
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Bacoor,CAVITE Philippines
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us merchant mariner 28 yrs
member:ARRL,GRDXC,6m,AMSAT
QSL'S: CHU,NMN,ISS
Stations visited KTWR,FEBC,RFA,AWR
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197. Dutch Transponder..... for telemetry?

Yahoo group: eu-amsat
Date: 2005-05-17 15:10:31 UTC
From: Allan Copland
Topic: 197 Message: 197

Hi,

Does anyone know what the Dutch CW on HAMSAT sends? I have not copied it yet.
Perhaps it sends telemetry and I have missed an announcement.
It would be interesting to know.

73 de Al.
GM1SXX

198. Re: [eu-amsat] Dutch Transponder..... for telemetry?

Yahoo group: eu-amsat
Date: 2005-05-18 04:17:45 UTC
From: SV1BSX
Topic: 197 Message: 198

Hi Al and Group,

I was looking also for infos about Dutch Beacon, William (PE1RAH)
on his web-page wrote :
"CW pre-programmed message beacon on 145.860MHz. (~20mW)"
Just this info about CW message with 12 WPM, without more details.
But the "pre-programmed" refers to a "standard message", in any case
it is not the Telemetry output. I didn't found nothing more .

I wondering also about Telemetry, because we don't know anything about it,
but I
believe that probably it would be already "ON". I can't imagine a new
satellite
without telemetry.

So, if you take a look on electronic block-diagram which is published by
Amsat-India,
it's a "TM transmitter" between "Bus Electronic" and "VHF Hybrid coupler".
If the "TM" means TeleMetry, is obvious that the TM-Tx is independent from
both transponders.
Surely is into VHF, because the TM-tx output is going to VHF-coupler. In
any case
it would be very interesting to know the TX-frequency of telemetry emitter.

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, May 17, 2005 6:10 PM
Subject: [eu-amsat] Dutch Transponder..... for telemetry?

> Hi,
>
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> it yet.
> Perhaps it sends telemetry and I have missed an announcement.
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> 73 de Al.
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199. Re: Dutch Transponder..... for telemetry?

Yahoo group: eu-amsat
Date: 2005-05-19 08:46:37 UTC
From: Allan Copland
Topic: 197 Message: 199

> I wondering also about Telemetry, because we don't know anything
about it,
> but I
> believe that probably it would be already "ON". I can't imagine a
new
> satellite
> without telemetry.

It may well be the case that HAMSAT in common with some other birds only has the telemetry downlink enabled when in range of the control stations.

I'd surmise that this would mean switching from the Indian to the Dutch transponder then commanding the bird into a telemetry sending mode.

The Surrey built UoSAT2 does this at times. The normal computer generated downlink stops while data are uploaded to and downloaded from the bird as it overflies the command station. Admittedly UoSAT is somewhat different in that it sends telemetry more or less continually but the same sort of techniquie could be in use with HAMSAT.

The builders would need to know the battery charge state, power consumption and probably also the temperatures onboard.

Incidentally, I've been trying without success to find out more about the CPU used on board HAMSAT. Can any of the other members enlighten me about that?

73 de Al.
GM1SXX

200. Thanks

Yahoo group: eu-amsat
Date: 2005-05-20 13:48:33 UTC
From: Bill N
Topic: 200 Message: 200

Thanks for allowing me to join.

I have a FT-60R (2m and 70cm) that i can set up odd split and a omnidirectionial antenna. The other day i set the satellites frequencies up in a memory bank and let the HT continusoully scan that bank and go off when some satellites where close. I picked up some satellites and the ISS. The guys beside me had those arrow antennas and were firguring out times, azmuth and altitute. My HT would go off a minute or two before they could find one. All I did was set in my lounge chair and let my HT and omnidirectional antenna do the work...LOL It got to the point the Arrow guys would wait for mine to go off and ask me what frequency it went off and then pulled out there equipment.

My questions are:

What satellites can i pick up using a 2m and 70cm HT?

Can I pick up SSB and LSB with my FT-60R?

Is there a cheap way to convert the 2401.200 FM voice down of the AO-51 to my 2m/70cm HT?

Thanks so much....

Bill
KI4HPZ

Yahoo! Mail Mobile
Take Yahoo! Mail with you! Check email on your mobile phone.

201. Re: Thanks

Yahoo group: eu-amsat
Date: 2005-05-20 14:29:50 UTC
From: Allan Copland
Topic: 200 Message: 201

Hi Bill,

Welcome to the AMSAT-EU reflector. I hope you enjoy working the birds.

In answer to your questions..
> What satellites can i pick up using a 2m and 70cm HT?

Well, a good place to start is
www.amsat.org/amsat-new/satellites/status.php

There you will find detailed information on the status of the amateur satellites and also the modes used. It is a good port of call before monitoring for any particular birds because satellites are occasionally switched off or suffer CPU crashes, so its always good to check. The frequencies for the uplinks and downlinks of all the birds are listed there.

> Can I pick up SSB and LSB with my FT-60R?
The short answer to that I'm afraid is no, you cant. It's a plain FM set.

For various reasons, not least poor operating practices and the well known 'capture effect' where the strongest signal prevails, FM is a downright lousy mode of choice for satellite transponders. Still, for those with a handy that can operate cross-band duplex, it does offer limited scope to try satellite working.
With amateur satellites you transmit and receive simultaneously on two different bands. 70Cms up and 2M down for instance in the case of HAMSAT.

You also have to take doppler shift into account when working via satellites with linear (CW/SSB) transponders but that is beyond the scope of this email.

You do NOT have to spend huge sums of money to work satellites.
Second hand amateur gear can be very useful here. I have a yaesu FT290 (with a MUTEK front end fitted) and an FT790 which feed modest linears in my attic space.
My radios are now very old and there are better multimode radios available second hand for reasonable cost.

The antennas I use , a pair of very modest ZL special yagis (Moonraker UK) are mounted on a small rotator and pitched upward at 15 degrees elevation. They are ordinary linearly polarised yagis.
They are just mounted on a simple wooden cross beam. Modest, yes, but they work. My linears are a pair of EBay specials for 2M and 70Cms

bands and the larger of the two is rated at 30watts.

The biggest mistake made by beginners (and some seasoned operators) is the use of excessive uplink power. Make sure your receive system is adequate for the job. If you cant hear em, you cant work em!

You will find many references to circular polarisation (CP) in satellite books. Over the years I've tried a variety of CP antennas and have always gone back to using ordinary linearly polarised ones. The benefits of CP are greatly exaggerated IMHO. A satellite signal can ONLY be true CP down the boresight of the antenna. At ALL other angles (and thats almost all the time!), it is NOT CP, ergo my use of ordinary antennas.

I also have a small home made slim-jim (made from some 450R feeder stuffed into a piece of sink waste) on a small bracket on the outside wall of the shack. With this I can easily copy the downlink from the new HAMSAT bird at excellent strength.

You dont need large expensive installations to work most birds.

Please have a look at K5OE's website (websearch for K5OE).
Jerry has developed some interesting methods for working from restricted locations.

> Is there a cheap way to convert the 2401.200 FM voice down of the AO-51 to my 2m/70cm HT?
>
Well, yes, if you are handy with electronic gear, you can modify and old 2.8Ghz cable TV LNB to operate on 2400Mhz. Often you can get away with simply swapping the local oscillator xtal for a new one.
Drake and other makes of converters can be tweaked for 2400Mhz satelliye downlinks. Just take GREAT care never to TX into them though!
Try david G0MRF's website and also a search for Drake 2880.

I hope this helps answer some of your queries.

Kind Regards,
Al.
GM1SXX

> Thanks so much....
>
> Bill
> KI4HPZ

202. Re: [eu-amsat] Re: Thanks

Yahoo group: eu-amsat
Date: 2005-05-20 14:52:15 UTC
From: Bill N
Topic: 200 Message: 202

Thanks,

I am not handy at electronics or putting things together. Is there a system put together that I can purchase at a decent price for the 2401 to 2m / 70 cm conversion?

I use the 70cm omidirectioinal antenna (SQ-432) for 29.95 at http://ku4ab.com/_wsn/page2.html

It picks up and transmits two meter surprising well too, hit distance 2m repeater extreamly well...I just put it in a tree....only 4" by 8" . I could mount it on my head. lol

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Bill
KI4HPZ

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203. RE: [eu-amsat] Re: Thanks

Yahoo group: eu-amsat
Date: 2005-05-20 15:07:29 UTC
From: Allan Copland
Topic: 200 Message: 203

Hi Bill,

I believe there must be some ready converted units for sale. If I find any, I'll get back to you off-reflector.

73 Al.

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com]On Behalf Of Bill N
Sent: 20 May 2005 15:52
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Re: Thanks

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They are just mounted on a simple wooden cross beam. Modest, yes, but they work. My linears are a pair of EBay specials for 2M and 70Cms bands and the larger of the two is rated at 30watts.

The biggest mistake made by beginners (and some seasoned operators) is the use of excessive uplink power. Make sure your receive system is adequate for the job. If you cant hear em, you cant work em!

You will find many references to circular polarisation (CP) in satellite books. Over the years I've tried a variety of CP antennas and have always gone back to using ordinary linearly polarised ones. The benefits of CP are greatly exaggerated IMHO. A satellite signal can ONLY be true CP down the boresight of the antenna. At ALL other angles (and thats almost all the time!), it is NOT CP, ergo my use of ordinary antennas.

I also have a small home made slim-jim (made from some 450R feeder stuffed into a piece of sink waste) on a small bracket on the outside wall of the shack. With this I can easily copy the downlink from the new HAMSAT bird at excellent strength.

You dont need large expensive installations to work most birds.

Please have a look at K5OE's website (websearch for K5OE).
Jerry has developed some interesting methods for working from restricted locations.

> Is there a cheap way to convert the 2401.200 FM voice down of the AO-51 to my 2m/70cm HT?
>

Well, yes, if you are handy with electronic gear, you can modify and
old 2.8Ghz cable TV LNB to operate on 2400Mhz. Often you can get away
with simply swapping the local oscillator xtal for a new one.
Drake and other makes of converters can be tweaked for 2400Mhz
satelliye downlinks. Just take GREAT care never to TX into them
though!
Try david G0MRF's website and also a search for Drake 2880.

I hope this helps answer some of your queries.

Kind Regards,
Al.
GM1SXX

> Thanks so much....
>
> Bill
> KI4HPZ

Bill
KI4HPZ

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Yahoo! Mail - Find what you need with new enhanced search. Learn
<http://us.rd.yahoo.com/evt=29917/*http://info.mail.yahoo.com/mail_250> more.

Yahoo! Groups Links

* To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

* To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com
<mailto:eu-amsat-unsubscribe@yahoogroups.com?subject=Unsubscribe>

* Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
<http://docs.yahoo.com/info/terms/> .

204. Hamsat confusion.

Yahoo group: eu-amsat
Date: 2005-05-20 15:14:56 UTC
From: Allan Copland
Topic: 204 Message: 204

Some confusion seems to exists regarding the person or group responsible for the HAMSAT satellite.

Since the IARU are the agency responsible for the frequency co-ordination and clearance process for new satellites, the reader is advised to check the following webpage for cleared satellite projects including HAMSAT.

www.amsat.org.uk/iaru/finished_detail.asp?serial=30

Regards,

Allan Copland
GM1SXX

205. Newbie ?

Yahoo group: eu-amsat
Date: 2005-05-20 16:53:42 UTC
From: Bill N
Topic: 205 Message: 205

Here is FO-29 data

Analog Uplink146.000 to 145.900 MHz CW/LSBAnalog downlink435.800 to 435.900 MHz CW/USBBeacon435.795 MHz (normally CW telemetry)Digital Uplink145.850, 145.870, 145.910 MHz FMDigital Downlink435.910 MHz 1200 baud BPSK or 9600 baud FSKDigitalker435.910 MHz FMLaunched17 August 1996

Does this info mean my HT can not talk or receive signal? If it can what freqs should i use for unload and download

Bill
KI4HPZ

Yahoo! Mail
Stay connected, organized, and protected. Take the tour

206. RE: [eu-amsat] Newbie ?

Yahoo group: eu-amsat
Date: 2005-05-20 19:08:56 UTC
From: Allan Copland
Topic: 205 Message: 206
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Bill.
Contact me off-reflector at gm1sxx@...

Thanks
Al.

-----Original Message-----
From: eu-amsat@yahoogroups.com on behalf of Bill N
Sent: Fri 20/05/2005 17:53
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Newbie ?

Here is FO-29 data

Analog Uplink146.000 to 145.900 MHz CW/LSBAnalog downlink435.800 to 435.900 MHz CW/USBBeacon435.795 MHz (normally CW telemetry)Digital Uplink145.850, 145.870, 145.910 MHz FMDigital Downlink435.910 MHz 1200 baud BPSK or 9600 baud FSKDigitalker435.910 MHz FMLaunched17 August 1996

Does this info mean my HT can not talk or receive signal? If it can what freqs should i use for unload and download

Bill
KI4HPZ

Yahoo! Mail
Stay connected, organized, and protected. Take the tour

207. Re: [eu-amsat] Dutch Transponder..... for telemetry?

Yahoo group: eu-amsat
Date: 2005-05-22 22:01:52 UTC
From: William Leijenaar
Topic: 197 Message: 207

Hi,

The HAMSAT gives only telemetry to the ISRO groundstation on none ham frequencies.
ISRO use it to check the status and to switch on/off the transponders and change attitude when needed.

The telemetry will only be activated by ISRO groundstation and is not for public use.
The frequencies are secret and only for ISRO.

73 pe1rah
William

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] Dutch Transponder..... for telemetry?
>Date: Wed, 18 May 2005 07:17:45 +0300
>
> Hi Al and Group,
>
> I was looking also for infos about Dutch Beacon, William (PE1RAH)
>on his web-page wrote :
>"CW pre-programmed message beacon on 145.860MHz. (~20mW)"
>Just this info about CW message with 12 WPM, without more details.
>But the "pre-programmed" refers to a "standard message", in any case
>it is not the Telemetry output. I didn't found nothing more .
>
> I wondering also about Telemetry, because we don't know anything about
>it,
>but I
>believe that probably it would be already "ON". I can't imagine a new
>satellite
>without telemetry.
>
> So, if you take a look on electronic block-diagram which is published by
>Amsat-India,
>it's a "TM transmitter" between "Bus Electronic" and "VHF Hybrid coupler".
>If the "TM" means TeleMetry, is obvious that the TM-Tx is independent from
>both transponders.
> Surely is into VHF, because the TM-tx output is going to VHF-coupler. In
>any case
>it would be very interesting to know the TX-frequency of telemetry emitter.
>

>73, Mak SV1BSX
>
>
>
>----- Original Message -----
>From: "Allan Copland" <acopland@...>
>To: <eu-amsat@yahoogroups.com>
>Sent: Tuesday, May 17, 2005 6:10 PM
>Subject: [eu-amsat] Dutch Transponder..... for telemetry?
>
>
> > Hi,
> >
> > Does anyone know what the Dutch CW on HAMSAT sends? I have not copied
> > it yet.
> > Perhaps it sends telemetry and I have missed an announcement.
> > It would be interesting to know.
> >
> > 73 de Al.
> > GM1SXX
> >
> >
> >
> >
> >
> >
> >
> > Yahoo! Groups Links
> >
> >
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>
>_____
>Do You Yahoo!?
>????????? ?? ?????? @... ????????? ??? ??? http://www.otenet.gr

_____
Play online games with your friends with MSN Messenger
http://messenger.msn.nl/

208. Re: [eu-amsat] Dutch Transponder..... for telemetry?

Yahoo group: eu-amsat
Date: 2005-05-22 22:04:40 UTC
From: William Leijenaar
Topic: 197 Message: 208

Hi,

About my beacon: Its pre-pogrammed.
What it sends ??? When you know CW you can decode it :P

Telemetry from my transponder ???
No telemetry from any of both transponders... propably some wrong statement again from hams that claim to be invloved in the HAMSAT project but actually didn't.

73
PE1RAH
William

_____
Play online games with your friends with MSN Messenger
http://messenger.msn.nl/

209. Re: Newbie ?

Yahoo group: eu-amsat
Date: 2005-05-23 13:32:18 UTC
From: Allan Copland
Topic: 205 Message: 209

--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
>
> Here is FO-29 data
>
Hi Bill, could I suggest you read some of the introductory material on the AMSAT-NA website.
Try http://www.amsat.org/amsat/features/ymzintro.html

Your handie is not suitable for satellite work because none of the satellites transmit and receiver in the same frequency band.

If you plan to upgrade for satellite operation, I'd advide you to read everything you can about satellites and especially on good operating practices. The AMSAT-NA and many other AMSAT websites have a wealth of information for the necomer. There are also a number of good publications available from the AMSAT store.

Kind Regards,
Allan Copland
GM1SXX

210. Re: [eu-amsat] Re: Newbie ?

Yahoo group: eu-amsat
Date: 2005-05-23 14:05:11 UTC
From: Bill N
Topic: 205 Message: 210

I have that document. Tons of those birds are dead meat..LOL

They should update it every few months or bi yearly...

Thanks

Allan Copland <acopland@...> wrote:
--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
>
> Here is FO-29 data
>
Hi Bill, could I suggest you read some of the introductory material on
the AMSAT-NA website.
Try http://www.amsat.org/amsat/features/ymzintro.html

Your handie is not suitable for satellite work because none of the
satellites transmit and receiver in the same frequency band.

If you plan to upgrade for satellite operation, I'd advide you to read
everything you can about satellites and especially on good operating
practices. The AMSAT-NA and many other AMSAT websites have a wealth
of information for the necomer. There are also a number of good
publications available from the AMSAT store.

Kind Regards,
Allan Copland
GM1SXX

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Bill
KI4HPZ

Do you Yahoo!?
Read only the mail you want - Yahoo! Mail SpamGuard.

211. Re: Newbie ?

Yahoo group: eu-amsat
Date: 2005-05-23 14:56:09 UTC
From: Allan Copland
Topic: 205 Message: 211

--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
> I have that document. Tons of those birds are dead meat..LOL
> They should update it every few months or bi yearly...

I agree Bill. It would be nice to have 100% up-to-date information at all times. Do you want to take on the job? Its thankless and you won't get paid for your efforts.
You can contact AMSAT via their web site if you feel that you could help. Please remember that the people who write these things do it in their own time and do not get paid for the privilege.

Irrespective of the fact that some material is out of date, it does not detract from its usefulness to the beginner. The techniques and operating procedures are still valid for many other birds.

You *can* however find an up to date satellite status list at..

http://www.amsat.org/amsat-new/satellites/status.php

73 Al.
GM1SXX

212. MAR 31570 CPU

Yahoo group: eu-amsat
Date: 2005-05-23 20:21:32 UTC
From: Allan Copland
Topic: 212 Message: 212

Hi,

Since the launch of HAMSAT I've been trying to find out more about the MAR 31570 CPU use on board. It turns out that the Mars-Express spacecraft uses the same model of CPU. Its not at all common and appears to be a radiation hardened (RAD-HARD) CPU made by GEC for space applications.

You can see more of how the CPU is connected within the spacecraft in the \photos\PE1RAH folder where I placed William's drawing of the onboard systems. As you will all no doubt know by now, the satellite uses commercial uplinks and downlinks outside the amateur radio bands to handle command and control which of course explains why we have not heard any telemetry data from this particular bird.

It may be disappointimg for some (myself included) not to have any telemetry to analyse but at least we now know why.

73 Al.
GM1SXX
Paisley, Scotland

213. HAMSAT Block Diagram

Yahoo group: eu-amsat
Date: 2005-05-23 21:12:36 UTC
From: Allan Copland
Topic: 213 Message: 213

Hi,

For those with an interest, a block diagram of the various systems onboard HAMSAT are available in the \photos\PE1RAH folder whwre I placed it.

Kind Regards,
Al.
GM1SXX

214. This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 15:30:59 UTC
From: Bill N
Topic: 214 Message: 214

I am programming my HT for for odd split pairs toniught for ECHO.

Downlink / Uplink

436.310 145.920 PL-67 AOS
436.305 145.920 PL-67
436.300 145.920 PL-67 Mid Pass
436.295 145.920 PL-67
436.290 145.920 PL-67 LOS

Not sure of how you handle the doppler shifts with PL-Tones for the uplink. If above the correct odd split or below. Or am I showing ignorance again...LOL

436.310 145.915 PL-67 AOS
436.305 145.920 PL-67
436.300 145.920 PL-67 Mid Pass
436.295 145.920 PL-67
436.290 145.925 PL-67 LOS

Thanks

Bill
KI4HPZ

Do You Yahoo!?
Yahoo! Small Business - Try our new Resources site!

215. RE: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 18:01:02 UTC
From: Allan Copland
Topic: 214 Message: 215
Attachments: 1 described; binary payloads are missing from this source WARC

HiBill,

I've never worked Echo but it looks sensible to me.
Best of luck with your setup.

Incidentally, you dont say what sort of antenna you are using but have you looked at the Arrow satellite antenna? Its basically a dual band hand held yagi made specially for satellite work.

Regards,
Al.

-----Original Message-----
From: eu-amsat@yahoogroups.com on behalf of Bill N
Sent: Tue 24/05/2005 16:30
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] This Afternoon

I am programming my HT for for odd split pairs toniught for ECHO.

Downlink / Uplink

436.310 145.920 PL-67 AOS
436.305 145.920 PL-67
436.300 145.920 PL-67 Mid Pass
436.295 145.920 PL-67
436.290 145.920 PL-67 LOS

Not sure of how you handle the doppler shifts with PL-Tones for the uplink. If above the correct odd split or below. Or am I showing ignorance again...LOL

436.310 145.915 PL-67 AOS
436.305 145.920 PL-67
436.300 145.920 PL-67 Mid Pass
436.295 145.920 PL-67
436.290 145.925 PL-67 LOS

Thanks

Bill
KI4HPZ

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216. RE: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 18:08:21 UTC
From: Allan Copland
Topic: 214 Message: 216
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Bill,

have you checked out the page at..
http://www.amsat.org/amsat-new/echo/EchoHT.php

It looks useful for users of Echo.

73 Al.
GM1SXX

217. RE: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 18:16:41 UTC
From: Bill N
Topic: 214 Message: 217

I use the 70cm omidirectioinal antenna (SQ-432) for 29.95 at
http://ku4ab.com/_wsn/page2.html

A few weeks back when i with Arrow guys my antenna picked up the signals and was loulder.
It is a 70cm, but picked up 2m just as good...I put it in a tree, 4 x 7 inches...

Allan Copland <acopland@...> wrote:
Hi Bill,

have you checked out the page at..
http://www.amsat.org/amsat-new/echo/EchoHT.php

It looks useful for users of Echo.

73 Al.
GM1SXX

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com

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Bill
KI4HPZ

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http://mail.yahoo.com

218. Re: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 23:14:37 UTC
From: SV1BSX
Topic: 214 Message: 218

Bill,

I don't know if your typeset on keyboard is wrong or you have read wrong frequencies, but the DownLink of AO-51 is 435.300 ?Doppler AND NOT 436.300 !!!

About the "step", it's OK your programming.
If you want something more flexible, I suggest you a combination of both examples:

435.310 145.915 PL-67 AOS
435.310 145.920 PL-67
435.305 145.920 PL-67
435.300 145.920 PL-67 Mid Pass
435.295 145.920 PL-67
435.290 145.920 PL-67
435.290 145.925 PL-67 LOS

..that because, it is necessary the ?5KHz Doppler-shift in the VHF-UPLINK, just the
first (& last) 1-2 minutes, very close to AOS & LOS. I noticed that, when the satellite
is higher than 10-15?, I have access on it with stable tuning Uplink (145.920 MHz).

Finally, keep in mind, AO-51 is not always active on V-U Mode. These days is
QRV on V/S mode (Uplink VHF - DownLink S-band 2.4 GHZ).
The V/U-Mode will be open again between May 26-31, 2005 (for details take a look on "AO-51's schedule page" of Amsat-NA).

Wish you good QSOs via AO-51.

73, Mak SV1BSX

----- Original Message -----
From: "Bill N" <bnix66@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, May 24, 2005 6:30 PM
Subject: [eu-amsat] This Afternoon

>
> I am programming my HT for for odd split pairs toniught for ECHO.
>
> Downlink / Uplink
>
> 436.310 145.920 PL-67 AOS

> 436.305 145.920 PL-67
> 436.300 145.920 PL-67 Mid Pass
> 436.295 145.920 PL-67
> 436.290 145.920 PL-67 LOS
>
> Not sure of how you handle the doppler shifts with PL-Tones for the uplink. If above the correct odd split or below. Or am I showing ignorance again...LOL
>
> 436.310 145.915 PL-67 AOS
> 436.305 145.920 PL-67
> 436.300 145.920 PL-67 Mid Pass
> 436.295 145.920 PL-67
> 436.290 145.925 PL-67 LOS
>
>
>
> Thanks
>
>
> Bill
> KI4HPZ
>
> ---
> Do You Yahoo!?
> Yahoo! Small Business - Try our new Resources site!

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

219. Re: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 23:41:45 UTC
From: Bill N
Topic: 214 Message: 219

Thanks, Alan and you have been very helpful.

--- SV1BSX <sv1bsx@...> wrote:
> Bill,
>
> I don't know if your typeset on keyboard is wrong
> or you have read wrong
> frequencies, but the DownLink of AO-51 is 435.300
> ?Doppler AND NOT
> 436.300 !!!
>
> About the "step", it's OK your programming.
> If you want something more flexible, I suggest you a
> combination of
> both examples:
>
>
> 435.310 145.915 PL-67 AOS
> 435.310 145.920 PL-67
> 435.305 145.920 PL-67
> 435.300 145.920 PL-67 Mid Pass
> 435.295 145.920 PL-67
> 435.290 145.920 PL-67
> 435.290 145.925 PL-67 LOS
>
> ..that because, it is necessary the ?5KHz
> Doppler-shift in the VHF-UPLINK,
> just the
> first (& last) 1-2 minutes, very close to AOS & LOS.
> I noticed that, when
> the satellite
> is higher than 10-15?, I have access on it with
> stable tuning Uplink
> (145.920 MHz).
>
> Finally, keep in mind, AO-51 is not always active
> on V-U Mode. These days
> is
> QRV on V/S mode (Uplink VHF - DownLink S-band 2.4
> GHZ).
> The V/U-Mode will be open again between May 26-31,
> 2005 (for details
> take a look on "AO-51's schedule page" of Amsat-NA).
>
> Wish you good QSOs via AO-51.

>
> 73, Mak SV1BSX
>
>
>
> ----- Original Message -----
> From: "Bill N" <bnix66@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Tuesday, May 24, 2005 6:30 PM
> Subject: [eu-amsat] This Afternoon
>
>
> >
> > I am programming my HT for for odd split pairs
> toniught for ECHO.
> >
> > Downlink / Uplink
> >
> > 436.310 145.920 PL-67 AOS
> > 436.305 145.920 PL-67
> > 436.300 145.920 PL-67 Mid Pass
> > 436.295 145.920 PL-67
> > 436.290 145.920 PL-67 LOS
> >
> > Not sure of how you handle the doppler shifts with
> PL-Tones for the
> uplink. If above the correct odd split or below. Or
> am I showing ignorance
> again...LOL
> >
> > 436.310 145.915 PL-67 AOS
> > 436.305 145.920 PL-67
> > 436.300 145.920 PL-67 Mid Pass
> > 436.295 145.920 PL-67
> > 436.290 145.925 PL-67 LOS
> >
> >
> >
> > Thanks
> >
> >
> > Bill
> > KI4HPZ
> >
> > ---------------------------------
> > Do You Yahoo!?
> > Yahoo! Small Business - Try our new Resources
> site!
>
>

>
> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam
> protection around
> http://mail.yahoo.com
>

Bill
KI4HPZ

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

220. Re: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 23:47:33 UTC
From: Bill N
Topic: 214 Message: 220

Anyway to create this at

http://www.turnpoint.net/wireless/cantennahowto.html

With this at

http://www.turnpoint.net/wireless/cantennahowto.html

to get the 2.5 cheap as possible...

Thanks

Bill
KI4HPZ

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

221. Re: [eu-amsat] This Afternoon

Yahoo group: eu-amsat
Date: 2005-05-24 23:51:32 UTC
From: Bill N
Topic: 214 Message: 221

Here is the second link...

http://www.moonblinkwifi.com/pd_cantenna.cfm

> http://www.turnpoint.net/wireless/cantennahowto.html
>
> With this at
>
> http://www.turnpoint.net/wireless/cantennahowto.html
>
> to get the 2.5 cheap as possible...
>
> Thanks
>
> Bill
> KI4HPZ
>
> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam
> protection around
> http://mail.yahoo.com
>

Bill
KI4HPZ

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

222. cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 07:16:36 UTC
From: Allan Copland
Topic: 222 Message: 222

Hi,

There are a multitude of simple 2.4Ghz DIY antenna designs out there.
Try http://qdg.sorbs.net/qdgant.htm
The same is true of antennae for the 1.3Ghz band.
Thick walled white PVC pipe makes a good support structure for helicals.
Rather than use wire (can be difficult to work with) I've had some
success with self-adhesive copper tape (intended for DIY circuit
manufacture).

One thing to remember is that the greater the gain of any anyenna, the
narrower the beamwidth of the antenna and this makes for more work
keeping it pointed. Aim for a happy compromise.

73 Al.
GM1SXX

223. Re: [eu-amsat] cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 10:23:30 UTC
From: Bill N
Topic: 222 Message: 223

Alan, is there a cheap downconverter - 2.4 to 2M?

Allan Copland <acopland@...> wrote:Hi,

There are a multitude of simple 2.4Ghz DIY antenna designs out there.
Try http://qdg.sorbs.net/qdgant.htm
The same is true of antennae for the 1.3Ghz band.
Thick walled white PVC pipe makes a good support structure for helicals.
Rather than use wire (can be difficult to work with) I've had some
success with self-adhesive copper tape (intended for DIY circuit
manufacture).

One thing to remember is that the greater the gain of any anyenna, the
narrower the beamwidth of the antenna and this makes for more work
keeping it pointed. Aim for a happy compromise.

73 Al.
GM1SXX

Yahoo! Groups Links

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http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Bill
KI4HPZ

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

224. Re: [eu-amsat] cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 10:58:23 UTC
From: Bill N
Topic: 222 Message: 224

11:40pm last night in eastern USA I heard someone chatting on AO-51. They were mobile but it was faint, barely hearable. Lasted about 40 seconds. I was using my 5 watt handheld. Is there a better time of year to work satellites? Right now it is not very appealing just to hear someone faintly throw out call signs to collect QSL cards. After field day I may give it up...LOL

Bill N <bnix66@...> wrote:
Alan, is there a cheap downconverter - 2.4 to 2M?

Allan Copland <acopland@...> wrote: Hi,

There are a multitude of simple 2.4Ghz DIY antenna designs out there.
Try http://qdg.sorbs.net/qdgant.htm
The same is true of antennae for the 1.3Ghz band.
Thick walled white PVC pipe makes a good support structure for helicals.
Rather than use wire (can be difficult to work with) I've had some
success with self-adhesive copper tape (intended for DIY circuit
manufacture).

One thing to remember is that the greater the gain of any anyenna, the
narrower the beamwidth of the antenna and this makes for more work
keeping it pointed. Aim for a happy compromise.

73 Al.
GM1SXX

Bill
KI4HPZ

Do You Yahoo!?
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http://mail.yahoo.com

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Bill
KI4HPZ

Do You Yahoo!?
Yahoo! Small Business - Try our new Resources site!

225. Re: cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 12:23:49 UTC
From: Allan Copland
Topic: 222 Message: 225

--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
> 11:40pm last night in eastern USA I heard someone chatting on AO-51. They were mobile but it was faint, barely hearable. Lasted about 40 seconds. I was using my 5 watt handheld.

Hi Bill,
Satellite working is generally considered to be a weak signal mode, although not in the same class as DX VHF and moonbounce. Thats half the fun of it. If you dont enjoy a challenge then maybe satellites are not for you. The FM birds are easy to work compared to most linear transponder satellites.

Omnis are not ideal satellite antennas although they will work after a fashion for the FM birds.
You should consider a small yagi (DIY even) or similar. There are plenty of designs for low cost, minimal effort DIY yagis on the WWW.

You'd be surprised at what can be done with plastic waste pipe, microbore heating tube and suchlike things.

73 de Al.
GM1SXX

226. Re: [eu-amsat] Re: cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 12:27:41 UTC
From: Bill N
Topic: 222 Message: 226

I will, thanks Allan

Allan Copland <acopland@...> wrote:--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
> 11:40pm last night in eastern USA I heard someone chatting on AO-51. They were mobile but it was faint, barely hearable. Lasted about 40 seconds. I was using my 5 watt handheld.

Hi Bill,
Satellite working is generally considered to be a weak signal mode, although not in the same class as DX VHF and moonbounce. Thats half the fun of it. If you dont enjoy a challenge then maybe satellites are not for you. The FM birds are easy to work compared to most linear transponder satellites.

Omnis are not ideal satellite antennas although they will work after a fashion for the FM birds.
You should consider a small yagi (DIY even) or similar. There are plenty of designs for low cost, minimal effort DIY yagis on the WWW.

You'd be surprised at what can be done with plastic waste pipe, microbore heating tube and suchlike things.

73 de Al.
GM1SXX

Yahoo! Groups Links

To visit your group on the web, go to:
http://groups.yahoo.com/group/eu-amsat/

To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

Bill
KI4HPZ

Do You Yahoo!?
Yahoo! Small Business - Try our new Resources site!

227. Re: [eu-amsat] Re: cheap antennas for 1.3 & 2.4Ghz

Yahoo group: eu-amsat
Date: 2005-05-25 12:58:52 UTC
From: Bill N
Topic: 222 Message: 227

Is the signal from S0-41, FO-29 and SO-50 decent for HT stuff?

Thanks

Bill
KI4HPZ

Do You Yahoo!?
Yahoo! Small Business - Try our new Resources site!

228. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2005-05-29 21:28:47 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 228

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /PE1RAH/PE1RAH_via_HM1_270505.mp3
Uploaded by : pe1rah <pe1rah@...>
Description : PE1RAH making many qso's via HAMSAT

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/PE1RAH/PE1RAH_via_HM1_270505.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

pe1rah <pe1rah@...>

229. Recommended for newcomers.

Yahoo group: eu-amsat
Date: 2005-05-30 11:36:46 UTC
From: Allan Copland
Topic: 229 Message: 229

Hi Folks.

For anyone new to the birds, I recommend listening to William
Leijenaar's audio file of HAMSAT QSO's.

It makes such a nice change from the sheer bedlam generally
encountered
on the FM birds.

You can find the recording in William's folder at..
http://groups.yahoo.com/group/eu-amsat/files/PE1RAH/

Kind Regards,
Al.
GM1SXX

230. Re: PE1RAH QSOs via HamSat

Yahoo group: eu-amsat
Date: 2005-05-29 22:51:33 UTC
From: SV1BSX
Topic: 230 Message: 230

> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the eu-amsat
> group.
>
> File : /PE1RAH/PE1RAH_via_HM1_270505.mp3
> Uploaded by : pe1rah <pe1rah@...>
> Description : PE1RAH making many qso's via HAMSAT
>

Hi William (and Group),

thanks for your recorded QSOs MP3 file via HamSat, I really enjoy it !

Excellent audio and signals, for about 7 minutes with a lot of QSOs
on a single pass over Europe ! FB !!!
BTW I noticed that, the Doppler is minimum, just a fine-tuning at the
beginning
of each QSO.

Pse give us few more details about your setup. Have you any
Doppler-autocorrection
system? Also tell us about your radios and antennas.

73, Mak SV1BSX

PS: I hope to meet you soon on HamSat !

231. Re: PE1RAH QSOs via HamSat

Yahoo group: eu-amsat
Date: 2005-05-30 21:44:24 UTC
From: pe1rah
Topic: 230 Message: 231

Hi AMSATs,

On the audio file I posted here I used my home station.
Its a FT847 with doppler correction by the hand (I don't like the
automatic PC correction).
Antenna's are 2m RHCP 10el. cross yagi and 70cm RHCP 17el. cross yagi.
I have about 25 meters of H-100 cable between my FT847 and antenna's.

For the uplink I used only 10W as it was more than enough for HAMSAT.
On the downlink I have a SP-2000 mast amplifier, that is in the mast
where it belongs and gives the good receive.

Satellite tracking is done by the good old Instant-Track. I still
didn't find any better windows version, so I stick to this fast and
good sat-tracker.

For the beginners: For satellite, better buy a good mast-pre-amp and
leave the PA for later :o)

73,
William
PE1RAH (Satman :o)

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
>
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the eu-amsat
> > group.
> >
> > File : /PE1RAH/PE1RAH_via_HM1_270505.mp3
> > Uploaded by : pe1rah <pe1rah@h...>
> > Description : PE1RAH making many qso's via HAMSAT
> >
>
>
> Hi William (and Group),
>
> thanks for your recorded QSOs MP3 file via HamSat, I really enjoy it !
>
> Excellent audio and signals, for about 7 minutes with a lot of QSOs
> on a single pass over Europe ! FB !!!
> BTW I noticed that, the Doppler is minimum, just a fine-tuning at the
> beginning

> of each QSO.
>
> Pse give us few more details about your setup. Have you any
> Doppler-autocorrection
> system? Also tell us about your radios and antennas.
>
>
> 73, Mak SV1BSX
>
> PS: I hope to meet you soon on HamSat !

232. Launch date for SSETI Express announced (G3VZV)

Yahoo group: eu-amsat
Date: 2005-05-31 08:08:04 UTC
From: Allan Copland
Topic: 232 Message: 232

Hi everyone.

We have just heard from ESA that the launch date for SSETI Express and the three cubesats UWE-1, Xi-V and NCube II has now been confirmed as Thursday August 25th 2005 with the next day 26th as a back-up.

Pre-launch keps are expected to become available within the next few weeks and will published as soon as possible.

The satellite has now completed all its pre-launch tests and is presently back in the cleanroom where everything is having a final checkout and where the cubesats are currently being "loaded"into their T-POD launchers.

Current plans show that the satellite will be packed and ready for despatch to the launch site during the last week of June.

The webcam http://sseti.gte.tuwien.ac.at/WSW4/webcam.htm remains available and other fotos and the integration logbook (27+MB) can be found at http://sseti.gte.tuwien.ac.at/WSW4/express_downloads.htm

SSETI Express will automatically downlink general telemetry at 9k6 on 70cms and it will also be possible for radio amateurs to request specific downloads. In addition it is planned that the 38k4 telemetry transmitter on 2.4GHz will also be available for amateur voice operation as a Mode U/S transponder after initial tests on the satellite have been completed.

Fingers crossed!

cheers
Graham G3VZV

233. Satellite Construction and testing

Yahoo group: eu-amsat
Date: 2005-06-01 19:58:28 UTC
From: Allan Copland
Topic: 233 Message: 233

Hi,

For anyone with an interest in the construction and testing of artificial Earth satellites, I can thoroughly recommend a trip to

http://sseti.gte.tuwien.ac.at/WSW4/express_downloads.htm

Here you will find a huge volume of material on the construction of SSETI Express, due for launch later this year.

As you may know, members of AMSAT-UK provided some of the space qualified hardware for this mission. The team provided their flight hardware ahead of schedule, somewhat unusual in the satellite world.

The website contains a fascinating photo diary of the construction and testing of SSETI Express in Adobe Acrobat (PDF) format. There is also a photo gallery available on this website.. also recommended.

It provides an excellent insght into the construction of small satellite systems.

The files on this site are *large* with a capital L and you will need a broadband connection. Dial-up is not really suitable.

SSETI Express was also featured in this months 'Radio Active' magazine.

73
Al.
GM1SXX

234. SETTI Express launch date

Yahoo group: eu-amsat
Date: 2005-06-02 07:34:33 UTC
From: SV1BSX
Topic: 234 Message: 234

The following was in the weekly news from RSGB:

The script of the weekly GB2RS News Sunday 5 June 2005
SSETI Express Launch Date Announced
The launch date for SSETI Express and three 'cubesats' has now been confirmed as 25 August, with the next day, the 26th, as a back-up. The satellite has now completed all its pre-launch tests and is presently back in the clean room where everything is having a final checkout and where the cubesats are being loaded into their launchers. Current plans show that the satellite will be packed and ready for despatch to the launch site during the last week of June. SSETI Express will automatically downlink general telemetry at 9K6 on 70cm and it will also be possible for amateurs to request specific downloads. It is planned that the 38K4 telemetry transmitter on 2.4GHz will also be available for amateur voice operation as a Mode U/S transponder after initial tests on the satellite have been completed. AMSAT-UK provided the 2.4GHz transmitter for the satellite and a presentation on SSETI Express will be given at the AMSAT-UK Space Colloquium to be held from 29 to 31 July at the University of Surrey in Guildford. All amateurs and SWLs are welcome to attend.

_____
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235. SSETI Express

Yahoo group: eu-amsat
Date: 2005-06-09 08:23:30 UTC
From: Allan Copland
Topic: 235 Message: 235

Due for launch on 25th August with the 26th as a backup, you can see SSETI Express in the clean room at

http://sseti.gte.tuwien.ac.at/WSW4/webcam.htm

The bird is also featured on the AMSAT-UK Website along with the UK team who constructed some of the satellite hardware.

73 Al.
GM1SXX

236. AO-7

Yahoo group: eu-amsat
Date: 2005-06-11 08:57:51 UTC
From: SV1BSX
Topic: 101 Message: 236

Hello to Group,

today morning I had a QSO with PH7PCF on AO-7/Mode-A. Then,
AO-7 continued the pass to Africa. Over Egypt (SU) I received an Italian
station
calling CQ on CW... anyway, nobody answered (as usual !) but I was
surprised,
the signal was strong from satellite till the AO-7 was over south Sudan
(ST).
Then I noticed that, if the satellite is over the cross-border between
Sudan, Congo &
Central Africa its an "open window" between my QTH and South Africa (ZS),
with
very low elevation, but may be workable via AO-7.

I wondering if someone of the "Sat-experts" here in the Group knows
somebody
active on Satellites from ZS-land for a possible sked. I have read about a
Ham which is
active on the birds, but I'm looking for him. The point to point distance
between
SV-ZS is about 7000 Km, seems to be a great challenge for a QSO via AO-7!

Bye and have a nice weekend

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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http://mail.yahoo.com

237. qrv on satellites

Yahoo group: eu-amsat
Date: 2005-06-14 06:03:58 UTC
From: nader omer
Topic: 237 Message: 237

hello to all sats lover
i wll be qrv from hzland with my new call sign -hz1nh- on all birds
AO-27-7-29-50-51-52 plus the ISS
i had 10 or more qsos last two weeks with europian station and i hope to have more
still i am waiting for my ssb radio so look at me on fm birds specially 51-50 -27
73 de nader... (st2nh_hz1nh)

Discover Yahoo!
Find restaurants, movies, travel & more fun for the weekend. Check it out!

238. Re: [eu-amsat] qrv on satellites

Yahoo group: eu-amsat
Date: 2005-06-14 08:01:06 UTC
From: SV1BSX
Topic: 237 Message: 238

..OK Nader, tks for updating.

How long time will you be there? (HZ-land)

I'm also very interesting for QSO with ST-land...
it's a "new one" for me.

73, Mak SV1BSX

----- Original Message -----
From: "nader omer" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, June 14, 2005 9:03 AM
Subject: [eu-amsat] qrv on satellites

> hello to all sats lover
> i wll be qrv from hzland with my new call sign -hz1nh- on all birds
> AO-27-7-29-50-51-52 plus the ISS
> i had 10 or more qsos last two weeks with europian station and i hope to
have more
> still i am waiting for my ssb radio so look at me on fm birds specially
51-50 -27
> 73 de nader... (st2nh_hz1nh)
>
>
> ---
> Discover Yahoo!
> Find restaurants, movies, travel & more fun for the weekend. Check it
out!

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http://mail.yahoo.com

239. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2005-06-15 08:43:52 UTC
From: gennadi Klevtsov
Topic: 101 Message: 239

Hello Makis,

there are many hams, whom I worked via satellites (AO-10, AO-13, AO-40).
ZS6JON, ZS6BTE, ZS6MG, ZS5LEE, ZS6JT, ZS6WB, ZS6ASP, ZS6BTE, ZS6TM.
The last 3 callsigns vere worked in 1995, but all anothe during 2000 - 2003.

Good luck,
Gene - ES1RF, genek@...

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Saturday, June 11, 2005 11:57
Subject: [eu-amsat] AO-7

> Hello to Group,
>
> today morning I had a QSO with PH7PCF on AO-7/Mode-A. Then,
> AO-7 continued the pass to Africa. Over Egypt (SU) I received an Italian
> station
> calling CQ on CW... anyway, nobody answered (as usual !) but I was
> surprised,
> the signal was strong from satellite till the AO-7 was over south Sudan
> (ST).
> Then I noticed that, if the satellite is over the cross-border between
> Sudan, Congo &
> Central Africa its an "open window" between my QTH and South Africa (ZS),
> with
> very low elevation, but may be workable via AO-7.
>
> I wondering if someone of the "Sat-experts" here in the Group knows
> somebody
> active on Satellites from ZS-land for a possible sked. I have read about
> a
> Ham which is
> active on the birds, but I'm looking for him. The point to point distance
> between
> SV-ZS is about 7000 Km, seems to be a great challenge for a QSO via AO-7!
>
>
> Bye and have a nice weekend
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx

>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
>
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>
> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com
>
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>
> Yahoo! Groups Links
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>
>
> _____ NOD32 1.1132 (20050607) Information _____
>
> This message was checked by NOD32 Antivirus System.
> http://www.nod32.com
>
>

240. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2005-06-15 10:02:11 UTC
From: SV1BSX
Topic: 101 Message: 240

..OK Gene, tks a lot for info !

Hope to CU soon on Sats.

73, Makis SV1BSX

----- Original Message -----
From: "gennadi Klevtsov" <genek@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, June 15, 2005 11:43 AM
Subject: Re: [eu-amsat] AO-7

>
> Hello Makis,
>
> there are many hams, whom I worked via satellites (AO-10, AO-13, AO-40).
> ZS6JON, ZS6BTE, ZS6MG, ZS5LEE, ZS6JT, ZS6WB, ZS6ASP, ZS6BTE, ZS6TM.
> The last 3 callsigns vere worked in 1995, but all anothe during 2000 -
2003.
>
> Good luck,
> Gene - ES1RF, genek@...
>
>
> ----- Original Message -----
> From: "SV1BSX" <sv1bsx@...>
> To: "EU-Amsat" <eu-amsat@yahoogroups.com>
> Sent: Saturday, June 11, 2005 11:57
> Subject: [eu-amsat] AO-7
>
>
> > Hello to Group,
> >
> > today morning I had a QSO with PH7PCF on AO-7/Mode-A. Then,
> > AO-7 continued the pass to Africa. Over Egypt (SU) I received an Italian
> > station
> > calling CQ on CW... anyway, nobody answered (as usual !) but I was
> > surprised,
> > the signal was strong from satellite till the AO-7 was over south Sudan
> > (ST).
> > Then I noticed that, if the satellite is over the cross-border
between
> > Sudan, Congo &
> > Central Africa its an "open window" between my QTH and South Africa
(ZS),
> > with

> > very low elevation, but may be workable via AO-7.
> >
> > I wondering if someone of the "Sat-experts" here in the Group knows
> > somebody
> > active on Satellites from ZS-land for a possible sked. I have read
about
> > a
> > Ham which is
> > active on the birds, but I'm looking for him. The point to point
distance
> > between
> > SV-ZS is about 7000 Km, seems to be a great challenge for a QSO via
AO-7!
> >
> >
> > Bye and have a nice weekend
> >
> > 73, Mak SV1BSX
> >
> > sv1bsx@...
> > http://www.qsl.net/sv1bsx
> >
> > LAN eMail-Server: This Email has been checked by NAV 2005
> > Virus Free
> >
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> >
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> >
> > _____
> > Do You Yahoo!?
> > Tired of spam? Yahoo! Mail has the best spam protection around
> > http://mail.yahoo.com
> >
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
> >
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> >
> >
> > _____ NOD32 1.1132 (20050607) Information _____
> >
> > This message was checked by NOD32 Antivirus System.
> > http://www.nod32.com
> >
> >

>
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>
> Yahoo! Groups Links
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>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

241. Mode S Doppler Shift

Yahoo group: eu-amsat
Date: 2005-06-15 11:18:18 UTC
From: Bill N
Topic: 241 Message: 241

Mode S doppler shift is +-50

Regular Mode is

435.310 145.915 PL-67 AOS
435.310 145.920 PL-67
435.305 145.920 PL-67
435.300 145.920 PL-67 Mid Pass
435.295 145.920 PL-67
435.290 145.920 PL-67
435.290 145.925 PL-67 LOS

What about mode S, Would there there be 5hz jumps?
Starting where? I know it is +-50.

Thanks

Bill
KI4HPZ

Discover Yahoo!
Stay in touch with email, IM, photo sharing and more. Check it out!
http://discover.yahoo.com/stayintouch.html

242. Re: [eu-amsat] Mode S Doppler Shift

Yahoo group: eu-amsat
Date: 2005-06-16 00:01:17 UTC
From: SV1BSX
Topic: 241 Message: 242

Hi Bill,

I've no experience with AO-51 on S-Band, but if the Downlink is 2401.200 (=
mid passband)
and the Doppler in S-band is about ?50 KHz (5 times to UHF-band doppler
shift),
I suppose that:

2401.250 - 435.310 - 145.915 PL-67
2401.225 - 435.305 - 145.920 PL-67
2401.200 - 435.300 - 145.920 PL-67 Mid Pass
2401.175 - 435.295 - 145.920 PL-67
2401.150 - 435.290 - 145.925 PL-67

If we extend the relative frequencies the table it could be:

2401.250 - 145.915 AOS
2401.245 - 145.915
2401.240 - 145.920
2401.235 - 145.920
2401.230 - 145.920
2401.225 - 145.920
2401.220 - 145.920
2401.210 - 145.920
2401.200 - 145.920 Mid Pass (TCA)
2401.190 - 145.920
2401.180 - 145.920
2401.175 - 145.920
2401.170 - 145.920
2401.165 - 145.920
2401.160 - 145.920
2401.155 - 145.925
2401.150 - 145.925 LOS

Finally, don't forget, the table above it's just my opinion - I have not any
experience
on S-band with AO-51.

Hope that helps

73, Mak SV1BSX

----- Original Message -----
From: "Bill N" <bnix66@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, June 15, 2005 2:18 PM
Subject: [eu-amsat] Mode S Doppler Shift

> Mode S doppler shift is +-50
>
> Regular Mode is
>
> 435.310 145.915 PL-67 AOS
> 435.310 145.920 PL-67
> 435.305 145.920 PL-67
> 435.300 145.920 PL-67 Mid Pass
> 435.295 145.920 PL-67
> 435.290 145.920 PL-67
> 435.290 145.925 PL-67 LOS
>
> What about mode S, Would there there be 5hz jumps?
> Starting where? I know it is +-50.
>
> Thanks
>
>
>
> Bill
> KI4HPZ
>
>
>
> ---
> Discover Yahoo!
> Stay in touch with email, IM, photo sharing and more. Check it out!
> http://discover.yahoo.com/stayintouch.html
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> Yahoo! Groups Links
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http://mail.yahoo.com

243. Off subject ... but here goes.

Yahoo group: eu-amsat
Date: 2005-06-16 15:05:17 UTC
From: Allan Copland
Topic: 243 Message: 243

Hi Folks,

Does anyone in the group know what the connectors used by HP in their spectrum analysers are called? They look a little like SMA's but are not threaded. These small RF push fit connectors are used in the HP Plug-ins to interconnect the units. They are also used on the rear accessory socket of my SA.

I ask because I need a couple of these connectors and I have no idea what they are called! My Internet searches have not helped either.

Can anyone help with some info please?

Thanks & 73
Al.
GM1SXX

244. My portable OSCAR antenna on internet

Yahoo group: eu-amsat
Date: 2005-06-19 09:46:41 UTC
From: William Leijenaar
Topic: 244 Message: 244

Hi AMSATs,

After many requests from newcommers on satellite I made a webpage which shows my homebrew portable OSCAR antenna.

This antenna already has proven to be good. It has been used some 4 years ago on my travel through Europe, together with Dirk ex.ON1DLL (now ON5GS).

We made satellite contacts from every country we visited.
The antenna is constructed in a way that the longest part when disassemble is 54cm. This size is perfect to put under, or on top of a pack-pack for globe trekking.
The construction is strong enough to survive heavy weight or people who accidentaly put their feet on the elements (when disassembled)

The gamma match is also protected, as the small capacitor is placed inside a protective square rod.

Just go to the following webpage and see yourself :o)

From my main index:
http://www.qsl.net/pe1rah

Or directly to the antenna:
http://www.qsl.net/pe1rah/port_oscar_ant.htm

73
William
PE1RAH
---

245. Re: [eu-amsat] My portable OSCAR antenna on internet

Yahoo group: eu-amsat
Date: 2005-06-20 19:26:04 UTC
From: SV1BSX
Topic: 244 Message: 245

Hi William,

sorry but always I have problem with your pictures in your pages
(not downloaded all or most of the pics are corrupted).

I'm using IE6.0 under Win98 & XP, I tried with 3 different PCs
through my LAN and the problem remain the same.
I have problem only with your pages, I've never seen something similar
in other Web-pages.
I was looking inside the "source" of your page and it's really strange.
Probably you write that by using Word 9.0 (?). I think it's unusual
writing for a Web-page. Have you tried the Frontpage? It's excellent
for Web-design, making good and compatible "HTML" pages for all users.

73, Mak SV1BSX

----- Original Message -----
From: "William Leijenaar" <pe1rah@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, June 19, 2005 12:46 PM
Subject: [eu-amsat] My portable OSCAR antenna on internet

> Hi AMSATs,
>
> After many requests from newcommers on satellite I made a webpage
> which shows my homebrew portable OSCAR antenna.
>
> This antenna already has proven to be good. It has been used some 4
> years ago on my travel through Europe, together with Dirk ex.ON1DLL
> (now ON5GS).
>
> We made satellite contacts from every country we visited.
> The antenna is constructed in a way that the longest part when
> disassemble is 54cm. This size is perfect to put under, or on top of a
> pack-pack for globe trekking.
> The construction is strong enough to survive heavy weight or people
> who accidentaly put their feet on the elements (when disassembled)
>
> The gamma match is also protected, as the small capacitor is placed
> inside a protective square rod.
>
> Just go to the following webpage and see yourself :o)
>
> From my main index:
> http://www.qsl.net/pe1rah
>

> Or directly to the antenna:
> http://www.qsl.net/pe1rah/port_oscar_ant.htm
>
> 73
> William
> PE1RAH
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> Yahoo! Groups Links
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246. Re: My portable OSCAR antenna on internet

Yahoo group: eu-amsat
Date: 2005-06-21 07:35:27 UTC
From: Allan Copland
Topic: 244 Message: 246

Hi folks.
Mak said..
> sorry but always I have problem with your pictures in your pages
> (not downloaded all or most of the pics are corrupted).
> I'm using IE6.0 under Win98 & XP

This is an unusual and interesting problem. I looked directly at the antenna pages both from home and from work on both IE6/SP1 and Mozilla Firefox (my usual browser) and in all cases I could see the content of the pages with no problem. The pages are slow to load.. perhaps more to do with William's ISP than anything else.

As Mak mentioned, perhaps Frontpage would be a better authoring tool for these pages.

Kind Regards,
Allan Copland

247. VQ Log

Yahoo group: eu-amsat
Date: 2005-06-28 17:58:10 UTC
From: SV1BSX
Topic: 247 Message: 247

Hello to Group,

I'm using the VQLog for my Satellite logbook.

During the import of a new QSO, I 've notice that:
the program appears in few callsigns automatically the Grid-Square of
the new entry.
Probably these data including into the program. But sometimes this
Grid-square
is different with that I've received during the QSO and I wonder very often
if
my QRA reception is wrong !

Finally, Am I wrong (deaf listener, hi !) or the program is wrong?

I think Gena ES1RF here in the Group, running also this program...
any comment is welcome.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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http://mail.yahoo.com

248. Re: [eu-amsat] VQ Log

Yahoo group: eu-amsat
Date: 2005-06-29 07:58:17 UTC
From: gennadi Klevtsov
Topic: 247 Message: 248

Hi Makis,
sure, I am using VQLog for the several years and can tell you,
that this is the best logging program for VHF chasers, including Satellite
QSO.
Thanks to Gabriel, EA6VQ!
Yes, the program has own data base (VHF Database in the menu).
The data base is old enough. It was created by DL8EBW in 1998 and used in
VQLog, as a sample!!.
You can read that, when open menu: VHF Database->Access by callsign.
Of course, many people has change theirs QRA locators during 7 years,
and, of course, DL8EBW issued new database.
So you can update the database, then you will not have many problems.
I am using also Buckmasters CD ROM (2004), connected to my VQLog:
(Menu>Configuration>Callbook) and it gives more careful results.
But it has also some mistakes.
So, better to update database from DL8EBW and import new data to VQLog.

73! Gena-ES1RF

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Tuesday, June 28, 2005 20:58
Subject: [eu-amsat] VQ Log

> Hello to Group,
>
> I'm using the VQLog for my Satellite logbook.
>
> During the import of a new QSO, I 've notice that:
> the program appears in few callsigns automatically the Grid-Square of
> the new entry.
> Probably these data including into the program. But sometimes this
> Grid-square
> is different with that I've received during the QSO and I wonder very
> often
> if
> my QRA reception is wrong !
>
> Finally, Am I wrong (deaf listener, hi !) or the program is wrong?
>
> I think Gena ES1RF here in the Group, running also this program...
> any comment is welcome.
>
> 73, Mak SV1BSX
>

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>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com
>
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> Yahoo! Groups Links
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>
> _____ NOD32 1.1140 (20050614) Information _____
>
> This message was checked by NOD32 Antivirus System.
> http://www.nod32.com
>
>

249. Re: [eu-amsat] VQ Log

Yahoo group: eu-amsat
Date: 2005-06-30 09:16:23 UTC
From: SV1BSX
Topic: 247 Message: 249

...OK dr Gena,

Yes, I found the database that you described.

Tks for reply and Info.

73, Mak SV1BSX

----- Original Message -----
From: "gennadi Klevtsov" <genek@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, June 29, 2005 10:58 AM
Subject: Re: [eu-amsat] VQ Log

> Hi Makis,
> sure, I am using VQLog for the several years and can tell you,
> that this is the best logging program for VHF chasers, including Satellite
> QSO.
> Thanks to Gabriel, EA6VQ!
> Yes, the program has own data base (VHF Database in the menu).
> The data base is old enough. It was created by DL8EBW in 1998 and used in
> VQLog, as a sample!!.
> You can read that, when open menu: VHF Database->Access by callsign.
> Of course, many people has change theirs QRA locators during 7 years,
> and, of course, DL8EBW issued new database.
> So you can update the database, then you will not have many problems.
> I am using also Buckmasters CD ROM (2004), connected to my VQLog:
> (Menu>Configuration>Callbook) and it gives more careful results.
> But it has also some mistakes.
> So, better to update database from DL8EBW and import new data to VQLog.
>
> 73! Gena-ES1RF
>
>
> ----- Original Message -----
> From: "SV1BSX" <sv1bsx@...>
> To: "EU-Amsat" <eu-amsat@yahoogroups.com>
> Sent: Tuesday, June 28, 2005 20:58
> Subject: [eu-amsat] VQ Log
>
>
> > Hello to Group,
> >
> > I'm using the VQLog for my Satellite logbook.
> >
> > During the import of a new QSO, I 've notice that:

> > the program appears in few callsigns automatically the Grid-Square of
> > the new entry.
> > Probably these data including into the program. But sometimes this
> > Grid-square
> > is different with that I've received during the QSO and I wonder very
> > often
> > if
> > my QRA reception is wrong !
> >
> > Finally, Am I wrong (deaf listener, hi !) or the program is wrong?
> >
> > I think Gena ES1RF here in the Group, running also this program...
> > any comment is welcome.
> >
> > 73, Mak SV1BSX
> >
> >
> >
> >
> > sv1bsx@...
> > http://www.qsl.net/sv1bsx
> >
> > LAN eMail-Server: This Email has been checked by NAV 2005
> > Virus Free
> >
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> >
> > _____
> > Do You Yahoo!?
> > Tired of spam? Yahoo! Mail has the best spam protection around
> > http://mail.yahoo.com
> >
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> >
> > Yahoo! Groups Links
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> >
> > _____ NOD32 1.1140 (20050614) Information _____
> >
> > This message was checked by NOD32 Antivirus System.
> > http://www.nod32.com
> >
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> Yahoo! Groups Links
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http://mail.yahoo.com

250. 4L8A on Sats

Yahoo group: eu-amsat
Date: 2005-07-06 22:12:37 UTC
From: SV1BSX
Topic: 250 Message: 250

> Hello to Group,
>
> 4L8A was QRV today afternoon on FO-29 & AO-51 with excellent
> downlinks signal on both birds.
>
> Just watch the birds if you need the 4L prefix on LEOs... it was
> a "new-one" for me. Tks to Vaho (=operator).
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
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251. Re: [eu-amsat] 4L8A on Sats

Yahoo group: eu-amsat
Date: 2005-07-07 06:50:58 UTC
From: Jean-Jacques DE REY
Topic: 250 Message: 251

Verrry interesting ... thanks for info Mak and best 73s

Jean-Jacques ON7EQ
----- Original Message -----
From: SV1BSX
To: EU-Amsat
Sent: Thursday, July 07, 2005 12:12 AM
Subject: [eu-amsat] 4L8A on Sats

> Hello to Group,
>
> 4L8A was QRV today afternoon on FO-29 & AO-51 with excellent
> downlinks signal on both birds.
>
> Just watch the birds if you need the 4L prefix on LEOs... it was
> a "new-one" for me. Tks to Vaho (=operator).
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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Yahoo! Groups Links

252. Hamsat FM-QRM

Yahoo group: eu-amsat
Date: 2005-07-08 20:46:58 UTC
From: SV1BSX
Topic: 252 Message: 252

Hello to Group,

today night, during #957 orbit of HamSat (20:10-20:15 UTC), a strong
jamming recorded on downlink.
I had a CW-QSO with F6BEG, but was impossible to complete. On SSB-mode some
kind of distorted audio received on my speaker, something like CQ !
By pressing the FM switch "ON", I received an extremely STRONG, LOUD &
CLEAR signal in "pure" FM-narrow mode:

-"CQ CQ fm RU6JW" !!!!!!!!!!!!!!!!!!!!!

I don't know what is the situation here, but I wondering how is possible to
use
someone FM in this bird, the same time which several stations have QSOs
on SSB and CW.

Finally, is it the HamSat for mix-mode including FM or not?
If not, someone must be tell to this guy a few words about it.

73 and have a nice weekend (from HOT Athens / 35? C)

Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
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253. Re: [eu-amsat] Hamsat FM-QRM

Yahoo group: eu-amsat
Date: 2005-07-08 22:44:19 UTC
From: n6hpx/du1
Topic: 252 Message: 253

Here in the Philippines I have been getting interference as well from locals playing music and rebroadcasts of stations like DZMM or DZBB during the news programs. I tuned to 145.800 to see if I could catch the passes of ISS and heard other kinds of radio being transmitted. Wish they find another place to play

Larry Fields, n6hpx/du1

SV1BSX <sv1bsx@...> wrote:
Hello to Group,

today night, during #957 orbit of HamSat (20:10-20:15 UTC), a strong
jamming recorded on downlink.
I had a CW-QSO with F6BEG, but was impossible to complete. On SSB-mode some
kind of distorted audio received on my speaker, something like CQ !
By pressing the FM switch "ON", I received an extremely STRONG, LOUD &
CLEAR signal in "pure" FM-narrow mode:

-"CQ CQ fm RU6JW" !!!!!!!!!!!!!!!!!!!!!

I don't know what is the situation here, but I wondering how is possible to
use
someone FM in this bird, the same time which several stations have QSOs
on SSB and CW.

Finally, is it the HamSat for mix-mode including FM or not?
If not, someone must be tell to this guy a few words about it.

73 and have a nice weekend (from HOT Athens / 35? C)

Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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Yahoo! Groups Links

Maria Filipina,Kenneth and Maryellen Fields
---
n6hpx@...

==========
Radios: icom 706mk2,icom 730
n6hpx/du1
Bacoor,CAVITE Philippines
cell:63-9286022089 Cavite
cell:9253309893 usa
==========
us merchant mariner 28 yrs
member:ARRL,GRDXC,6m,AMSAT
QSL'S: CHU,NMN,ISS
Stations visited KTWR,FEBC,RFA,AWR
==========

Yahoo! Mail for Mobile
Take Yahoo! Mail with you! Check email on your mobile phone.

254. RE: [eu-amsat] Hamsat FM-QRM

Yahoo group: eu-amsat
Date: 2005-07-10 09:49:52 UTC
From: Allan Copland
Topic: 252 Message: 254
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mak.

Hamsat is a narrowband AM bird only. This was its intended purpose.
CW, SSB and narrowband modulation schemes only.

Remember that an AM (AKA 'linear'... with class AB amplifier stages) transponder will transpond anything t copies.... including FM of course.

I dont think the situation was helped by certain postings in the past suggesting it could be used for mixed modes.

As you have found out the hard way... AM and FM are incompatible. An FM transmission through a linear bird will always 'win' the transponder.

The modes are mutually incompatible.

73 Al.

-----Original Message-----
From: eu-amsat@yahoogroups.com on behalf of SV1BSX
Sent: Fri 08/07/2005 21:46
To: EU-Amsat
Subject: [eu-amsat] Hamsat FM-QRM

Hello to Group,

today night, during #957 orbit of HamSat (20:10-20:15 UTC), a strong
jamming recorded on downlink.
I had a CW-QSO with F6BEG, but was impossible to complete. On SSB-mode some
kind of distorted audio received on my speaker, something like CQ !
By pressing the FM switch "ON", I received an extremely STRONG, LOUD &
CLEAR signal in "pure" FM-narrow mode:

-"CQ CQ fm RU6JW" !!!!!!!!!!!!!!!!!!!!

257. SSETI leaves Estec HQ for Plesetsk launch site

Yahoo group: eu-amsat
Date: 2005-07-13 12:15:01 UTC
From: Allan Copland
Topic: 257 Message: 257

Hi Folks

The SSETI satellite has left ESTEC on its journey to the Archangel launch site (Northern Cosmodrome, Plesetsk).

You can read more at..

http://www.esa.int/esaCP/SEMPQH6DIAE_index_0.html

Regards,
Allan Copland
GM1SXX

258. Meteosat

Yahoo group: eu-amsat
Date: 2005-07-13 13:21:38 UTC
From: Allan Copland
Topic: 258 Message: 258

Hi Folks,

Does anyone in the group use the Meteosat Weather Satellite system?

I'm interested in concocting an antenna and front end for 1.691Ghz
that
I can use with my Icom PCR-1000 'virtual radio' to decode data from
this bird. I have a diy local oscillator on 1.152Ghz that could be
mixed with the satellite signal to give an IF around 539Mhz.
I'm thinking a long DIY RHCP helix feeding a gain stage and active
mixer might be a way to go.
Most folks would use a DISH with an RHCP feed and a 1691-136Mhz
downconverter but I dont have the space for a dish. Helicals are not
so good as a dish but can fit in a small garden.
I'm just interested to see what can be done with DIY equipment.

73 Al
GM1SXX

259. Dallas, KI4FUF

Yahoo group: eu-amsat
Date: 2005-07-13 13:23:59 UTC
From: Allan Copland
Topic: 259 Message: 259

Hi Dallas,

Welcome to the AMSAT-EU group. I hope you find some things of interest here.

Kind Regards,
Allan Copland
GM1SXX

260. Field Day & Mobile Setup For Satellite Tracking

Yahoo group: eu-amsat
Date: 2005-07-13 13:43:54 UTC
From: dallasrodgers2000
Topic: 260 Message: 260

FYI, I posted some photos of the setup we used to track satellites on Field Day, as well as a mobile setup we used to learn how to track and contact satellites. For Field Day, we used a modified dobsonian style telescope that I own. It worked great as a solid ALT/AZ platform, using the drive motors for ALT/AZ movement, or freewheeling by hand. We used printouts of the ALT/AZ headings in 30 sec. increments to track the satellites. I used ground board aligned with north and marked for each 10 degree azimuth heading, and used a cheap inclinomoeter available at a local DIY store. Antennae (2M/440 Yagi & 2.4GHZ) were mounted on two PVC pipes lashed to the truss assembly of the scope. Also included is the comparable mobile setup with the same basic capabilities. The radio we used was the ICOM 910H. Dallas Rodgers (KI4FUF)

http://photos.groups.yahoo.com/group/eu-amsat/lst?&.dir=/Field+Day+Satellite+Contact&.src=gr&.view=t&.url=http%3a//us.f1.yahoofs.com/groups/g_12861049/Field%2bDay%2bSatellite%2bContact/Telescope%2bFor%2bSats%2bDesign.jpg%3fbcb.x0xBDHs6s2nD&.cx=150&.cy=112&.type=u

261. Re: Dallas, KI4FUF

Yahoo group: eu-amsat
Date: 2005-07-13 19:15:01 UTC
From: dallasrodgers2000
Topic: 259 Message: 261

Hey Allan,
Fancy meeeting you here! I guess am. sats is a small world, or, am. sats make the world smaller. In any event. Thanks for the kind welcome and I look forward to learning from and sharing with this group. All the best. Dallas (KI4FUF)

--- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@r...> wrote:
> Hi Dallas,
>
> Welcome to the AMSAT-EU group. I hope you find some things of interest
> here.
>
> Kind Regards,
> Allan Copland
> GM1SXX

262. Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-14 17:40:26 UTC
From: OM0AAO Viliam
Topic: 262 Message: 262

Hi,

due the reconstruction of my house I am not QRV at present time on AO-7, but I finally got a transverter on 70cm. So, I have tried VO-52 but 2 watts into the DL7KM antenna is QRP...

... so I am looking for design of simple 13,8V transistored power amplifier which delivers at least 10 watts. Did anybody help me?

Thanks to Rene DJ1KM and Gerard F6BEG, my first stations on VO-52. Great bird!

73'Viliam, OM0AAO
administrator www.cq.sk

263. Re: [eu-amsat] Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-14 23:09:35 UTC
From: SV1BSX
Topic: 262 Message: 263

Hi Villiam,

I had the same problem, when my UHF-PA destroyed.

I have now a small PA, I bought it from eBay 2 months ago and if you
want I can send it you a foto with construction and diagram (15 Watts output
with 5 W input, by using the SD1429-03).

On the other hand, you can make easier a UHF-PA by using
a module. The module offers easy construction, high Gain
(from 50-100mW Input / 10-30 Watts or more output, depend on
the type) but is more expensive.

If you want my opinion, the module is better solution and the
higher price finally is not problem, because it's easier construction,
more flexible and if you follow the basic principles on UHF, the
unit is 100% workable. In contrast, the UHF transistors need
experience, PCB, good construction, good quality components and
surely from 2 to 10 Watts is not enough a single stage (you need a
transistor with 8-9 DB gain on UHF.... Hhmmmmm - difficult I think).
And sometimes, you have not the fate as you expect.

A good choise for UHF module is the RA30H4047M (30W), as John LA2QAA
suggested to me few months ago. May be is too much power for you, but with
that you have enough Power for any future bird, including the next P3E.

On AO-40 (the old good days!), 15 Watts and 10 Elements Yagi (11 dBd
theoreticaly) was enough for me to accessing the Satellite. My 15 Watts-PA
was behind of antenna
(no coaxial loss), in order to achieve the maximum ERP (15 Watts x 11DB
about 180 W ERP).
If you have 30 Watts, may be is possible to keep the PA into the Shack. (in
case where you have Low-Loss Coaxial (< 3DB), between Shack & Antenna).

The big Power easily decreased.... the low Power with difficulty is
increased, especially on UHF !

Just keep in mind that.

A link for the module is:

http://dl2jwl.de/modul/RA30H4047M.pdf#search='RA30H4047M'

Hope that helps

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, July 14, 2005 8:40 PM
Subject: [eu-amsat] Looking for design of PA on 70cm

> Hi,
>
>
> due the reconstruction of my house I am not QRV at present time on AO-7,
but I
> finally got a transverter on 70cm. So, I have tried VO-52 but 2 watts into
the
> DL7KM antenna is QRP...
>
> ... so I am looking for design of simple 13,8V transistored power
amplifier
> which delivers at least 10 watts. Did anybody help me?
>
> Thanks to Rene DJ1KM and Gerard F6BEG, my first stations on VO-52. Great
bird!
>
>
>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
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> Yahoo! Groups Links
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http://mail.yahoo.com

264. Re: Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-15 07:50:04 UTC
From: Allan Copland
Topic: 262 Message: 264

> On the other hand, you can make easier a UHF-PA by using
> a module. The module offers easy construction, high Gain
> (from 50-100mW Input / 10-30 Watts or more output, depend on
> the type) but is more expensive.
>

As Mak mentions, Mitsubishi 'brick type modular PA's are a useful and neat solution.
The only thing I would add is that the older (bipolar) Mitsubishi (M series) modules seem to deliver a bit more power than the newer (MOSFET.. RA series).

However for your application, either type should be OK. The modules are generally designed as a cascade of three amplifier stages. You can find the data for them on the Mitsubishi website.
You need to provide a good heatsink (they are quite inefficient) and a regulated bias supply plus decoupling for the various stages.
It is very simple and straightforward though.

Best of luck with your project.

73 Al.
GM1SXX

265. Re[2]: [eu-amsat] Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-15 08:31:50 UTC
From: OM0AAO Viliam
Topic: 262 Message: 265

Hi Mak and Al,

thanks a lot for information! I have a home built transverters on 70 and 23cm, so theese useful informations are really helpful for me.

Both designs produce from the bipolar transistored PA about 1-2 watts. But I will try RA30H4047M on 70cm (I have 50mW before the last power amplifier stages on another PCB) and probably RA18H1213G on 23cm (looks very fine!).

Prices isn't bad, I could obtain them in Slovakia for double(!) price, the German prices are really good, so I order them from DL.

Thanks for help!

73'Viliam, OM0AAO
administrator www.cq.sk

266. Re: Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-15 09:00:38 UTC
From: Allan Copland
Topic: 262 Message: 266

Hi again,

For 70Cms modules try http://www.rfparts.com/module.html

The M57716 (17W for 200mw input) and M57729 (30w for 300mw input) look like promising candidates. M series units are Bipolar and probably produce more output than the RA series equivalents.

I personally have used one of the RA series 430Mhz amplifier modules (built for LA2QAA) and found that it delivered a bit less RF than expected.
I also use a pair of the M series 23Cms modules and have found them to be dependable and easy to use and easily deliver the stated output.

If you go down the road of using the Mitsubishi modules, take care that your heatsink is perfectly flat and do not use excessive amounts of heatsink compound. The amplifiers are thick film hybrids mounted on a flat metal bar to take the heat away. Any bending or flexing of the unit can lead to stress cracking of the amplifier substrate. These units are in use in commercial service in their tens of thousands so they have a good pedigree. They also have the advantage of simplicity.

Regards,
Al.
GM1SXX

267. Re: Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-15 09:06:34 UTC
From: Allan Copland
Topic: 262 Message: 267

Hi Villiam.

If you use a Mitsubishi brick, the older M57716 is recommended for
Clasc AB (linear use).

The M57729 is only suitable for Class C (FM)

I hope that helps you.

Regards,
Al.

268. PSK 31 and A0-51

Yahoo group: eu-amsat
Date: 2005-07-15 12:44:13 UTC
From: Bill N
Topic: 268 Message: 268

Looking at PSK-31 Uplink 28.140 MHz USB with AO-51.
Are many people using this mode? Will a horizonal wire
antenna mounted be OK?

Appreciate any help or commment!

Bill
KI4HPZ

_____
Start your day with Yahoo! - make it your home page
http://www.yahoo.com/r/hs

269. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2005-07-15 13:50:21 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 269

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /UHF Homebrewing/M57729_UHF-PA.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : 40 Watts / UHF PA

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/UHF%20Homebrewing/M57729_UHF-PA.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

270. Re: Re[2]: [eu-amsat] Looking for design of PA on 70cm

Yahoo group: eu-amsat
Date: 2005-07-15 13:50:48 UTC
From: SV1BSX
Topic: 262 Message: 270

Villiam,

I will put on "FILES" a diagram of a similar construction with M57729
UHF-modular 40 Watts (UHF-Homebrewing DIRECTORY).
It was published on REF Magazine few years ago, I think it's a fine
construction
by DF2FQ. You can take some ideas from that, is exemplary design including
Pin-diode "change-over" fast circuit, for TX-RX.

BTW I have the complete article in PDF (about 850 KB, in French).
I tried to "upload" that into EU-Amsat files, without success. For unknown
reasons I can't
upload files bigger than 300 KB ! (perhaps the fault is my slow connection)

If you want the complete PDF, I can send it in your personal Email.
Including some fotos with Hotsink, the PCB etc.

It would be useful, if someone can send it (upload) into EU-Amsat files for
sharing from
other members.

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: "SV1BSX" <eu-amsat@yahoogroups.com>
Sent: Friday, July 15, 2005 11:31 AM
Subject: Re[2]: [eu-amsat] Looking for design of PA on 70cm

> Hi Mak and Al,
>
>
> thanks a lot for information! I have a home built transverters on 70 and
23cm,
> so theese useful informations are really helpful for me.
>
> Both designs produce from the bipolar transistored PA about 1-2 watts. But
I
> will try RA30H4047M on 70cm (I have 50mW before the last power amplifier
stages
> on another PCB) and probably RA18H1213G on 23cm (looks very fine!).
>
> Prices isn't bad, I could obtain them in Slovakia for double(!) price, the
> German prices are really good, so I order them from DL.
>
> Thanks for help!
>

>
>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
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> Yahoo! Groups Links
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271. Maypole antenna for 28-30Mhz.

Yahoo group: eu-amsat
Date: 2005-07-15 14:57:46 UTC
From: Allan Copland
Topic: 271 Message: 271

Hi.

Re antennas for 28-30Mhz

I dont use PSK-31 but one of the best antennas for satellite use on 28-30Mhz has proven to be the 'maypole'. They are also very cheap to make. This is a good thing in their favour.

The 'maypole' is simply a nest of switched inverted Vee's disposed around a central support in the form of a 'maypole'.

This arrangement allows you to switch between antennas for the best signal. Cheap commercial relays work fine as switches on 29Mhz... no need for anything expensive here. A simple DIY switch box to swap the feed between the different dipoles is all thats needed.

The 'maypole' was popular as an antenna with the old Russian RS analogue linear birds.

Have a word with LA2QAA re maypoles. He published an article on them in the past in the UK AMSAT Oscar New magazine.
John LA2QAA can be found at LA2QAA@....

I hope this is of some help to you.

73 de Al.
GM1SXX

272. Useful antenna page

Yahoo group: eu-amsat
Date: 2005-07-15 15:00:29 UTC
From: Allan Copland
Topic: 272 Message: 272

For anyone with an interest in HF antennas and their various merits (or otherwise) I can recommend a visit to ..

http://www.g3tpw.ukgateway.net/Page5OtherMulti-bandAntennas.htm

It makes good reading.

73 de Al.
GM1SXX

273. Re: [eu-amsat] PSK 31 and A0-51

Yahoo group: eu-amsat
Date: 2005-07-15 16:28:54 UTC
From: SV1BSX
Topic: 268 Message: 273

Hi Bill,

I will disappoint you, but the PSK-31 via the AO51 it's a big "fiasco".
Never done a complete QSO !
Even Peter Martinez (creator of PSK) did not realise a contact !

I tried few months ago on this mode. BTW on HF I've a very good organized
Shack.
I'm HF operator (mainly) for about 25 years and I have also enough
experience on HF/PSK.
My uplink tests on 10m became by using various antennas, with high enough
power in order
to listen my return-signal on downlink. Well, that was possible by using 300
Watts uplink-power (!), but the decoding was 50% garbages on my screen, even
the "PSK tone" on my downlink receiver was "Loud & Clear" . (With lower
Uplink-power, the downlink was weak, almost "unreadable" on my screen !)
As I know, the same thing observed by several other Hams WorldWide.

This mode through this satellite is in practice unworkable.

So, at my opinion don't spend your time.

73, Mak SV1BSX

----- Original Message -----
From: "Bill N" <bnix66@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, July 15, 2005 3:44 PM
Subject: [eu-amsat] PSK 31 and A0-51

> Looking at PSK-31 Uplink 28.140 MHz USB with AO-51.
> Are many people using this mode? Will a horizonal wire
> antenna mounted be OK?
>
>
> Appreciate any help or commment!
>
>
>
> Bill
> KI4HPZ
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> _____
> Start your day with Yahoo! - make it your home page
> http://www.yahoo.com/r/hs

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274. Re: [eu-amsat] PSK 31 and A0-51

Yahoo group: eu-amsat
Date: 2005-07-15 17:05:29 UTC
From: Bill N
Topic: 268 Message: 274

Thanks for the excellent reply....

--- SV1BSX <sv1bsx@...> wrote:

> Hi Bill,
>
> I will disappoint you, but the PSK-31 via the AO51
> it's a big "fiasco".
> Never done a complete QSO !
> Even Peter Martinez (creator of PSK) did not
> realise a contact !
>
> I tried few months ago on this mode. BTW on HF I've
> a very good organized
> Shack.
> I'm HF operator (mainly) for about 25 years and I
> have also enough
> experience on HF/PSK.
> My uplink tests on 10m became by using various
> antennas, with high enough
> power in order
> to listen my return-signal on downlink. Well, that
> was possible by using 300
> Watts uplink-power (!), but the decoding was 50%
> garbages on my screen, even
> the "PSK tone" on my downlink receiver was "Loud &
> Clear" . (With lower
> Uplink-power, the downlink was weak, almost
> "unreadable" on my screen !)
> As I know, the same thing observed by several
> other Hams WorldWide.
>
> This mode through this satellite is in practice
> unworkable.
>
> So, at my opinion don't spend your time.
>
> 73, Mak SV1BSX
>
>
>
> ----- Original Message -----
> From: "Bill N" <bnix66@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Friday, July 15, 2005 3:44 PM

> Subject: [eu-amsat] PSK 31 and A0-51
>
>
> > Looking at PSK-31 Uplink 28.140 MHz USB with
> AO-51.
> > Are many people using this mode? Will a horizonal
> wire
> > antenna mounted be OK?
> >
> >
> > Appreciate any help or commment!
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> > Bill
> > KI4HPZ
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> > Start your day with Yahoo! - make it your home
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> > http://www.yahoo.com/r/hs
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> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam
> protection around
> http://mail.yahoo.com
>

Bill
KI4HPZ

_____
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http://mail.yahoo.com

275. PSK 31 and A0-51 and bright ideas.

Yahoo group: eu-amsat
Date: 2005-07-18 12:17:03 UTC
From: Allan Copland
Topic: 268 Message: 275

> > I will disappoint you, but the PSK-31 via the AO51
> > it's a big "fiasco".
> > Never done a complete QSO !
> > Even Peter Martinez (creator of PSK) did not
> > realise a contact !
> >

Several people mentioned to me that this was more than likely to be the case *before* A-O-51 was launched. I wasn't about to disagree with any of them.

It rather makes me wonder why AMSAT thought it was a good idea.

LEO microwave birds are another good example of inappropriate use of technology. The doppler shift on a microwave LEO is ferocious. This was proved a long time ago with among other things the Surrey University UoSATs.

Placing microwave transponders on LEO's effectively excludes anyone not rich enough to be able to afford automated doppler tracking (IMHO much of the world). There again, just using microwave effectively accomplishes that!

I have nothing againt microwaves. In fact I'm a big fan, but not on a LEO satellite please.

Oh for the days when we had birds that almost anyone could use.

Its a l o o o o o n n g g time ago, but I can vaguely remember them being called MODE A, Mode J and even Mode B. I remember plenty of enthusiastic people too, because it was so easy to get involved.

Hell, it even worked for poor people!

OK, it was not sophisticated, and not hugely exciting for the designers, but the users sure loved it and it was a LOT of fun.

Kind Regards,

Allan Copland
GM1SXX

276. ?

Yahoo group: eu-amsat
Date: 2005-07-23 04:43:37 UTC
From: Bill N
Topic: 276 Message: 276

Any way to modify a toy slinky into an antenna for
vhf/uhf satelites?

Bill
KI4HPZ

_____
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http://www.yahoo.com/r/hs

277. Re: [eu-amsat] ?

Yahoo group: eu-amsat
Date: 2005-07-23 12:36:55 UTC
From: SV1BSX
Topic: 276 Message: 277

Hi Bill,

what is the "toy slinky" ?
specify to us.

Have a nice weekend.

73, Mak SV1BSX

----- Original Message -----
From: "Bill N" <bnix66@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, July 23, 2005 7:43 AM
Subject: [eu-amsat] ?

> Any way to modify a toy slinky into an antenna for
> vhf/uhf satelites?
>
> Bill
> KI4HPZ
>
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>
> _____
> Start your day with Yahoo! - make it your home page
> http://www.yahoo.com/r/hs
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> Yahoo! Groups Links
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278. Re: [eu-amsat] Digest Number 112

Yahoo group: eu-amsat
Date: 2005-07-23 13:52:32 UTC
From: Emily Clarke
Topic: 278 Message: 278

You weren't specific about what kind of antenna, but you could technically cut any piece of wire into a dipole and make it resonate. This is what the HF guys do with slinkies. But there is no significant gain, so after adding in a balun you would probably have an antenna that would be worse than a HT with a whip.

If you are talking about a helix, you would need two different sized slinkies. However the slinky is also very thin wire, so I think the bandwidth would be narrow and tuning the helix would be more difficult. I think you would be better off using some kind of copper tubing such as the tubing used for installing icemakers.

73,

Emily

At 11:15 AM 7/23/2005 +0000, you wrote:

>There is 1 message in this issue.
>
>Topics in this digest:
>
> 1. ?
> From: Bill N <bnix66@...>
>
>
>_____
>_____
>
>Message: 1
> Date: Fri, 22 Jul 2005 21:43:37 -0700 (PDT)
> From: Bill N <bnix66@...>
>Subject: ?
>
>Any way to modify a toy slinky into an antenna for
>vhf/uhf satelites?
>
>Bill
>KI4HPZ
>
>
>
>_____
>Start your day with Yahoo! - make it your home page
>http://www.yahoo.com/r/hs
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>Yahoo! Groups Links
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>--
>No virus found in this incoming message.
>Checked by AVG Anti-Virus.
>Version: 7.0.338 / Virus Database: 267.9.4/57 - Release Date: 7/22/2005

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AMSAT Area Coordinator - San Francisco Bay Area
http://www.projectoscar.net http://www.PlanetEmily.com

Join AMSAT! http://www.amsat.org

279. Re: [eu-amsat] ?

Yahoo group: eu-amsat
Date: 2005-07-23 14:42:34 UTC
From: Bill N
Topic: 276 Message: 279

--- SV1BSX <sv1bsx@...> wrote:

> Hi Bill,
>
> what is the "toy slinky" ?
> specify to us.
>
> Have a nice weekend.
>
> 73, Mak SV1BSX
>
> ----- Original Message -----
> From: "Bill N" <bnix66@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Saturday, July 23, 2005 7:43 AM
> Subject: [eu-amsat] ?
>
>
> > Any way to modify a toy slinky into an antenna for
> > vhf/uhf satelites?
> >
> > Bill
> > KI4HPZ
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> Do You Yahoo!?
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>

Bill
KI4HPZ

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http://mail.yahoo.com

280. Re: [eu-amsat] Digest Number 111

Yahoo group: eu-amsat
Date: 2005-07-23 14:43:29 UTC
From: Emily Clarke
Topic: 280 Message: 280

At 10:16 AM 7/19/2005 +0000, Al wrote:

>Several people mentioned to me that this was more than likely to be
>the case *before* A-O-51 was launched. I wasn't about to disagree
>with any of them.
>
>It rather makes me wonder why AMSAT thought it was a good idea.

From what I've heard it was pushed by one individual who wanted to jump on the PSK bandwagon. This person has promoted PSK on other satellites as well. I had the opportunity to ask him if he ever tried PSK-31 on FO-29 and his response at the time was "What's FO-29? - That dead Japanese satellite?"

While there is nothing "technically" wrong with it, having tried several PSK experiments on AO-40 I wouldn't waste my time or effort with it on a LEO. I am convinced there are no advantages to using the mode - it's too slow and too unreliable. However I don't believe doppler is the only problem with this mode on AO-51 - I believe it has more to do with the inefficiency of the SQRX antenna at 10M. Or so I have been told.

>LEO microwave birds are another good example of inappropriate use of
>technology. The doppler shift on a microwave LEO is ferocious.
>This was proved a long time ago with among other things the Surrey
>University UoSATs.

I wouldn't know why anyone would need to prove this - it's a simple math problem. :-)

Although it's not what I would like for a primary mode I don't see the harm. It's not like we have any other satellites using that part of the spectrum at the moment. That might change of course, but looking over the band plans for SSETI and P3E it doesn't appear that there is any mutual interference.

>Placing microwave transponders on LEO's effectively excludes anyone
>not rich enough to be able to afford automated doppler tracking (IMHO
>much of the world). There again, just using microwave effectively
>accomplishes that!

I don't know if I agree with this completely. It cost me less than $10 to interface my computer to my rig. So cost was not prohibitive.

Having worked with manual tuning on AO-51 it's also not as bad as you think, at least with a 910H. Even working completely manual the only difference between working 70cm is that I increase the tuning step.

And the 910H makes it even more simple. Once you locate the carrier, the AFC on the 910H will automatically tune the receiver to keep it on the center frequency. But I agree it's not ideal and computer control is the best way to make it work.

I think 2.4G has a wonderful place for TLM and other digital modes where things can be automated. However, for a voice QSO I'll take the lower sideband modes.

73,

Emily

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281. Re: Digest Number 111

Yahoo group: eu-amsat
Date: 2005-07-24 18:04:24 UTC
From: Allan Copland
Topic: 280 Message: 281

Hi Folks,

I'd like to reply to some of the points raised by Emily.

-----Original Message-----
From: eu-amsat@yahoogroups.com on behalf of Emily Clarke
Sent: Sat 23/07/2005 15:43
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Digest Number 111
At 10:16 AM 7/19/2005 +0000, Al wrote:

>Several people mentioned to me that this was more than likely to be
>the case *before* A-O-51 was launched. I wasn't about to disagree
>with any of them.
>
>It rather makes me wonder why AMSAT thought it was a good idea.

(Emily) From what I've heard it was pushed by one individual who
wanted to jump on the PSK bandwagon. This person has promoted PSK on
other satellites as well. I had the opportunity to ask him if he
ever tried PSK-31 on FO-29 and his response at the time was "What's
FO-29? - That dead Japanese
satellite?"

(GM1SXX) Well, I guess that this un-named person must have a fair bit
of clout at AMSAT.
What happened to SURVEYS, the use of... used for decision making?
I'm sure you will remember that episode.

PSK is a narrowband mode and of course doppler shift makes life
difficult with such modes. It is not well suited to communication via
a (fast) moving target.

(Emily) While there is nothing "technically" wrong with it, having
tried several PSK experiments on AO-40 I wouldn't waste my time or
effort with it on a LEO. I am convinced there are no advantages to
using the mode - it's too slow and too unreliable. However I don't
believe doppler is the only problem with this mode on AO-51 - I
believe it has more to do with the inefficiency of the SQRX antenna at
10M. Or so I have been told.

(GM1SXX)Well, there *is* something technically wrong with it.
Doppler will certainly be a problem. As to SQRX antennas, I cant
comment.
SQRX is a meaningless term to me. I only know about conventional
antenna types.

>LEO microwave birds are another good example of inappropriate use of
>technology. The doppler shift on a microwave LEO is ferocious.
>This was proved a long time ago with among other things the Surrey
>University UoSATs.

(Emily) I wouldn't know why anyone would need to prove this - it's a
simple math
problem. :-)

GM1SXX) I totally agree. The practical issues go without saying, so
why are so many new LEO birds using microwave links? Perhaps AMSAT
know something about the behaviour of microwave that I dont. I always
believed that doppler shift increases as a function of frequency. This
is backed up by personal experience.

(Emily) Although it's not what I would like for a primary mode I don't
see the harm. It's not like we have any other satellites using that
part of the spectrum at the moment. That might change of course, but
looking over the band plans for SSETI and P3E it doesn't appear that
there is any mutual interference.

(GM1SXX) I see a great deal of harm.
Satellites cost money. A lot of money, even amateur ones, straight out
of paying members pockets. Why waste money and resources on
inappropriate technology? This is a slap in the face to paying
members, unless of course they *really* want to have such
transponders.

>Placing microwave transponders on LEO's effectively excludes anyone
>not rich enough to be able to afford automated doppler tracking (IMHO
>much of the world). There again, just using microwave effectively
>accomplishes that!

(GM1SXX) I still stand by this point.

(Emily) I don't know if I agree with this completely. It cost me less
than $10 to interface my computer to my rig. So cost was not
prohibitive.
Having worked with manual tuning on AO-51 it's also not as bad as you
think, at least with a 910H. Even working completely manual the only
difference between working 70cm is that I increase the tuning step.

(GM1SXX) Sure. You have a fairly modern radio and live in a rich
country. Not everyone who aspires to use, or helps pay for, amateur
radio satellites does.

(Emily) And the 910H makes it even more simple. Once you locate the
carrier, the AFC on the 910H will automatically tune the receiver to
keep it on the center frequency. But I agree it's not ideal and
computer control is the best way to make it work.

(GM1SXX) I dont think many people in India, Africa or many other
places outside of the rich countries of the world own an 910H. Many
people still have VFO based radios. Auto Doppler tracking is fine if

you own a modern PLL radio with a CAT interface *and* a computer. Of course you also need keplerian elements to load into your tracking program. The Internet perhaps? For that you need a MODEM and a phone line too. I've heard some complaints that amateur satellites are a rih man's hobby. You certainly seem to be justifying that complaint.
I'm lucky. Very lucky in fact. I *do* have access to many of these things but I also appreciate that there are far more people who dont.

(Emily) I think 2.4G has a wonderful place for TLM and other digital modes where things can be automated. However, for a voice QSO I'll take the lower sideband modes.

(GM1SXX) Well there I have to disagree. The 2.4Ghz ISM (Industrial Scientific and Medical) band is shared with point-to-point links, Wireless LANS, microwave ovens (typically 800W@2450Mhz. broadband untuned RF ...and yes, they leak), plus hospital and industrial equipment.
In short, the 2,4Ghz band (around here at least) is saturated with Primary Users.
I work in a large further education college and we can hardly communicate from a WLAN to a laptop PC in the same room thanks to radiofog. Here at least its an absolutely lousy band for satellite links, and thats before you consider doppler.
In this area alone, there are dozens of WLANS (that I know of) plus industrial users.

(GM1SXX)I'm committed to the idea that amateur satellites should be for all radio amateurs, not just the rich ones.

73 Al.
GM1SXX

282. Slinky

Yahoo group: eu-amsat
Date: 2005-07-24 18:59:52 UTC
From: Allan Copland
Topic: 276 Message: 282

Hi Mak,

I can answer that one for you.

Slinky is a children's toy. Its a steel coil spring wound from flat metal (steel) tape.

The idea (for kids at least) is to make your slinky walk down stairs and other inclines.

Of course they can also server duty as aerials! When suspended from a length of cord, a pair of slinkies makes an adjustable dipole antenna.

One problem is that they can corrode outdoors and so are mainly suitable for portable operations.

You can find 'SLINKY' springs in many good toyshops. They have been around for a long time and are still popular. Take care to get metal and not the plastic ones!

Regards,

Al.

--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
>
>
> --- SV1BSX <sv1bsx@y...> wrote:
>
> > Hi Bill,
> >
> > what is the "toy slinky" ?
> > specify to us.
> >
> > Have a nice weekend.
> >
> > 73, Mak SV1BSX
> >
> > ----- Original Message -----
> > From: "Bill N" <bnix66@y...>
> > To: <eu-amsat@yahoogroups.com>
> > Sent: Saturday, July 23, 2005 7:43 AM
> > Subject: [eu-amsat] ?
> >
> >
> > > Any way to modify a toy slinky into an antenna for
> > > vhf/uhf satelites?

> > >
> > > Bill
> > > KI4HPZ
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> Bill
> KI4HPZ
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> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com

283. Re: [eu-amsat] Slinky

Yahoo group: eu-amsat
Date: 2005-07-24 19:04:49 UTC
From: Bill N
Topic: 276 Message: 283

I am no way an antenna expert. But, the design of the slinky seem to be polarized. Just curious as to it usefullness as an antenna satellite.

--- Allan Copland <acopland@...> wrote:

> Hi Mak,
>
> I can answer that one for you.
>
> Slinky is a children's toy. Its a steel coil spring
> wound from flat
> metal (steel) tape.
>
> The idea (for kids at least) is to make your slinky
> walk down stairs
> and other inclines.
>
> Of course they can also server duty as aerials!
> When suspended from a
> length of cord, a pair of slinkies makes an
> adjustable dipole antenna.
>
> One problem is that they can corrode outdoors and so
> are mainly
> suitable for portable operations.
>
> You can find 'SLINKY' springs in many good toyshops.
> They have been
> around for a long time and are still popular. Take
> care to get metal
> and not the plastic ones!
>
> Regards,
>
> Al.
>
>
> --- In eu-amsat@yahoogroups.com, Bill N
> <bnix66@y...> wrote:
> >
> >
> > --- SV1BSX <sv1bsx@y...> wrote:
> >
> > > Hi Bill,

> > >
> > > what is the "toy slinky" ?
> > > specify to us.
> > >
> > > Have a nice weekend.
> > >
> > > 73, Mak SV1BSX
> > >
> > > ----- Original Message -----
> > > From: "Bill N" <bnix66@y...>
> > > To: <eu-amsat@yahoogroups.com>
> > > Sent: Saturday, July 23, 2005 7:43 AM
> > > Subject: [eu-amsat] ?
> > >
> > >
> > > > Any way to modify a toy slinky into an antenna
> for
> > > > vhf/uhf satelites?
> > > >
> > > > Bill
> > > > KI4HPZ
> > > >
> > > >
> > > >
> > > >
> > >
> _____
> > > > Start your day with Yahoo! - make it your home
> > > page
> > > > http://www.yahoo.com/r/hs
> > > >
> > > >
> > > >
> > > >
> > > > Yahoo! Groups Links
> > > >
> > > >
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> > > >
> > >
> > >
> > >
> _____
> > > Do You Yahoo!?
> > > Tired of spam? Yahoo! Mail has the best spam
> > > protection around
> > > http://mail.yahoo.com
> > >

> >
> >
> > Bill
> > KI4HPZ
> >
> > _____
> > Do You Yahoo!?
> > Tired of spam? Yahoo! Mail has the best spam
> protection around
> > http://mail.yahoo.com
>
>
>

Bill
KI4HPZ

_____
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http://www.yahoo.com/r/hs

284. RE: [eu-amsat] ?

Yahoo group: eu-amsat
Date: 2005-07-25 07:26:38 UTC
From: Allan Copland
Topic: 276 Message: 284

Hi Bill,

Re SLINKY's on VHF/UHF

I dont see much point in trying.
There are easier and cheaper ways to make VHF/UHF antennas.
You could try Jerry Brown's website for ideas. His call is K5OE. A Google search will find his pages where you can find all sorts of innovative ways to use scrap plastic pile and wire! Its cheap and its fun. It also works.
What more could you want?

Regards,

Al.
GM1SXX

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com]On Behalf Of Bill N
Sent: 23 July 2005 05:44
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] ?

Any way to modify a toy slinky into an antenna for
vhf/uhf satelites?

Bill
KI4HPZ

_____
Start your day with Yahoo! - make it your home page
http://www.yahoo.com/r/hs

Yahoo! Groups Links

285. Re: Slinky

Yahoo group: eu-amsat
Date: 2005-07-25 07:56:19 UTC
From: Allan Copland
Topic: 276 Message: 285

--- In eu-amsat@yahoogroups.com, Bill N <bnix66@y...> wrote:
> I am no way an antenna expert. But, the design of the
> slinky seem to be polarized. Just curious as to it
> usefullness as an antenna satellite.
>

By way of an explanation... slinky is indeed in the form of a coil of wire but when a pair are stretched out on an insulating line, they form a shortened dipole and not a circularly polarised antenna.

You can compare them with the shortened inductively loaded dipoles made commercially.. think Buddipole etc.

Think of a stub antenna (stub helical) of the sort used on some handy's. Although these look internally like a miniature slinky, they produce linear polarisation.

Sure, for VHF and UHF you can indeed use a helical antenna and reflector to produce circular polarisation but each turn (when straightened out) is about one wavelength long. The slinky is way too small for that.

You are confusing normal mode and axial mode helical antenna types. They work differently.You can find much more data with a simple web search.

One other thing many people dont realise about CP antennas that is worth knowing is that the polarisation of a CP antenna is *only* circular along the boresight of the antenna.
This is true whether the antenna is on a satellite or on the ground.

You only get CP when looking straight down the boresight.
At *all* other angles, it is NOT CP.

Rarely are you ever pointed exactly at the boresight of a satellite.
The same is true of the satellite 'looking' at you.
You can safely assume that most of the time you are not copying (or transmitting a true CP signal.

I'll leave it to you as a mental exercise to consider the consequences of this dilemma.

In the meantime, have a look at http://members.aol.com/k5oe/
for useful things to do with scrap materials.

73 Al.
GM1SXX

286. Good Morning with SATs !

Yahoo group: eu-amsat
Date: 2005-07-27 09:50:19 UTC
From: SV1BSX
Topic: 286 Message: 286

Hi to Group,

well it's nice with morning-coffe to have a conversation with good friends through
the Satellites.
Today, I had a nice conversation with I8CVS on FO-29 with S9+ signals,
this SAT is in great shape (and it's not a dead Jap's bird, as "someone"
mentioned !!!!!!!!!!).
Domenico he told me about nice contacts with ST2ES in Sudan KK41NJ and
with Oleg EX8MLT in MN72HT, via FO-29 few days ago!
It's very interest another observation of Domenico: as he said, FO-29 has not
perfect eccentricity... so the next months the apogee of satellite will increasing on passes
over Atlantic Ocean. That is a great opportunity for DX contacts between Europe and
Canada or East coast of USA, as the apogee it will become maximum (1300 km)
around October 2005.
Really, very nice comments !

Few minutes later, I had a second conversation with OM0AAO, Villiam via AO-7/Mode-A.
AO-7 was audible till South Africa... I lost the signal at 6-7? Elevation, about a minute
before theoretical LOS of bird. Nobody answered to my continual CQ.

After that, looking my transceiver I thought , what bad-luck the loss of AO-40...
almost 18 months without it... these mornings in summer vacations is a great
opportunity for few more hours with HAM-radio, especially the mornings, as
we are free from our jobs .
I remember with nostalgia the excellent morning's DX windows of AO-40 with
Japan, Indian & Pacific Ocean, Australia.
Unfortunately the LEOs are "fast - low range birds", no chance for
"bla-bla" and Satellite-DXing. On the other hand, the HF-propagation is very
bad this period, low solar-cycle.

BTW few days ago I had a nice QSO with Suli, 7Z1SJ, not in the "birds" but
on 20m. HF Band !
The contact was short, because Suli had a pile-up, as usual ! In fact,
7Z prefix is rare anywhere, SATs and HF ! (Lucky man!)

Well, I'm waiting for the new HEO... I hope the next summer will be in
operation the P3Express ! Life is too bored without a HEO.

Wish to all members of the Group a nice (rest) summer + relax on vacations.

73 from "cool" SV-land (only... 35? C today, nice day in contrast with 41?C two days ago!)

Mak, SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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http://mail.yahoo.com

287. Very sad message

Yahoo group: eu-amsat
Date: 2005-07-28 12:37:41 UTC
From: William Leijenaar
Topic: 287 Message: 287

Hi EU-AMSATs,

It was very sad to receive a message that Mr.Nagesh VU2NUD is silent key. Yesterday I received an email from a friend telling me this sad news.

I didn't see the message here, therefor I make a notice to the European AMSATs via this way.

73
William
HL/PE1RAH
---

288. VU2NUD SK

Yahoo group: eu-amsat
Date: 2005-07-28 13:50:51 UTC
From: Allan Copland
Topic: 288 Message: 288

Hi folks.

As you'll have read from William PE1EAH's posting, Mr Nagesh Upadhyaya NU2NUD is SK. Nagesh was a major figure at AMSAT India and I kept in touch with him during the construction of HAMSAT.

He did a lot of good work for for the amateur satellite program and will be sadly missed.

Allan Copland
GM1SXX

289. Re: VU2NUD SK

Yahoo group: eu-amsat
Date: 2005-07-28 13:55:46 UTC
From: Allan Copland
Topic: 288 Message: 289

Hi folks.

Mr Nagesh Upadhyaya's call was VU2NUD and *not* NU2NUD as I statued in my email. This was a stupid typo on my part.

Apologies to all.

Al.
GM1SXX

290. Svalbard mini DXpedition - satellite only

Yahoo group: eu-amsat
Date: 2005-08-02 02:09:34 UTC
From: SV1BSX
Topic: 290 Message: 290

The following message is QSP from G6LVB:
==========>>>>>>>>>>>>>>

Folks

I will be travelling to Svalbard (JW prefix, 78.15 deg N, 16.02 deg E) in the next few weeks (currently I am looking at 26, 27 and 28 August) to do some minor upgrades to a satellite station at www.svalsat.com. I am intending to take some LEO satellite gear with me, so if you'd like to add JW to your DXCC list let me know.

Despite its northerly location, it has coverage to Canada and the North Eastern US as well as Japan.

I will definitely be active on AO-51, SO-50, AO-27, PO-28 (let's hope) and if I have room for SSB equipment I will operate FO-29, VO-52 and possibly AO-7. The ISS never travels far enough North for me to take a shot at it.

There are no plans to take any HF gear, whatever that is ;-)

73, Howard G6LVB

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291. FT817 Setup

Yahoo group: eu-amsat
Date: 2005-08-23 19:01:34 UTC
From: g0oxv
Topic: 291 Message: 291

Hi all,

Very new to this Satellite ops mode. I am hearing the "Birds" ok but not having any luck trying to talk through them.
I am using a 3 ele 2m beam which works ok on 70cm too. i then use an FT817 in split frequency mode. The specific Bird i am trying to acess is A051 though had ago V052 in ssb mode.

I now have a registered copy of SatPC32 and was hopeing to control doppler effect using this program with the radio connected to a laptop.

However i am not getting anywhere with the setup for this program. Has anybody got any ideas or the config for controlling the 817 from satpc32. If i can crack this doppler it might free up a multiple arms in panic mode for the 15min pass.

Apologies if this is old ground to some but help would be appreciated

73,s Keith G0OXV

292. Re: [eu-amsat] FT817 Setup

Yahoo group: eu-amsat
Date: 2005-08-24 06:51:43 UTC
From: Jean-Jacques DE REY
Topic: 291 Message: 292

Hello Keith G0OXV,

I use SATPC since many years (started when it was still in DOS version ...)

It is no problem to run the nice FT817 with SATPC32, I tested it several times. Now running SATPC v12.3 (the explanation below refers to this version)!

1.. You must declare the proper COM port in SATSETUP basic settings for CAT. Set CAT delay to 100 to start with... you can try to lower this value later (maybe to 50 or 70 .... till CAT becomes unreliable...)
2.. Then in PROGRAM OPTIONS, select radio type MODEL to YAESU, and of course FT817
3.. In same options, now select Baud Rate (same drop down list box as MODEL) and select the baud rate of your FT817 (take the highest possible on the FT817, it works fine)
4.. in the PROGRAM OPTIONS, now press STORE.
5.. Check the DOPPLER.SQF file (it is in the program folder where SATPC32.exe is running). This file stores all frequency, mode etc. The SAT name at start of each line must match exactly the name of KEPLER data !
6.. Exit program and restart SATPC32
7.. Now click (if necessary) in main screen on top left 'C' till it shows 'C+' - now CAT is enabled !
8.. You should see FT817 frequency change now... As the FT817 is not a full duplex TRX, the software very briefly swaps between VFO1 and 2 to set corresponding TX and RX frequencies (not while you are effectively transmitting !)

Best 73s and CU on sat !

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC
Tel +32 475 66 55 36

Mail :
Web :
APRS webserver:
APRS SatGate:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
http://satgate.shacknet.nu:8080
ftp://on7eq.homeip.net

In the program options,
----- Original Message -----
From: g0oxv

To: eu-amsat@yahoogroups.com
Sent: Tuesday, August 23, 2005 9:01 PM
Subject: [eu-amsat] FT817 Setup

Hi all,

Very new to this Satellite ops mode. I am hearing the "Birds" ok but not having any luck trying to talk through them.
I am using a 3 ele 2m beam which works ok on 70cm too. i then use an FT817 in split frequency mode. The specific Bird i am trying to acess is A051 though had ago V052 in ssb mode.

I now have a registered copy of SatPC32 and was hopeing to control doppler effect using this program with the radio connected to a laptop.

However i am not getting anywhere with the setup for this program. Has anybody got any ideas or the config for controlling the 817 from satpc32. If i can crack this doppler it might free up a multiple arms in panic mode for the 15min pass.

Apologies if this is old ground to some but help would be appreciated

73,s Keith G0OXV

Yahoo! Groups Links

293. FT817

Yahoo group: eu-amsat
Date: 2005-08-24 18:54:38 UTC
From: g0oxv
Topic: 293 Message: 293

Hi all

Many thanks to Jean Jacques for the information.

It looks like i have a previous version of PCsat32 the version i have
is 12.0 from the Amsat uk site, i overlooked this was a trial version.
but led to believe all it needed was a registration.

The registration i bought from amsat-na..still live and learn,

I will get a version of 12.3 as it seems to cater for the 817.

again many thanks Jean.

keith G0OXV

294. PO-28

Yahoo group: eu-amsat
Date: 2005-09-12 18:28:53 UTC
From: Bill N
Topic: 294 Message: 294

When will PO-28 be ready for chatter?

TY

Bill
KI4HPZ

Yahoo! for Good
Donate to the Hurricane Katrina relief effort.
http://store.yahoo.com/redcross-donate3/

295. Re: [eu-amsat] PO-28

Yahoo group: eu-amsat
Date: 2005-09-12 19:50:29 UTC
From: SV1BSX
Topic: 294 Message: 295

Hi Bill (& Group),

in several weeks according to the bulletin, but we don't know the exactly
day...
hope soon !

>>G3WGM reports that following lengthy negotiations
>>it has been agreed that the satellite can be switched
>>permanently to amateur frequencies. The changeover
>>is expected to take a couple of weeks.

73, Mak SV1BSX

----- Original Message -----
From: "Bill N" <bnix66@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, September 12, 2005 9:28 PM
Subject: [eu-amsat] PO-28

> When will PO-28 be ready for chatter?
>
> TY
>
> Bill
> KI4HPZ
>
>
>
>
> _____
> Yahoo! for Good
> Donate to the Hurricane Katrina relief effort.
> http://store.yahoo.com/redcross-donate3/
>
>
>
>
>
> Yahoo! Groups Links
>
>
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>

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296. Instant Track Rotator/Elavator

Yahoo group: eu-amsat
Date: 2005-09-17 20:47:37 UTC
From: Allan McDermid
Topic: 296 Message: 296

Hi, I am trying to find out if it is still possible to purchase an electronic Rotator & Elevator for Semi Portable operation that can be controlled by the Instant Track program. I would ideally like something that can be driven either by LPT or COM port.

Hope somebody can point me in the right direction.

Regards
Allan
MM1BJP

297. Re: [eu-amsat] Instant Track Rotator/Elavator

Yahoo group: eu-amsat
Date: 2005-09-19 14:12:41 UTC
From: SV1BSX
Topic: 296 Message: 297

Hi Allan & welcome to the Group,

FODTRACK is a simple & cheap Tracking-interface for AZ/EL, working from LPT port.
The basic program (fodtrrack.exe) running under DOS, like IT (IT=Instant Track) .
I've no experience with IT and Fodtrack combination, because I'm using the Fodtrack
with NOVA-tracking program which supports the Fodtrack-interface.
However, is available a small tool-program for cooperation between IT & Fodtrack (foddrv11.zip, 13KB). FODDRV is a DOS TSR
(terminate-and-stay-resident) program which allows satellite tracking programs such as InstantTrack to control antenna position using the FODTRACK antenna interface.

You can find FODDRV into AMSAT Web-page:

http://www.amsat.org/amsat/ftpsoft.html

==========

FODTRACK Antenna Tracking-interface is available at:
http://www.qsl.net/ve2dx/projects/fod.htm

Hope that helps. If you have any additional question, just let me know.

73, Mak SV1BSX

T----- Original Message -----
From: "Allan McDermid" <MM1BJP@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, September 17, 2005 11:47 PM
Subject: [eu-amsat] Instant Track Rotator/Elavator

Hi, I am trying to find out if it is still possible to purchase an electronic Rotator & Elevator for Semi Portable operation that can be controlled by the Instant Track program. I would ideally like something that can be driven either by LPT or COM port.

Hope somebody can point me in the right direction.

Regards
Allan
MM1BJP

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298. Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-08 16:17:16 UTC
From: OM0AAO Viliam
Topic: 298 Message: 298

Hi folks,

I am back after long restortation of my house. During the sommer I made new antennas and bought new transceiver, the FT-857D.

On 2m band I could use 2x3el.cross yagi or 8el.yagi and 25W. That seems enough for most operation.

Which antennas are You using on 70cm band with FO-29 SAT? I put on the mas my old DL7KM twinquad (cca. 7,5dBd). During last pass I made my first QSO via FO-29 with DC5MS, but all signals on FT-857 are very low.

So I am thinking about yagi with gain about 11,5dBd and preamp with dual gate MOSFET (NF. about 2dB). What shoul I expect?

73'Viliam, OM0AAO
administrator www.cq.sk

299. Re: [eu-amsat] Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-11 23:24:32 UTC
From: SV1BSX
Topic: 298 Message: 299

Hi Viliam & Group

>
> On 2m band I could use 2x3el.cross yagi or 8el.yagi and 25W. That seems enough
> for most operation.
>
...I'm using about the same antenna (2x4El cross). Its enough but, I know that the reception
is much better with bigger antennas, especially on AO-7/Mode-B. In any case, because
I don't like the "monster-type" antenna-systems, I'm satisfied with my antenna even I know that
my reception is weaker compared with bigger Yagis. For Uplink, its enough if you have
TX-power 25-50 Watts in most cases... a mere example is the AO-51 which usually has
heavy QRM. I have access into this bird over the QRM with my Hi-Power (50 W).

> Which antennas are You using on 70cm band with FO-29 SAT? I put on the mas my
> old DL7KM twinquad (cca. 7,5dBd). During last pass I made my first QSO via FO-29
> with DC5MS, but all signals on FT-857 are very low.
>

.... well, on UHF I've tested two different antennas: 2x7 El (commercial, manual gives 9 dB for each one) and my old homebrew 10 El in vertical polarisation, which I had used for my
AO-40 Uplink (based on ON1MU model, 13.5 dBi or11.4 dBd according to Yagimax).

It's strange but the 10 El (just one antenna in "vertical" pol.) hears much-much better,
far way than 2x7 Cross !
I can't expain that, I can suspect just that the commercial 7 El has not this gain as manufacture promises. I plan to make a second
10 El homebrew to put in cross with my first-old 10 El Yagi. But (at my opinion) is obvious that, this antenna-model of ON1MU 10 El. Yagi is excellent design.

Keep in mind, always in cross yagis I'm using the "shift technique", in other words the vertical antenna is shifted-forward from horizontal (or vice-versa) a space
equal to quarter-wave, into the common boom.

This is the easiest method for circular polarisation, works 100% and you don't need "phase stub" for phase-shifting. Just 2 pieces of quarter-wave 75Ohm coaxial from each antenna-dipole to a common-point ("T" connector) and after
that 50Ohm coaxial as usual up to the shack. The only disadvantage is that, you have only RHCP or LHCP, depend on your cross-setup. However that is not problem, the majority of Satellites have RHCP.

BTW (my personal note), on my RX-system the FO-29 has strange behavior, that means sometimes I can hear the SAT with good enough downlink signal, some other times is
very weak (but always easy workable) and definitely the FO-29 is a very weak SAT also for me.
So I suggest you that: listen the FO-29 for a long enough period before your decision about the antenna which you have now in use.

> So I am thinking about yagi with gain about 11,5dBd and preamp with dual gate
> MOSFET (NF. about 2dB). What shoul I expect?
>
...hmmm ! "Big case" the pre-amp Villiam ! I'm using a preamp, its spectacular the
improving of reception quality with this unit but:

1) for UHF you need a GasFet preamp - NOT a usual DualGate MosFet, because the only
good enough DualGate for a similar unit on UHF which I know wide available was the CF300 (by TFK), but I can't find that anylonger in market place.

2)The usual UHF Dual Gates Mosfets are not good enough for a Low Noise UHF pre-Amp (LNA). You can find now the old BF900, 960 etc. These components are commonly available in market (was usually first stage into TV-UHF Tuners) but the NF
is not acceptable for our LNAs. Just the BF981 of DualGate-family has about 1 dB NF , but on PHILIPS's Data-Sheet the "ft" (Highest Freq.) is upto 200 MHZ.
However, I had read on Internet a UHF antenna preamp construction with BF981 (!!!),
but I'm really very-very incredulous
man if that working in practice on 435 MHZ (I don't believe it, honestly!).

I've made 6 months ago a unit with BF960 (that is 100% for UHF !) and the overall
noise during reception was much worst than basic noise of my receiver without BF960-preamp ! I suspect this component has NF higher than 5-6 Db (or more), so just forget it !!!
And I think that is expected, these components are mainly for TV-Tuners and the
TV receivers need about 57-60 DBuV (at least .... 500 uVolts or 0.5mV) signal strength
for a quality picture without noise on screen. Its obvious that, these

components
are not manufactured for low & weak signals and does not have any care for low
NF.

3)Is much more acceptable a preamp with a bipolar Hi-frequancy transistor like BFW96, than
BF960 and similars DualGate. As I know (theoriticaly) is possible to make a LNA with NF(Noise Figure) around 1.5-2 dB, by using the BFWxx hi-freq bipolar transistors. (note: it is not my personal opinion that, I've no experience with BFWxx-family, just I have read that in similar books.)

So, if you thinking for a LNA, you should find a GasFet (or HEMT). These components
have a NF better than 0.5 dB and Gain about 15 dB at 435 MHZ. By using LNA with
similar components, the improving of receiving signal from Satellites is spectacular !

The LNA that I use is homebrew, based to a Jap's design (I don't remember the URL now but it is on my
Webpage (www.qsl.net/sv1bsx/sat.html) .

I have two "Links" for 2 similar constructions there, first one from JA and second from a DL-Ham. Both LNAs use RF-metal box and is closer to a.... plumper's construction than electronics !!! The first one appears "feedback" and seems to be very
shrewd stage. Is possible to prevent the feedback by using a very small ferrite bead through "drain's" leg and if you do it that the LNA works good, I measured 22 dB Gain (!)
with NF = 0.48 dB (FHX35LG GasFet).

But sometimes the unit is unstable, especially during the tuning, so needs enough patience till
the final alignment in order to have best "quieting" (= lower NF) and enough efficient amplification. It's hard job but if you do well that, the final result is
magnificent !

I've made also the second, but the Gain of this unit never exceeded the 10 dB Gain!

The last months I've designed a new LNA with "strip-line" technique (no Coils, no Tuning-rods anymore), so its much easier
the construction on a double-side epoxy PCB. The first result is excellent, this pre-amp
is "free-feedback"
and the tuning is extremely smooth and easy. I'm still working on this, I've no put it yet behind of my antennas,
just on my bench. I'm thinking for a test with ATF10136, a GasFet with superior
Dynamic Range

and Lower NF than previous GasFets (typ. 0.35 dB/500 MHz). This component is used
from Hi-Q commercial UHF Ham LNAs nowadays and sold with a price of about ... 200-250
Euros in Germany ! (note: the ATF10136 costs just.... 10 Euros !!)

If you can wait few months, till my final and fully tested construction, probably I will make
few pieces PCBs in order to construct few LNAs for some friends and for those which need
LNA here in the EU-amsat group.

Ahh ! BTW, have you a good coaxial-cable between UHF antenna and UHF-rig???
My first coaxial was RG214 "mil-spec" and I was almost "deaf" with birds. I wondering few
years ago what is going wrong with my UHF-setup. A friend of mine he said me about a
simple test:

-"replace your coaxial with a top-quality TVRO (75 Ohms) coaxial which is cheap, in order to
compare the coaxial cable with TVRO. If you have not differences, your cable is OK."

So, I replaced my coaxial with a good-quality TVRO coaxial cable. Well, I was
fully surprised after that,
I noticed spectacular improvement with new TVRO coaxial ! It was possible to listen all Satellites much-much better !
Of course a TVRO coaxial is not recomended for TX (plus a mismatch 75/50 Ohm), but the latest TVRO coaxial cables are excellent for reception and sometimes are superiors from the most HAM-cables.
So, for a test its a good idea to compare your cable with a TVRO coaxial.
Sometimes the reason for a poor-receiving is a not good enough coaxial, especially on UHF band. And, in any case if the TVRO has much better receiving, do not keep it ! Replace your
old coaxial with a new, good quality coaxial like H-100, AirCom-Plus (-8.2 dB /100m at 435 MHz) or the better Ecoflex15 (-6dB Loss /100m at 435 MHZ).
They are expensive cables, but sometimes we don't need LNA, simply making change of coaxial cable!

I don't say you anything about "hardline" because is very expensive but, if you
thinking the 1.2 GHz is necessary if you have a long distance coaxial cable between shack and antennas (like me!).

That is the story dr Viliam with.... ..... few words!!! (Hi hi !)

I hope that Email helps you .

73, Mak SV1BSX

>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
>

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300. Re[2]: [eu-amsat] Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-12 15:26:06 UTC
From: OM0AAO Viliam
Topic: 298 Message: 300
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Mak!

Thank You for comprehensive informations. On the pictures is a situation few days ago. Now I have changed 70cm DL7KM for 13el.DK7ZB (3m long boom) and it's much better. Most signals are readable, but some weak are still bad.

Coaxial cables are RG-213 type, but only 8m long. So this is not so bad I hope.

I will try to find somewhere here in shops a MGF1302 TV preamplifier and build an 432 MHz preamplifier.

Hope to find You soon on the bird Mak!

73'Viliam, OM0AAO
administrator www.cq.sk

301. Re: Re[2]: [eu-amsat] Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-13 19:08:41 UTC
From: SV1BSX
Topic: 298 Message: 301

Hi Viliam,

About FO-29, I thought also that the SAT is very high this period as the apogee is maximum (upto 1325 Km over NW Europe) during this month. I tried to listen the last 2-3 days the satellite and I noticed that like you, the downlink is very-very weak. Yesterday afternoon was unreadable my Downlink signal (I was alone - no traffic), even my antennas was straight-forwad to Satellite with AZ/EL in auto-tracking and my maximum power for Uplink (about 200 W ERP).
Just for about 1 minute was possible to hear very weak my CW-CQ. In any case, is possible to exist some
problem in my reception (I will check it that), but on th other hand may be my suspicion for relation between high orbit (from 800 to 1300 Km apogee) and weak-signals is real.. I don't know.... simply a thought.
It would be useful a second opinion (or report) from somebody of Group, which hears the satellite the last days.

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: "SV1BSX" <eu-amsat@yahoogroups.com>
Sent: Wednesday, October 12, 2005 6:26 PM
Subject: Re[2]: [eu-amsat] Sucessfull antennas for FO-29

> Hello Mak!
>
>
> Thank You for comprehensive informations. On the pictures is a situation few
> days ago. Now I have changed 70cm DL7KM for 13el.DK7ZB (3m long boom) and it's
> much better. Most signals are readable, but some weak are still bad.
>
> Coaxial cables are RG-213 type, but only 8m long. So this is not so bad I hope.
>
> I will try to find somewhere here in shops a MGF1302 TV preamplifier and build
> an 432 MHz preamplifier.
>
> Hope to find You soon on the bird Mak!
>
>
> 73'Viliam, OM0AAO
> administrator www.cq.sk

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> Yahoo! Groups Links
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302. Re[4]: [eu-amsat] Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-14 16:48:12 UTC
From: OM0AAO Viliam
Topic: 298 Message: 302

Good evening,

first please excuse that I have attached two pictures from my QTH to the last email. I would like to send it directly to Makis. Sorry!

FO-29 seems to be workable with 13el.DK7ZB yagi on downlink. I will be tomorrow QRV on FO-29 and AO-7 in mode A. See You!

73'Viliam, OM0AAO
administrator www.cq.sk

303. Re: Re[4]: [eu-amsat] Sucessfull antennas for FO-29

Yahoo group: eu-amsat
Date: 2005-10-20 01:12:39 UTC
From: SV1BSX
Topic: 298 Message: 303

Hi Viliam & Group,

nice to hear that about your good reception of FO-29 with your new 13 el.
yagi antenna.
Yes, I saw your pictures and I noticed that your old antenna was not the
best one
for FO-29 downlink. Don't worry also about your Email with attach-pictures,
no problem
at all on Group with that.

BTW my previous Email was not right, FO-29 is heard good enough from 1300
Km.
Just a trick-cheap N-type connector without good contactivity on central
contactor, behind of my UHF-rig was the problem for my poor reception!

Hope to "CU" soon on the bird.

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: "SV1BSX" <eu-amsat@yahoogroups.com>
Sent: Friday, October 14, 2005 7:48 PM
Subject: Re[4]: [eu-amsat] Sucessfull antennas for FO-29

> Good evening,
>
>
> first please excuse that I have attached two pictures from my QTH to the
last
> email. I would like to send it directly to Makis. Sorry!
>
> FO-29 seems to be workable with 13el.DK7ZB yagi on downlink. I will be
tomorrow
> QRV on FO-29 and AO-7 in mode A. See You!
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>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
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> Yahoo! Groups Links

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304. The JT-208 Another threat to amateur radio

Yahoo group: eu-amsat
Date: 2005-10-20 07:38:36 UTC
From: Allan Copland
Topic: 304 Message: 304

Hi Folks.

I notice that quite a number of sellers on EBay are offering cheap imported FM transceivers covering 136-174 (JT-208) and also the 70Cms band.

Few if any of the adverts point out that it is not legal for members of the general public to transmit with these radios and many adverts encourage the user to monitor utilities with these radios (illegal in the UK).

Until the authorities crack down on the import of these radios (and how likely is that?), I think we can look forward to plenty of intruders in the 2M and 70Cms satellite sub bands, not to mention intrusions into PMR and other licenced user bands.

Perhaps its just as well these radios don't cover 110-136Mhz where I thing that OFCOM and other regulatory bodies might take a slightly more robust response!

I urge readers to lobby their national authorities over the sale of these largely unlicenceable radios.

For anyone who doesn't know what a JT-208 is, I suggest a general web search.

So long as its perfectly legal to sell stuff like this, we will be plagued with intrusions.

Kind Regards,
Al.
GM1SXX

305. Band Plan

Yahoo group: eu-amsat
Date: 2005-11-04 23:59:11 UTC
From: SV1BSX
Topic: 305 Message: 305

Hello to Group,

I'm looking for detail Band Plans about Regions 1 & 2 according to the latest regulations, especially above VHF.
Anyone knows any URL with these infos?
Thanks in advance.

Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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306. Message from PE1RAH about HAMSAT

Yahoo group: eu-amsat
Date: 2005-11-13 02:36:57 UTC
From: William Leijenaar
Topic: 306 Message: 306

Dear EU-HAMSATs,

Today I got an email message from India with the information that my transponder on HAMSAT will be switched on soon.

The switch over from the Indian transponder to my (Dutch) transponder is skeduled on 17th November at 5:00 UTC. When there are no problems it will be kept on for a time period of 4 weeks.

I pass on this information only for ham radio use !!!!
For official anouncements please contact ISRO or AMSAT-India directly.

I just returned from a long time stay in S.Korea, but I will get my station ready to be qrv on the HAMSAT when my transponder is switched on. For those who will make a qso with me via my transponder I will have a special qsl-card.

Tasos (SV8YM) has designed a special QSL-Card for me with exclusive fotos of the HAMSAT and with information about the HAMSAT. These QSL-cards are not only nice for your log, but also nice to see and to know the story and information about HAMSAT.

To see if you can work me, my grid-square is JO31BH
(Lat: 51.300N, Lon: 6.155E)
For any skeds, please send me your email...

73 PE1RAH, William Leijenaar
Designer of the Dutch transponder on the Indian HAMSAT.
---

307. Dutch transponder switched on at HAMSAT-1

Yahoo group: eu-amsat
Date: 2005-11-17 08:46:27 UTC
From: William Leijenaar
Topic: 307 Message: 307

Hi dear EU-AMSATs,

This morning I was able to hear my own transponder downlink.
Last time I heared it was in India in the thermovacuum chamber, and
later after the launch for a few seconds in space.

This time I could hear it from out off my own radio in my own shack.
Its a funny idea to know that a few years ago the same transponder now
in space was just a few centimeters next to the same radio, under test.

I am happy to anounce that the Dutch transponder is working and
available for all of you. Please listen to the CW beacon on 145.860MHz.

Please also take care of your power. I already noticed that the
transponder got in its limiter because of to high input powers.
When the limiters activate the CW beacon will have also interference,
what is a kind of indication for to high power uplinks.

I hope it will work well for your experiments and DX,

73 de PE1RAH
William Leijenaar
---

308. Re: [eu-amsat] Dutch transponder switched on at HAMSAT-1

Yahoo group: eu-amsat
Date: 2005-11-17 23:05:57 UTC
From: SV1BSX
Topic: 307 Message: 308

Hello William & Group,

today afternoon I heard your transponder, during #2.909 orbit of Hamsat.
It was not very good pass for my location (max 14? Elev), but your beacon
was
100% readable ! FB ! Congratulations !

I would like a QSO with you. Just let me know the next possible
passes
which are suitable for you.

73, Mak SV1BSX

----- Original Message -----
From: "William Leijenaar" <pe1rah@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, November 17, 2005 10:46 AM
Subject: [eu-amsat] Dutch transponder switched on at HAMSAT-1

> Hi dear EU-AMSATs,
>
> This morning I was able to hear my own transponder downlink.
> Last time I heared it was in India in the thermovacuum chamber, and
> later after the launch for a few seconds in space.
>
> This time I could hear it from out off my own radio in my own shack.
> Its a funny idea to know that a few years ago the same transponder now
> in space was just a few centimeters next to the same radio, under test.
>
> I am happy to anounce that the Dutch transponder is working and
> available for all of you. Please listen to the CW beacon on 145.860MHz.
>
> Please also take care of your power. I already noticed that the
> transponder got in its limiter because of to high input powers.
> When the limiters activate the CW beacon will have also interference,
> what is a kind of indication for to high power uplinks.
>
> I hope it will work well for your experiments and DX,
>
> 73 de PE1RAH
> William Leijenaar
> ---
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> Yahoo! Groups Links
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309. HAMSAT will soon switch over to the Indian Transponder

Yahoo group: eu-amsat
Date: 2005-12-20 10:54:33 UTC
From: William Leijenaar
Topic: 309 Message: 309

Dear AMSATs,

I just got a message from the India Space Research Organisation (ISRO) that they will switch my transponder of and switch over to the Indian Transponder.

The switch over will be done at December 21 on 4:40 UTC time.

To know what transponder is switched on please listen for the beacon that is active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on 145.936MHz.
Dutch Transponder - CW message on 145.860MHz.

Many thanks for all your reports,
I hope you enjoyed my transponder in space.

73 de PE1RAH
William Leijenaar
** Developer of the Dutch Transponder on HAMSAT
---

310. Wishes

Yahoo group: eu-amsat
Date: 2005-12-21 13:26:09 UTC
From: SV1BSX
Topic: 93 Message: 310

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello,

I wish to all members of EU-AmSat Yahoo Group , Merry Xmas and hope the
New Year
brings you... lots to smile about.

73, Mak SV1BSX
(EU-AmSat

311. Re: [eu-amsat] Digest Number 134

Yahoo group: eu-amsat
Date: 2005-12-22 16:54:38 UTC
From: nader omer
Topic: 311 Message: 311

Merry Xmas and happy new year to all
73 de Nader Omer - st2nh hz1nh

eu-amsat@yahoogroups.com wrote:

There is 1 message in this issue.

Topics in this digest:

1. Wishes
From: "SV1BSX"

Message: 1
Date: Wed, 21 Dec 2005 15:26:09 +0200
From: "SV1BSX"
Subject: Wishes

Hello,

I wish to all members of "EU-AmSat Yahoo Group", Merry Xmas and hope the
New Year
brings you... lots to smile about.

73, Mak SV1BSX
(EU-AmSat Group's Owner-Moderator)

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

????????????? Yahoo!;
????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

Yahoo! Groups Links

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312. MERRY XMAS

Yahoo group: eu-amsat
Date: 2005-12-22 18:34:20 UTC
From: Riri
Topic: 312 Message: 312

A VERY HAPPY & PEACEFUL CHRISTMAS & ALL THE BEST IN THE NEW YEAR.

Riri OD5RI

313. Chat URL for SATs

Yahoo group: eu-amsat
Date: 2005-12-23 09:57:56 UTC
From: SV1BSX
Topic: 313 Message: 313

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello,

last days I found the following URL:

http://www.on4kst.com/chat/start.php

its a place for online-chat (tty-mode) with several known SATelliters.

314. The Grand Old Lady.

Yahoo group: eu-amsat
Date: 2005-12-25 12:13:53 UTC
From: John Alan Hackett.
Topic: 314 Message: 314

First off ... MERRY CHRISTMAS to everybody.

It's really good to see several new callsigns
on AO-7 in the last few days ... remember, this
really is THE GRAND OLD LADY of space.

(The IC's used on this bird are components that
have survived longer than any other in a space
environment ... 31 years!).

For those that use this bird, please log your contacts
in the log on the following page ...

<http://www.emilyshouse.com/experthams/ao7/ao7log.php>

Here, you will also find a positive mine of information
about this satellite.

I'd like to take this opportunity of wishing you all a
HAPPY NEW YEAR.

73 John. <la2qaa@...>

315. New information for newcomers.

Yahoo group: eu-amsat
Date: 2005-12-27 17:12:10 UTC
From: John Alan Hackett.
Topic: 315 Message: 315

Hi All,
For those who may be interested, at the following link you will find some useful information aimed at the potential newcomer.

These exerpts are from the book THE BEGINNERS GUIDE TO AMATEUR RADIO SATELLITES by La2qaa and Gm1sxx ...working title: DOGS1 ... 1st edition ... (that means some of the data isn't updated yet) ... we're both extreemly! lazy.

It's in book form so just click on the titles. Drawings and schematics can be obtained by sending an e-mail to La2qaa or Gm1sxx.

<http://freespace.virgin.net/allan.copland01/live/INDEX.htm>

DOGS1? ... aka Satellites for dogs ... think of Wallace & Grommit.

(You can guess who's Grommit.....La2qaa).

73 La2qaa & Gm1sxx.

316. For the newcomers.

Yahoo group: eu-amsat
Date: 2005-12-29 16:12:45 UTC
From: John Alan Hackett.
Topic: 316 Message: 316

For the newcomers ...

Pertinent AO-7 information.

AO-7 was launched in 1974, it "died" in the beginning of 1980 but came back to life in 2002 ... (that's 20 years! being QRT) ... It has been providing providing daily QSO's again for the last 3 years.

Unfortunately, a lot of people arn't aware that this Grand Old Lady of Space is still active.

AO-7 carries a Mode A (145.850-950 MHz uplink and 29.400-500 MHz downlink) and Mode B (432.180-120 MHz uplink and 145.920-980 MHz downlink (inverted)) linear transponders and originally had 10m, 2m and 13m beacons. The 2304.1 MHz was never turned on because of international treaty constraints.

As of this writing ... (December 2005) ... the satellite operates in daytime only from the solar panels.

The transponder turns on randomly between Modes B, C and A. It seems to favour mode B in the winter and mode A in the summer ... (think sunlight!).

Mode C is a lower power version of mode B.

Due to solar panel only operation, QRP levels *MUST* be used.

So what's QRP? ... (all things are relative) ... I regularly work mode B with an *MAXIMUM* EIRP of 30w ... that's 3w to a 10dB gain aerial or 30w to a groundplane ... (don't forget to take into account your feedline losses).

AO-7 is in a much higher orbit than VO-52 and therefore has better coverage and less doppler.

Further technical information can be had at ...
<http://www.amsat.org/amsat/sats/n7hpr/ao7.html>

A new AO-7 acheavement award is planned, to celebrate AO-7's 31st anniversary and to generate more interest in this old but active satellite.

Even the commercial birds don't last for over 30 years! in space ... think about it.

FAIR WARNING.

Don't! expect it to be as easy as working VO-52 ... it's
a "challenge" and therefore more rewarding when you're successful.

73 John. <la2qaa@...>

317. Wonder why?.

Yahoo group: eu-amsat
Date: 2005-12-30 10:16:27 UTC
From: John Alan Hackett.
Topic: 317 Message: 317

Hi all,
For those that may be wondering why I sometimes don't complete
the QSO's after the report ... I can assure it has nothing to do with
inpoliteness ... it's the very short window I have due to being blocked
by high mountains.

TIP.

Keep the overs short, RST, LOCATOR, NAME ...k ... (remember, we're
using full duplex).

I wish you all a HAPPY NEW YEAR.

73 John.

318. HNY

Yahoo group: eu-amsat
Date: 2005-12-31 20:18:28 UTC
From: SV1BSX
Topic: 318 Message: 318

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Dear friends,

HAPPY NEW YEAR
with peace and health for all peoples.

(I wish also, this year to have a NEW STAR ,
our own STAR (P3Express) on the sky

319. Re: [eu-amsat] Wonder why?.

Yahoo group: eu-amsat
Date: 2006-01-01 22:50:12 UTC
From: SV1BSX
Topic: 317 Message: 319

>John LA2QAA wrote:
>

> Hi all,
> For those that may be wondering why I sometimes don't complete
> the QSO's after the report ... I can assure it has nothing to do with
> inpoliteness ... it's the very short window I have due to being blocked
> by high mountains.
>
..same problem here John!

Athens is not like... Holland (flat-country), its a place with 4 High
mountains very close to the town (1030m ASL the highest!) so the city of
Athens seems like a big... basin !
(The LOS from Athens happens not at 0? Elevation but much earlier, at 5-10?
depended on bearing.)

I have noticed another problem, some Sat-operators
they don't think that the other station perhaps is outside of Satellite's
orbit
after a ..... "Long-Play" Microphone, precisely because the "window" on the
"other side" station is too short for bla-bla-bla, but high enough only just
for a
typical QSO !
Probably few peoples forgetting that, these QSOs are through a LEO... not
through a HEO satellite !

Finally, I can not understand some others (special category !) operators
which
call me on the same Satellite for .... 4th, 5th (or more) time during the
same week !
I wonder why.... well done the 1st QSO, OK the 2nd for 100%
confirmation...
WHY every day? 1-2 QSOs are not enough for some peoples?
With this action, probably they prevent other operators that have not
spoken
with me (i.e. they need a QSO with SV), especially in case which my
"windows" with Satellites are too short (like yours John).

HNY

73, Mak SV1BSX

_____
????????????? Yahoo!;
????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????

http://mail.yahoo.gr

320. Re[2]: [eu-amsat] Wonder why?.

Yahoo group: eu-amsat
Date: 2006-01-02 08:20:44 UTC
From: OM0AAO Viliam
Topic: 317 Message: 320

Hello!

I agree with Mak, sometimes is very difficult to complete a SAT QSO. Note that many ops have bad QTH like me, HI.

For example, how I have improved my systems for FO-29:

Begginning:

RX: DL7KM (8dBd) + 8m RG-213 + FT-857D
TX: 2x3el.DK7ZB (5dBd) + 10m RG-213 + TR-751E (25W)
Heard only unreadable sigs

Second epoch:

RX: 13el.DK7ZB (14dBd)+ 8m RG-213 + FT-857D
TX: 2x3el.DK7ZB (5dBd) + 10m RG-213 + TR-751E (25W)
Heard many stations but S-meter shows zero. The receiving system looks very sharp and I have observed that my ERP is low.

Third epoch (present):

RX: 13el.DK7ZB (14dBd)+ 8m RG-213 + preamplifier BF988 + FT-857D
TX: 5el.DK7ZB (9dBd) + 10m RG-213 + TR-751E (25W)
Strongest stations peaking S6 and my own sigs are much better. Receiving is easier and it's not needed to turn it so often.

Fourth epoch (planed):

I would change a preamplifier for a GaAs FET type and put it directly under the antenna.

Conclusion:

Preamplifier for SAT work is absolutly necessary. An ERP above 100W too. Both antennas have a fixed elevation about 15 degrees.

But in my QTH where are 2500m high mountains I have observed that some passes are much better. Audible sigs are from 2 up to 60 degrees of elevation but not all kind of passes. Especially western passes (with elevation lower than 20 degrees) are bad.

So I am understanding this very well...

See you on the sats, HNY

73'Viliam, OM0AAO
administrator www.cq.sk

321. Re: Wonder why?.

Yahoo group: eu-amsat
Date: 2006-01-02 08:33:38 UTC
From: john hackett
Topic: 317 Message: 321

Hrm! ... I have the definate impression that SV1BSX "understands" everything
and is consequently
a very good satellite operator.

Oh, for more of the same.

73 John.

322. DL2HWF.

Yahoo group: eu-amsat
Date: 2006-01-02 09:08:39 UTC
From: John Alan Hackett.
Topic: 322 Message: 322

Hans, it is *not* good operating proceedure to call CQ on top of somebody else already calling CQ ... (AO-7 08:55 02.01.05) ... and then whenever the stations QSY's to a clear frequency just following them to continue to call CQ on top of them.

The downling signals were very strong and given the full duplex it would have been impossible *not* to hear the station already calling ... (me). There were plenty of clear frequencies in the passband, the only other station operating within 20Khz was RA3ET.

It's very childish ... if you're shy and don't want to answer the station calling you perhaps a walkie-talkie would be more appropriate?.

73 John. <la2qaa@amsat.org>

323. Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-02 09:41:54 UTC
From: John Alan Hackett.
Topic: 323 Message: 323

Aldert,
I forgot to answer you question re: elliptical polarisation.

Elliptical polarisation is a "combination" of vertical and horizontal polarisation but *NOT* circular polarisation.

Imagine two aerials on a horizontal boom mounted at 45 degrees but at 90 degrees to eachother ... (a common way of mounting aerials) ... but instead of using a phasing harness to obtain circular polarisation you feed them in parallel ...1 aerial delayed by 90 electrical degrees ... you couple each 50 ohm aerial to a phasing line ... (to give 100 ohm) ... then connect both aerials in parallel to get back to 50 ohm. This will give ELLIPTICAL polarisation ... useful and often necessary when one deals with polar propagation anomolies.

REMEMBER! ... circular polarisation can only be truly "circular" in the boresight of the beam ... (this FACT! is very often misunderstood by amateur aerial constructors). ... imagine a satellite over Athens transmitting with a circular polarised beam ...stations in the boresight of that beam will receive circular polarisation ... BUT ... stations at all other angles will receive various combinations of ELLIPTICAL polarisation. It all comes down to spin rate and angles.

Or ... (as they say China) ... "you pay yer' money and you take your choice".

I hope that helps.

73 John <la2qaa@...>

324. Re:Wonder why? (and few strange effects!)

Yahoo group: eu-amsat
Date: 2006-01-02 13:38:19 UTC
From: SV1BSX
Topic: 324 Message: 324

Hi again,

just an additional note, about the particularity of beaming, when a city (like Athens)
is between high mountains:

on North part of Athens is a mountain (named Parnis). Well, this mountain used from
several amateur operators in Athens, as a natural reflector ! And it works !!!
For example, I have a friend of mine outside of Athens (about 70 Km at 80? bearing). Its impossible to have a direct contact on VHF with him, because another mountain (on Eastern part of Athens) is between us and very close to my QTH.
When rotated my Yagi antenna (9 El.) directly to mount Parnis, about 350? bearing (front-side from direct bearing), then is possible to have a good quality QSO with my friend !!! Just by using the North mountain as reflector !
Several years ago, this mountain has been used by a military base of NATO, also as
reflector on microwaves by using metallic-plates, close to the mountain's top. That's why
the first amateurs in Athens they had the same idea, by using not metallic reflectors, but the mountain's surface as a natural reflector on VHF!
Of course, the propagation condition is not stable through this reflection, depend on WX, humidity and other parameters and sometimes the signal has heavy & strong fading.
However, is very interesting and useful effect.

But the most strange and interesting effect, is that which happens on Satellites. When a Satellite comes from South, sometimes is possible to have access into the "bird" by beaming directly to this mountain which is in the Northern part of Athens (exactly in the opposite direction !!!). Believe it or not, is 100% truth !!!

I have several QSO with my antenna pointing at this Mountain, when
the Satellite came from South, then going overhead and finally is setting to the North !!! Without
any movement on my rotation or elevation (stable 360? bearing, 10? Elevation).

Of course, the RX & TX conditions are not stable. Sometimes I can do that, some other times no.

In a chating with few other amateurs here in Athens for that, was said the following theory:

probably, the morphology of the city of Athens with several mountains around and very close to the town, its like a big-big natural "dish" down to the ground. Depended on my "beaming angle" the signal reflected in the mountainside's surface (probably it works like the "receiving angle" of an LNB on TVRO dishes) and re-transmiting up to the sky with high enough beamwidth, depend on the mountain's asperity.
Its a logical explanation, I think.

That is the "good effect"... as Villiam said on a previous message, the "bad effects" on a city
with high mountains around are: non stability on receiving conditions from Satellites, limited "windows", limit accessing at low Elevations etc etc.

I wrote this Email as a note, in order to understand how different, strange and unusual is the operation and the conditions in some locations.

Keep in mind that, may be the "other side" operator through a SAT-QSO is under extremely difficult RX-TX conditions in order to complete a QSO with you... don't make the life of him much more complicated.

Thanks for reading

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: "SV1BSX" <eu-amsat@yahoogroups.com>
Sent: Monday, January 02, 2006 10:20 AM
Subject: Re[2]: [eu-amsat] Wonder why?.

> Hello!
>
>
> I agree with Mak, sometimes is very difficult to complete a SAT QSO. Note that
> many ops have bad QTH like me, HI.
>
> For example, how I have improved my systems for FO-29:
>
> Begginning:
> -----
> RX: DL7KM (8dBd) + 8m RG-213 + FT-857D
> TX: 2x3el.DK7ZB (5dBd) + 10m RG-213 + TR-751E (25W)
> Heard only unreadable sigs
>
> Second epoch:
> -----
> RX: 13el.DK7ZB (14dBd)+ 8m RG-213 + FT-857D
> TX: 2x3el.DK7ZB (5dBd) + 10m RG-213 + TR-751E (25W)
> Heard many stations but S-meter shows zero. The receiving system looks very
> sharp and I have observed that my ERP is low.

>
> Third epoch (present):
> ----------
> RX: 13el.DK7ZB (14dBd)+ 8m RG-213 + preamplifier BF988 + FT-857D
> TX: 5el.DK7ZB (9dBd) + 10m RG-213 + TR-751E (25W)
> Strongest stations peaking S6 and my own sigs are much better. Receiving
is
> easier and it's not needed to turn it so often.
>
> Fourth epoch (planed):
> ----------
> I would change a preamplifier for a GaAs FET type and put it directly
under the
> antenna.
>
> Conclusion:
> ----------
> Preamplifier for SAT work is absolutly necessary. An ERP above 100W too.
Both
> antennas have a fixed elevation about 15 degrees.
>
> But in my QTH where are 2500m high mountains I have observed that some
passes
> are much better. Audible sigs are from 2 up to 60 degrees of elevation but
not
> all kind of passes. Especially western passes (with elevation lower than
20
> degrees) are bad.
>
> So I am understanding this very well...
>
> See you on the sats, HNY
>
>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
>
>
>
>
> Yahoo! Groups Links
>
>
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>

_____
????????????? Yahoo!;

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http://mail.yahoo.gr

325. Re: Wonder why?.

Yahoo group: eu-amsat
Date: 2006-01-02 15:25:07 UTC
From: ph7pcf
Topic: 317 Message: 325

This must be one of the occassions I must say that I'm glad I live in the flat country Holland.

I must say that I always follow the footprint of the sat, but never think of the fact that receiption could be lost on the other side because of obstacles. Most of the time the first part of the QSO is just the exchange of S/R and locator grids> If I have more QSO's with a station I'll have a conversation about others things and then there is always the possibility that there is no answer when I stop talking.

On the other side guys, bear in mind that we're talking about full-dulpex sat operaration so it's not so difficult also to say that you're loosing sat or just end the QSO after exchanging the essentials for the QSO.

Nevertheless I think it has nothing to do with inpoliteness, but unawareness of the person talking a long time.

Mak, the fact that some operators call you for 4th,5th etc time must be because you're a nice guy to talk to. Since you're not in for social talks I will not call you when I hear you on freq. Not even to say goodbye. Just kidding, I know that you mean that for many it is interesting to work you, but they are not given the oppurtunity as others keep calling you.

For me it's different Mak I appriciate to say something else then only cq.

73's

Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
>
> >John LA2QAA wrote:
> >
>
> > Hi all,
> > For those that may be wondering why I sometimes don't complete
> > the QSO's after the report ... I can assure it has nothing to do with
> > inpoliteness ... it's the very short window I have due to being blocked
> > by high mountains.

> >
> ..same problem here John!
>
> Athens is not like... Holland (flat-country), its a place with 4
High
> mountains very close to the town (1030m ASL the highest!) so the
city of
> Athens seems like a big... basin !
> (The LOS from Athens happens not at 0° Elevation but much earlier,
at 5-10°
> depended on bearing.)
>
> I have noticed another problem, some Sat-operators
> they don't think that the other station perhaps is outside of
Satellite's
> orbit
> after a ..... "Long-Play" Microphone, precisely because
the "window" on the
> "other side" station is too short for bla-bla-bla, but high enough
only just
> for a
> typical QSO !
> Probably few peoples forgetting that, these QSOs are through a
LEO... not
> through a HEO satellite !
>
> Finally, I can not understand some others (special category !)
operators
> which
> call me on the same Satellite for .... 4th, 5th (or more) time
during the
> same week !
> I wonder why.... well done the 1st QSO, OK the 2nd for 100%
> confirmation...
> WHY every day? 1-2 QSOs are not enough for some peoples?
> With this action, probably they prevent other operators that have
not
> spoken
> with me (i.e. they need a QSO with SV), especially in case which my
> "windows" with Satellites are too short (like yours John).
>
> HNY
>
> 73, Mak SV1BSX
>
>
>
>
> _____
> ×ñçóéìïðïéåßôå Yahoo!;

> Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail
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> http://mail.yahoo.gr
>

326. Additional comments..

Yahoo group: eu-amsat
Date: 2006-01-02 15:38:45 UTC
From: john hackett
Topic: 324 Message: 326

Correct Mak,
Yes, mountains can sometimes be a hindrance but not always.
Another useful feature is knife edge propagation ... (particularly on microwaves) ... this can be seen by a small experiment.

Place a piece of cardboard on edge on a non-reflecting surface ... (not shiny, like a polished table) ... and shine a concentrated beam of light toward the upper edge of the card. By looking at the other side of the card you will see the light dissipated at varying angles with the *"signal strength" decreasing logrimithically with the angle.

Light? ... radio waves? ... same thing!.

You also mentioned a *dish* composed of mountains forming a dip in the natural surface of the earth. This is how the Arecebo dish ... (Peurto Rico) ... radio telescope works. It's a natural parabolic reflector enhanced and "smoothed" by some human concrete ... (as you know, the reflector inaccuracies must be less than 1/10th wavelength for an efficiency of 55% on the frequency of interest).

Also be aware of the phenomonen antipode propafgation ... occa sionally, it's possible to hear a satellite when it's on the "exact" opposite side of the earth to your QTH ... the antipode of your QTH.

I experience a lot of interesting polar propagation anomolies north of 63 degrees lattitude but on the other hand, I can't work things like the ISS due to my lattitude.

73 John. <la2qaa@...>

327. Excellent point.

Yahoo group: eu-amsat
Date: 2006-01-02 16:20:57 UTC
From: john hackett
Topic: 317 Message: 327

From Aldert,

>On the other side guys, bear in mind that we're talking about full-dulpex
>sat operaration so it's not so difficult also to say that
>you're loosing sat or just end the QSO after exchanging the
>essentials for the QSO.

Good one! Aldert.

73 John. <la2qaa@...>

328. Re: Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-02 20:47:55 UTC
From: ph7pcf
Topic: 323 Message: 328

John.

Thanks for the reply, but I still don't get it completely.

"Imagine two aerials on a horizontal boom mounted at 45 degrees but at 90 degrees to eachother ... (a common way of mounting aerials) ...
but instead of using a phasing harness to obtain circular polarisation you feed them in parallel ...1 aerial delayed by 90 electrical degrees ... " I reckon that also can be achieved by placing 1 driven element 1/4 wavelenght from the other.

I guess where I go wrong is the coupling of "each 50 ohm aerial to a phasing line ... (to give 100 ohm) ... then connect both aerials in parallel to get back to 50 ohm". Could you explain this a bit more. Normally you feed the two antenna through a splitter made from two 75 ohm quater wavelength coaxcable. Could you explain how the feeding and with what coax this system is done. With circulair you have right hand and left hand circulair antenna's. With these elliptical polarised antenna's, wich way should you feed the 2 driven elements or can you obtain also left and right (or whatever it is called)

Thanks professor for the reply. You're not that senile as you pretend to be.

Aldert

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <la2qaa@a...> wrote:
>
> Aldert,
> I forgot to answer you question re: elliptical polarisation.
>
> Elliptical polarisation is a "combination" of vertical and horizontal
> polarisation but *NOT* circular polarisation.
>
> Imagine two aerials on a horizontal boom mounted at 45 degrees but at
> 90 degrees to eachother ... (a common way of mounting aerials) ...
> but instead of using a phasing harness to obtain circular
> polarisation you feed them in parallel ...1 aerial delayed by 90
> electrical degrees ... you couple each 50 ohm aerial to a phasing
> line ... (to give 100 ohm) ... then connect both aerials in parallel

> to get back to 50 ohm. This will give ELLIPTICAL polarisation ...
> useful and often necessary when one deals with polar propagation
> anomolies.
>
> REMEMBER! ... circular polarisation can only be truly "circular"
in
> the boresight of the beam ... (this FACT! is very often
misunderstood
> by amateur aerial constructors). ... imagine a satellite over
Athens
> transmitting with a circular polarised beam ...stations in the
> boresight of that beam will receive circular polarisation ...
BUT ...
> stations at all other angles will receive various combinations of
> ELLIPTICAL polarisation. It all comes down to spin rate and angles.
>
> Or ... (as they say China) ... "you pay yer' money and you take
your
> choice".
>
> I hope that helps.
>
> 73 John <la2qaa@a...>
>

329. To the *Gentleman* concerned.

Yahoo group: eu-amsat
Date: 2006-01-03 08:15:29 UTC
From: John Alan Hackett.
Topic: 329 Message: 329

To the "Gentleman" concerned.

(He knows who he is).

Please! refrain from power hogging the AO-7 transponder, particularly
with the deliberate QRM ... it ruins it for everyone.

We're losing frequencies fast enough without "one of our own"
contributing by the use of ungentlemanly operating proceedure.

Definition of an Alligator:

"All mouth and no ears".

73 John. <la2qaa@...>

330. hello everybody

Yahoo group: eu-amsat
Date: 2006-01-03 08:09:22 UTC
From: Piero Calvi-Parisetti
Topic: 330 Message: 330

Hi everybody,

this is Piero HB9DSU. I joined this interesting mailing list upon suggestion by Aldert PH7PCF and I look forward to exchange ideas and experiences with all of you.

73 Piero

*** Music, ham radio and more - http://www.qsl.net/hb9dsu ***

331. Re: Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-03 08:38:25 UTC
From: John Alan Hackett.
Topic: 323 Message: 331

Ah! yes Aldert,
That's easy! to explain.

I was editing the mail with the cut and paste technique ... and pasted part of it in the wrong plce! ... without noticing the mistake.

You're absolutely right! ... what I described about the 90 degrees offset *will* give "circular polarisation" ... left or right, depending on which aerial is lagging by 90 electrical degrees.

This bit was meant as an extension "AFTER" the circular polarisation paragraph ... and *NOT* as part of the elliptical paragraph.

If you don't believe I'm completely senile now, there's your proof!.

(ha-ha).

Here's the correct version:

2 x 50 ohm Z aerials, each with a matching stub to 100 ohm. The aerials mounted at 45 degrees on the crossboom, 90 degrees to eachother and fed in parallel through a T-connector. This will give elliptal polarisation.

To put it another way ... sometimes the satellite's transmit polarisation will be predominantly vertical, sometimes horizontal ... almost never circular (!) ... unless it's pointing *DIRECTLY* at you (seldom) so elliptical is a better "compromise" for LEO's with it's 50% GAURANTEED correct polarity as opposed to a possible ... (worst case scenario) ... of -30dB loss due to incorrect (opposite) polarity.

NOTE.

We're talking about LEO's here ... the story changes with medium and high orbits like Molniya's.

I hope that corrects my "UNFORGIVABLE" error ... and for your your information, I *AM* old, bald and senile ... ha-ha-ha.

73 John. <la2qaa@...>

332. Re: hello everybody

Yahoo group: eu-amsat
Date: 2006-01-03 08:41:21 UTC
From: John Alan Hackett.
Topic: 330 Message: 332

--- In eu-amsat@yahoogroups.com, "Piero Calvi-Parisetti" <pcalvi@b...>
wrote:
>
> Hi everybody,
>

Welcome! to the group Piero,
I hope you find something of interest among
this great bunch of guys.

73 John. <la2qaa@...>

333. Things you *ABSOLUTELY* don't need to know.

Yahoo group: eu-amsat
Date: 2006-01-03 23:33:00 UTC
From: John Alan Hackett.
Topic: 333 Message: 333

FROM LA2QAA's USELESS INFORMATION ARCHIVE.

Somebody once asked me how you find the orbit of a satellite if you don't have a computer.

In the old days we used an OSCARLOCATOR ... but that's obsolete these days.

The modern man ... assuming he knows a bit about celestial mechanics ...(the movement of the earth, to you!) ... can do it by using nothing more than his morse key ... sorry!, microphone ... and a calculator.

By sending a pulse to to a known satellite then measuring the time it takes before he hears the returned signal ... (and knowing the speed of light) ... then dividing the time by 2 ... will have found the current range of the satellite at that particular epoch.

If he does this frequently over the course of several days, together with a knowledge of the earth's movement he will then be able to plot the orbital parameters.

This (in reverse) is basically how a GPS receiver plots your position.

You did! know that, right? ... of course! you did.

73 John. <la2qaa@...>

334. Re: [eu-amsat] Additional comments..

Yahoo group: eu-amsat
Date: 2006-01-03 23:37:49 UTC
From: SV1BSX
Topic: 324 Message: 334

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

John LA2QAA wrote:

Also be aware of the phenomonen antipode propafgation ... occasionally,
it s possible to hear a satellite when it s on the exact

335. Ozzie group.

Yahoo group: eu-amsat
Date: 2006-01-04 09:45:22 UTC
From: John Alan Hackett.
Topic: 335 Message: 335

For those that may be interested, here's the URL of the Australian equivalent to Eu-Amsat.

<http://au.groups.yahoo.com/group/ozsatgroup/>

73 John. <la2qaa@...>

336. Additional comments..

Yahoo group: eu-amsat
Date: 2006-01-04 09:55:45 UTC
From: john hackett
Topic: 324 Message: 336

Rgr Mak,
QSL re: antipodal propafation further south ... up here it
happens about twice a year so to me it's "occasional".

The propagation is quite different for equatorial and polar regions.

BTW, I added the Australian equivalent of the Eu-Amsat reflector for those
that may be interested.

73 John.

337. Re: Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-04 20:30:53 UTC
From: SV1BSX
Topic: 323 Message: 337

Hi folks,
Polarization of antennas is a very interesting and sometimes difficult case,
so just few additional "tips" from me.

In order to undestand right the relationship between Linear, Circular and Elliptical
polarization, is necessary few words about the theory... so:

**Theoretically, linear and circular polarization are special cases of elliptical
polarization.
Consider 2 eletrical vectors at right angles to each other.
The frequencies are the same, but the magnitubes and phase angles can vary.
If either one or the other of magnitubes is zero, under this condition the polarization
is LINEAR.
If the magnitubes are the same and the phase angle between the 2 vectors
(in timebase) is exactly 90 degrees, under this condition we have CIRCULAR polarization.
Any other combination between these two limits gives ELLIPTICAL polarization.***

From this theory, if we talking for Circular polarity is obvious that,
its easier to achieve.... Elliptical polarization, than the wanted Circular !
Is high enough just... a small fault (incorrectly phase stamp, bad matching etc)
as the Circular polarization happens only when the two electrical vectors
have 90? difference in phase, all the rest cases give Elliptical and Linear polarization!

>
> "Imagine two aerials on a horizontal boom mounted at 45 degrees but
> at 90 degrees to eachother ... (a common way of mounting
> aerials) ...
> but instead of using a phasing harness to obtain circular
> polarisation you feed them in parallel ...1 aerial delayed by 90
> electrical degrees ... " I reckon that also can be achieved by
> placing 1 driven element 1/4 wavelenght from the other.
>
>

In practice, the necessary phase's difference (90?) in our antennas
is possible to achieve with two common methods:
Electrical & Physical.

1)Electrical:
by adding an Electrical-length "Quarter wave" coaxial
(e "Lampda/4")
which acts as "delay section", in series with first (or second)
antenna-feeder.

Supposing that, we have two Cross-Antennas, the No1 and No2.

If the No1 antenna-feeding is delayed in Phase by 90? from No2 antenna,
this system generates CW Circular polarization.
The opposite polarization (CCW) happens If the No2 antenna delayed in
Phase by 90? from the No1 antenna.
However, if the 2 antennas are not exactly 50 Ohms or they have strong
enough
inductive or capacitive behavior (+j / -j), then the overall feeding
system
(spitter + phase stub) is possible to occur serious problems in the antenna
feeding. For example, the feeding is not equal between the two antennas.
If we have unequal power-feeding in two crossed-antennas, the polarization
is 100%
Elliptical !
(absolutely unwanted effect!!!)

2)Physical
In this case we don't need electric-delay like a Lambpa/4-coaxial,
but the Circular polarization can
be achieved
by "sliding" (shifting) forward the No1 from No2, a "Quarter-Wave" space
in order to be able the necessary
difference in phase. But, that is possible
ONLY when the Elements of both crossed-Yagis are into the same (common)
Boom.
Advantage: Simplest and very accurate method. Without "delay-phasing stub"
in series with coaxial's splitter, the power-distributing on both antennas
is
EQUAL from
splitter, regardless of SWR.

(for more info take a view in this Group into FILES/Satellite
Antennas/circular-polarizitaion.pdf {Including an excellent article about
this method by OZ2OE})
http://groups.yahoo.com/group/eu-amsat/files/Satellite%20Antennas/

> I guess where I go wrong is the coupling of "each 50 ohm aerial to a
> phasing line ... (to give 100 ohm) ... then connect both aerials in
> parallel to get back to 50 ohm". Could you explain this a bit more.
> Normally you feed the two antenna through a splitter made from two
> 75 ohm quater wavelength coaxcable. Could you explain how the
> feeding and with what coax this system is done. >
>

Before anything else, just keep in mind the following
"Quarter Wave" formula (the "magic formula"!) :

* ***********
Z = * * (Z1 * Z2)
*

(Z1=SQUARERoot Z1 * Z2
[sorry for graphics, keybords have not symbol for square root!])

Scenario: we have an antenna with Z=100 and we want to connect it with a coaxial 50 Ohms.
Is it possible??

Yes, by using a piece of coaxial cable which acts as a kind of Z-transformer (matching
stub).... but what kind of coaxial is that in order to "match" differents "Z" ?
How many Ohms must be the impedance (Z) of it ?

For the solution, we using the above formula... (Z= SquareRoot Z1*Z2)

Z is the wanted (unknown) "Z".
Z1 the antenna's impedance (100 Ohms)
Z2 the known Coaxial impedance (50 Ohms)

I solve the "magic formula", so we have:

* ***********
Z = * * 100 * 50 => Z=70.7
*

Voila ! The result is about 71 Ohms ! Hmm... Seems like the known impedance of RG-11 !! Yesss!

So, by adding a "Quarter Wave" 75 Ohms Coaxial cable between 100 and 50 Ohms impedances is possible to "matching" these 2 different impedances of 50 & 100
Ohms).
So simple !

May be you thinking that, the RG-11 is 75 Ohms, not 70.7 Ohms, so it is not good enough.
Yes, right, but the missmatch is very-very low, so just forget it. In practice the matching
between a 100 and 50 Ohms impedance by using 75 coaxial cable is almost perfect!

The "splitting" in case of 2 "crossed yagis" for circular polarity following this method with just
the opposite edge's impedance termination from above example.

We have two antennas of 50 Ohms. By using a "Quarter Wave" matching-stub (75 Ohms)
on each one 50 Ohms antenna, we have on the "free" (opposite) edge of each one coaxial an
impedance point with Z=100 Ohms.

If two impedances of 100 Ohms connected in parallel (T-point)
from No1 & No2 antennas, we have 50 Ohms (100/2=50) .
That's all ...!

Note: these 75 Ohm "matching stubs" are always ELECTRICAL(e) "Quarter
Waves".
"Electrical Quarter Wave" means the physical Quarter Wave (Lampda/4) by the
VF (Velocity Factor) of coaxial cable that has been used. (ie for RG-11 the
VF=0.66).
At 145.9 MHZ (satellite subzone) the Lampda/4 = 51.4 cm... so the e*Lampda/4
is:
0.66 * 51.4 =33.9 cm (or 339 mm).

Finally, if the length of a "matching stub" is too short between antenna's
connector
and 'T" point, is possible to multiply that but ALWAYS with an ODD number
(1,3,5 etc)
in order to take enough length of coaxial, for connection between antennas
& T.

NEVER, I repeat NEVER by EVEN multiplier... that because in this case the
Lampda/4 is not any longer
"Quarter Wave", but... "Half Wave" (Lampda/2) if multiplied x2, "Full Wave"
(Lampda) if multiplied x4... etc!
Absolutely different thing from Quarter Wave !
(That because on Lampda/2 the phase difference is not 90 but 180?, so that
is not
under wanted quota of 90? which has the Lampda/4-phasing stub.)

That's all folks... I hope that helps you and sorry for my bad english, but
I'm Greek!

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

????????????? Yahoo!;
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http://mail.yahoo.gr

338. Re: [eu-amsat] Re: Wonder why?.

Yahoo group: eu-amsat
Date: 2006-01-04 20:30:12 UTC
From: SV1BSX
Topic: 317 Message: 338

ph7pcf wrote:

>On the other side guys, bear in mind
>that we're talking about full-
>dulpex sat operaration so it's not
>so difficult also to say that
>you're loosing sat or just end the
>QSO after exchanging the
>essentials for the QSO.

dr Albert,

I don't agree 100%... full-duplex in Satellites is not a "pure" full-duplex operation, as for example on the telephone-line. In this case if you can't hear your interlocutor, you can say to him in real-time "I can't hear you"....
and he will hear it that instantly.
On Satellites that not happens. If the satellite is almost out of my range (near to LOS)
and the other stations talking for 1-2 minutes (bla-bla-bla-bla), I've just one possibility:
an effort from my side for "cross-talking", hoping to hear me (the other station) on Downlink, together with his voice... if this happens then probably I will tell to him:
"sorry, I can't hear you now, the Satellites going to my LOS, I can't hear you any longer".
OK, that is the ideal case.

But, if my downlink is very weak because the Satellite is under difficault angle, how
is possible to do that?
That's what I mean my friend.

>
>
>Mak, the fact that some operators call you
>for 4th,5th etc time must
>be because you're a nice guy .
>

do you think? Unfortunately I've not yet any invitation from... Hollywood's "Star system" !!!
(but I'll hope for that after your comment!)

>Since you're not in for social talks
>I will not call you when I hear you on freq.
>Not even to say goodbye. Just kidding, I know

>that you mean that for many it is interesting to
>work you, but they are not given the oppurtunity
>as others keep calling you.
>
>For me it's different Mak I appriciate to say
>something else then only cq.
>
>73's
>
>Aldert
>PH7PCF

dr Albert,

I have no problem with "social talking" and also I would like to talk on SATs, but if
the time is enough (like HEOs) and the Satellite has low traffic. As I said before, for me the time is not enough on
LEOs, due to short "mutual windows".

On the other hand, I like very much the DX-ing and I have about.... 50000 QSOs on HF
and 301 confirmed countries. I'm not a QSL-collector any longer, so the "CQ" and "59" is not the only one interest for me on Satellites (if that was innuendo about me)... it is not my problem to collect few additional QSL cards through Satellites from neighborhood countries, I have enough cards in order to stoke my... fireplace for the next 10 years!
BUT, if somebody call me every day on the same Satellite and he talk to me between my AOS upto my LOS, that's a problem for me my friend. Is very bore for me! Sorry but that is not a "social talk", definitely.
Especially when the same time I hear other stations which call me and is impossible to answer, as my "window" is too short and a "blablabla-er" makes my
day bad. Really, sometimes I feel so saddness for that. That's I mean.

However, no problem at all dr Albert. Being Greek, I sustain always one of the basic rules of Democracy:

** I disagree with you, but I will support your right
to have a personal and independent opinion, and definitely
I will respect your concept, even in the case where is completely
different of mine.***

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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_____
????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

339. Z matching.

Yahoo group: eu-amsat
Date: 2006-01-04 21:21:24 UTC
From: john hackett
Topic: 339 Message: 339

Perfectly! correct Mak,
In fact you can use the varying impedance and
"electrical lengths" of good conductors to match almost any impedance to any other ... it doesn't necessarily have to be coaxial cable. When you get into the realms of microwave radar, conical, slot and and lens aerials ... (like in the nosecones of fighter planes) ... impedance matching becomes a fine art.

In the old days I used to use a 4 element homebrew electronically switched vertical phased array on 15m and the matching system was a sight to behold! ... hi hi.

I later rescaled this design for 70cm as a satellite array and put it in The (USA) Amsat Journal. It was a lesson in phasing and matching.

Probably a bit too complicated for the reflector generally but I might get round to putting it into the "files" section one day. Actually, I think it may already be in DOGS! ... (I can't remember).

I cut my teeth ... (grew up) ... with Wilkinson power dividers and Pewsey stubs in The Royal Signals.

As you know, many aerial manufacturers deliberately "stretch" the truth ... to sell their products.
Unfortunately, a lot of people believe everything they read and after it's passed a few mouths it becomes a FACT! ... hi hi.

Here's an example ... (from my army days) ... of the story changing by being "passed along".

Operator 1: "Send reinforcements, we're going to advance".

Operator 2: "Send three-and-fourpence, we're going to a dance".

These days I tend not to get involved in aerial discussions because unfortunately there's a lot of rubbish ... (misunderstandings) ... especially on HF with some of the "magic" aerials ... (hi) ... where certain people attempt to change the laws of physics to fit their aerial designs.

As you know Mak, the laws of physics *don't* change ... but various other parameters often do.

I knew! I was right when I wrote ... "Mak understands".

73 John. <la2qaa@...>

340. my usual wee rant

Yahoo group: eu-amsat
Date: 2006-01-05 08:20:37 UTC
From: Piero Calvi-Parisetti
Topic: 340 Message: 340

Dear all,

I have not joined this mailing list a week that I am here already talking about my (and many others') frustration with the lack of information about P3E.

Some of you may perhaps remember the post I made on the amsat-bb list a couple of months back, *after* having given my small financial contribution to the project.

Then, in explicit terms, I declared my respect and admiration for AMSAT-DL, but at the same time I said that I found it incredible that the amateur satellite community is left completely in the dark as to the progress of the construction, the testing, the problems encountered/solved and - most importantly - the prospects for a launch date. Even more incredibly - I think - we are asked to contribute to what is likely to be a very expensive undertaking without the smallest piece of financial information.

My post generated a couple of very supportive private replies from old hands in the trade and a few replies on the BB generally agreeing with what I said. Period.

What can we do to put friendly pressure on AMSAT-DL to be less stingy with information?

71. Piero HB9DSU

*** Music, ham radio and more - http://www.qsl.net/hb9dsu ***

341. Re: my usual wee rant

Yahoo group: eu-amsat
Date: 2006-01-05 08:41:14 UTC
From: Allan Copland
Topic: 340 Message: 341

--- In eu-amsat@yahoogroups.com, "Piero Calvi-Parisetti" <pcalvi@b...>
wrote:
>
> Dear all,
>
> I have not joined this mailing list a week that I am here already
talking
> about my (and many others') frustration with the lack of information
about
> P3E.

Hi Piero.

Its quite normal for information on planned satellites to be sparse.
In part I think its because the designers and builder have more
important concerns than the PR side of things.

You can find some information at..
http://translate.google.com/translate?hl=en&sl=de&u=http://www.amsat-dl.org/p3e/&prev=/sea
rch%3Fq%3Damsat%2Bp3e%26hl%3Den%26lr%3D%26sa%3DG
(if this does not print properly... try the AMSAT DL-Website) where
you can find some information.

With project management generally, nothing seems to happen for a long
time then just when you think it's all about to go horribly wrong,
things sometimes get delivered on time... or almost on time.

The point I'm making is that there's a lot more to satellites (and
other large projects) than the physical item. There's a lot of
paperwork too.

Don't get discouraged.

73 Al.

342. Piero's dilemma.

Yahoo group: eu-amsat
Date: 2006-01-05 09:30:20 UTC
From: john hackett
Topic: 340 Message: 342

Hear hear! Piero ... you have my support on this ... in fact, it's one of the main reasons why Mak, Al and I started this group ... lack of information from Amsat and decisions made without consulting or completely ignoring those who contribute financially to the projects.

In the words of W0EEC the "constructors & planners would be nowhere! without the operators.

73 John. <la2qaa@...>

343. Re: Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-06 19:35:25 UTC
From: ph7pcf
Topic: 323 Message: 343

Thanks Makis,

Ok it's quit clear to me. Practically I guess you can use the Z-transformer discribed on your page

http://www.qsl.net/sv1bsx/gammadip/collinear2.html

I have just a couple of practical questions:
1) Is the lenght of coax between D1 and D2 and the Z-transformer critical by way that it should me a number of 1/4 wave 50 ohm line or should it be just equal parts;
2) I assume that like circulair antenna's, you can make a REP (right elliptical polirased antenna) and a LEP (left elliptical polarised antenna). Wich one is the best one to use for LEO sat's;
3) As you can make LEP and REP, there should also be a possibility to combine all the polarisations together in a switchbox so you can switch between Hor,Vert, RHCP, LHCP, Diagonal 45 deg and Diagonal 135 deg. Do you know if that's been done and is there by any chance a link on the web?

73's

Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
>
> Hi folks,
> Polarization of antennas is a very interesting and sometimes difficult
> case,
> so just few additional "tips" from me.
>
> In order to undestand right the relationship between Linear, Circular and
> Elliptical
> polarization, is necessary few words about the theory... so:
>
> **Theoretically, linear and circular polarization are special cases of
> elliptical
> polarization.
> Consider 2 eletrical vectors at right angles to each other.
> The frequencies are the same, but the magnitubes and phase angles can vary.
> If either one or the other of magnitubes is zero, under this

condition the
> polarization
> is LINEAR.
> If the magnitubes are the same and the phase angle between the 2
vectors
> (in timebase) is exactly 90 degrees, under this condition we have
CIRCULAR
> polarization.
> Any other combination between these two limits gives ELLIPTICAL
> polarization.***
>
> From this theory, if we talking for Circular polarity is obvious
that,
> its easier to achieve.... Elliptical polarization, than the wanted
Circular
> !
> Is high enough just... a small fault (incorrectly phase stamp, bad
matching
> etc)
> as the Circular polarization happens only when the two electrical
vectors
> have 90° difference in phase, all the rest cases give Elliptical
and Linear
> polarization!
>
>
>
> >
> > "Imagine two aerials on a horizontal boom mounted at 45 degrees
but
> > at 90 degrees to eachother ... (a common way of mounting
> > aerials) ...
> > but instead of using a phasing harness to obtain circular
> > polarisation you feed them in parallel ...1 aerial delayed by 90
> > electrical degrees ... " I reckon that also can be achieved by
> > placing 1 driven element 1/4 wavelenght from the other.
> >
> >
>
>
> In practice, the necessary phase's difference (90°) in our antennas
> is possible to achieve with two common methods:
> Electrical & Physical.
>
> 1)Electrical:
> by adding an Electrical-length "Quarter wave" coaxial
> (e "Lampda/4")
> which acts as "delay section", in series with first (or second)
> antenna-feeder.
>

> Supposing that, we have two Cross-Antennas, the No1 and No2.
>
> If the No1 antenna-feeding is delayed in Phase by 90° from No2
antenna,
> this system generates CW Circular polarization.
> The opposite polarization (CCW) happens If the No2 antenna
delayed in
> Phase by 90° from the No1 antenna.
> However, if the 2 antennas are not exactly 50 Ohms or they have
strong
> enough
> inductive or capacitive behavior (+j / -j), then the overall
feeding
> system
> (spitter + phase stub) is possible to occur serious problems in
the antenna
> feeding. For example, the feeding is not equal between the two
antennas.
> If we have unequal power-feeding in two crossed-antennas, the
polarization
> is 100%
> Elliptical !
> (absolutely unwanted effect!!!)
>
>
> 2)Physical
> In this case we don't need electric-delay like a Lambpa/4-coaxial,
> but the Circular polarization can
> be achieved
> by "sliding" (shifting) forward the No1 from No2, a "Quarter-
Wave" space
> in order to be able the necessary
> difference in phase. But, that is possible
> ONLY when the Elements of both crossed-Yagis are into the same
(common)
> Boom.
> Advantage: Simplest and very accurate method. Without "delay-
phasing stub"
> in series with coaxial's splitter, the power-distributing on both
antennas
> is
> EQUAL from
> splitter, regardless of SWR.
>
> (for more info take a view in this Group into FILES/Satellite
> Antennas/circular-polarizitaion.pdf {Including an excellent
article about
> this method by OZ2OE})
> http://groups.yahoo.com/group/eu-amsat/files/Satellite%20Antennas/
>

> > I guess where I go wrong is the coupling of "each 50 ohm aerial
to a
> > phasing line ... (to give 100 ohm) ... then connect both aerials
in
> > parallel to get back to 50 ohm". Could you explain this a bit
more.
> > Normally you feed the two antenna through a splitter made from
two
> > 75 ohm quater wavelength coaxcable. Could you explain how the
> > feeding and with what coax this system is done. >
> >
>
>
> Before anything else, just keep in mind the following
> "Quarter Wave" formula (the "magic formula"!) :
>
>
> * ***********
> Z = * * (Z1 * Z2)
> *
>
>
> (Z1=SQUARERoot Z1 * Z2
> [sorry for graphics, keybords have not symbol for square root!])
>
> Scenario: we have an antenna with Z=100 and we want to connect it
with a
> coaxial 50 Ohms.
> Is it possible??
>
> Yes, by using a piece of coaxial cable which acts as a kind of
> Z-transformer (matching
> stub).... but what kind of coaxial is that in order to "match"
differents
> "Z" ?
> How many Ohms must be the impedance (Z) of it ?
>
> For the solution, we using the above formula... (Z= SquareRoot
Z1*Z2)
>
> Z is the wanted (unknown) "Z".
> Z1 the antenna's impedance (100 Ohms)
> Z2 the known Coaxial impedance (50 Ohms)
>
> I solve the "magic formula", so we have:
>
>
>
> * ***********
> Z = * * 100 * 50 => Z=70.7

> *
>
>
> Voila ! The result is about 71 Ohms ! Hmm... Seems like the known
impedance
> of RG-11 !! Yesss!
>
> So, by adding a "Quarter Wave" 75 Ohms Coaxial cable between 100
and 50 Ohms
> impedances is possible to "matching" these 2 different impedances
of 50 &
> 100
> Ohms).
> So simple !
>
> May be you thinking that, the RG-11 is 75 Ohms, not 70.7 Ohms, so
it is not
> good enough.
> Yes, right, but the missmatch is very-very low, so just forget it.
In
> practice the matching
> between a 100 and 50 Ohms impedance by using 75 coaxial cable is
almost
> perfect!
>
> The "splitting" in case of 2 "crossed yagis" for circular polarity
following
> this method with just
> the opposite edge's impedance termination from above example.
>
> We have two antennas of 50 Ohms. By using a "Quarter Wave"
matching-stub (75
> Ohms)
> on each one 50 Ohms antenna, we have on the "free" (opposite)
edge of each
> one coaxial an
> impedance point with Z=100 Ohms.
> If two impedances of 100 Ohms connected in parallel (T-point)
> from No1 & No2 antennas, we have 50 Ohms (100/2=50) .
> That's all ...!
>
> Note: these 75 Ohm "matching stubs" are always ELECTRICAL
(e) "Quarter
> Waves".
> "Electrical Quarter Wave" means the physical Quarter Wave
(Lampda/4) by the
> VF (Velocity Factor) of coaxial cable that has been used. (ie for
RG-11 the
> VF=0.66).
> At 145.9 MHZ (satellite subzone) the Lampda/4 = 51.4 cm... so the

e*Lampda/4
> is:
> 0.66 * 51.4 =33.9 cm (or 339 mm).
>
> Finally, if the length of a "matching stub" is too short between
antenna's
> connector
> and 'T" point, is possible to multiply that but ALWAYS with an ODD
number
> (1,3,5 etc)
> in order to take enough length of coaxial, for connection between
antennas
> & T.
>
> NEVER, I repeat NEVER by EVEN multiplier... that because in this
case the
> Lampda/4 is not any longer
> "Quarter Wave", but... "Half Wave" (Lampda/2) if multiplied
x2, "Full Wave"
> (Lampda) if multiplied x4... etc!
> Absolutely different thing from Quarter Wave !
> (That because on Lampda/2 the phase difference is not 90 but 180°,
so that
> is not
> under wanted quota of 90° which has the Lampda/4-phasing stub.)
>
> That's all folks... I hope that helps you and sorry for my bad
english, but
> I'm Greek!
>
> 73, Mak SV1BSX
>
>
>
> sv1bsx@y...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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> http://mail.yahoo.gr
>

344. Times have *not* changed.

Yahoo group: eu-amsat
Date: 2006-01-06 19:44:55 UTC
From: john hackett
Topic: 344 Message: 344

SATGEN from 2001.

Recent developements including scores of University and Academy launches , plus AO40, have been an enormous disappointment.

(Note the following FACT ... La2qaa).

With the whole complement providing less communications than a single RS12.

Meanwhile reading the pre-election notes of candidates for the Amsat Board reveals no apparent concern at this decline.

Once touted as the comms media for the world, Amsat is declining into a mere footnote in the history of Amateur Radio ... and would be Board members appear not to have noticed.

GM4IHJ (SK) endorsed by La2qaa.

345. FO-29: take "two" !

Yahoo group: eu-amsat
Date: 2006-01-07 05:39:08 UTC
From: SV1BSX
Topic: 345 Message: 345

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Today morning I noticed that, this period FO-29 has maximum height (1320 Km) above Equatorial - central Africa , due to eccentricity of Satellite. This effect

346. Re: [eu-amsat] Re: Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-07 08:36:58 UTC
From: SV1BSX
Topic: 323 Message: 346

From: "ph7pcf" <PH7PCF@...>

>Thanks Makis,
>
>Ok it's quit clear to me. Practically I guess you can use the Z-
>transformer discribed on your page
>
>http://www.qsl.net/sv1bsx/gammadip/collinear2.html
>

NEGATIVE! This technique is lightly different Albert. It's more complicated
and
has additional solders & connections between the coaxial's pieces.
I followed this technique just because the dipoles have a
piece of coaxial in order to construct the Gamma-match. However, in this
case the coaxial (Z1 on my pictures) between Gamma and Z-TR is Lampda/2
50Ohm coaxial (or 2*Lampda/2= 1 Lampda, has no any difference) in order to
keep the VSWR stable, but it is not a matching-stub.
The matcing from 50 Ohms to 100 Ohms becomes from the Z-TR coaxial piece,
which is 75Ohm e*Lampda/4 (e=electric). The two "Z-TR" are the
"matching-stubs" !
So you don't need to follow this technique, but put directly 1*eLampda/4 or
3*eLampda/4
or 5*eLampda/4 (75Ohm Coaxial) from each one antenna, upto "T" connector,
depend on necessary "spacing" between each one antenna and "T".
Works just the same but is a simplest one method.

>I have just a couple of practical questions:
>1) Is the lenght of coax between D1 and D2 and the Z-transformer
>critical by way that it should me a number of 1/4 wave 50 ohm line
>or should it be just equal parts;
>
I suppose to cover you with my previous answer (above).

>2) I assume that like circulair antenna's, you can make a REP (right
>elliptical polirased antenna) and a LEP (left elliptical polarised
>antenna). Wich one is the best one to use for LEO sat's;
>
>
I think my friend, you are ...."in love" with Elliptical polarization! Can
you explain me WHY, please? Elliptical is "OUT OF USE" !
On Satellites we use mainly CIRCULAR polarization. Due to AMSAT's standards,
the polarity is CW (or RHCP =Right Hand Circular Polar.)
Sometimes, on LEOs Sats, because the spacecrafts are close enough to the
Earth, they
have spin, they mooving fast, we have also the Farraday effect etc. etc.

etc., sometimes-
not always, sometimes the polarity is possible to be changed randomly. But that is not a problem on receiving,
because the LEOs are close enough and they have strong enough signals.... it is not like a HEO... 60000Km far away and almost "stable" in the space, like the "dead" now AO-40 which was very weak and the polarity was too much important case for the best signal. So just forget it that on LEOs. Use CW polarity and "you are the champion"... that's all.

Keep in mind that, the main problem is the opposite polarization. Nothing more.
For example, if the SAT has CW and you have CCW, the loss is -30 dB.
Also on ground stations the loss between Vertical & Horizontal pol. is also -30dB.
BUT, between CW or CCW and Vertical polarity, the loss is ...only -3dB !
That explains how is possible several stations, they can work Satellites by using
Linear polarity ! Of course, they have -3dB loss, OK. But on the other hand they using
just the ..same antennas with ground stations. About the -3dB loss ???
Hmmm...who cares for just -3dB , if they have the simplicity of a Linear antenna? I believe... nobody !
(I'm also one of them!)

>3) As you can make LEP and REP, there should also be a possibility
>to combine all the polarisations together in a switchbox so you can
>switch between Hor,Vert, RHCP, LHCP, Diagonal 45 deg and Diagonal
>135 deg. Do you know if that's been done and is there by any chance
>a link on the web?
>
...I've no idea about REP and LEP but definitely, they exist few diagrams on Books for "switchable polarization" by using 2 crossed Yagis. These systems offer RHCP, LHCP, Vert & HOR polarization. Nothing more.
I don't suggest you that because a similar switchable system needs high enough experience
in the homebrewing, as including a large number of "phase stubs" which sometimes are difficult constructions. Don't forget, if a "phase stub" is fault,
the necessary phase-difference can vary far away from 90?, and that is very-very bad
story for the final result on a similar antenna-system.
Additional, a similar system especially on UHF band needs Hi-Quality (silvered) Coaxial relays with the respective N-type connectors in order to keep the losses as low as possible on UHF band, and here we talking for... expensive pieces! And you need several of them, with the necessary "control box" into Shack etc.
However, if you have still interest about, I have a drawning with an arrangement for crossed Yagi's feeding which provides various polarizations.
Just let me know.

>
>73's
>
>Aldert
>PH7PCF

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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????????????? Yahoo!;
????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
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http://mail.yahoo.gr

347. RE: [eu-amsat] FO-29: take "two" !

Yahoo group: eu-amsat
Date: 2006-01-07 09:13:20 UTC
From: john hackett
Topic: 345 Message: 347

Hello Mak,
Thanks for the information re: FO-29 but my DX chasing days
are long! gone.

The only award I value highly is my QRP 2w ... (all CW) ...20m DXCC ...
(best DX = ZL) ... I didn't even bother to apply for several others ...
(though I have the actual QSL cards to "prove" the contacts) ... CW, RTTY
etc ... this was HF of course ... (25 years ago).

In the early 90's I used to work predominantly on FO-20, with Japan every
morning and The USA, Alaska and Canada every evening. AO-10 and AO-13 gave
me all the DX I ever needed. These days I just prefer relaxed contact with
whomever happens to be on at any particular time ... just lazy! I guess Mak.

I don't have any "wanted" countries at all. If we ever get a P3E I'll
probably bump into Alain and Dimitri but I'm much too lazy to go chasing
other stations Mak. If it happens it happens, if it doesn't, no problem.

73 John.

348. Elliptical polarisation on LEO's.

Yahoo group: eu-amsat
Date: 2006-01-07 09:27:09 UTC
From: john hackett
Topic: 323 Message: 348

Hello Mak,
I fear Aldert may have possibly misunderstood what I told him
about elliptical polarisation.
I have since had a *LONG* chat with him on Echolink and explained things in
more detail.

The fact of the matter is ... as you correctly state, the polarisation
RECEIVING a LEO satellite doesn't make a scrap of difference! in practical
terms for COMMUNICATION ... unless you have the opposite sense of CIRCULAR
polarisation ... which is what you said, that's correct.

The other point to bear in mind is that the polarisation from a TRANSMITTING
antenna is only truly circular at the ZENITH of the beam ... in all other
directions it will be either horizontal, vertical or elliptical CONSTANTLY
CHANGING ... depending on the spin rate and the orientation of the satellite
at any particular time relative to the RECEIVING station.

Two other points to consider ... two stations seperated by more than 500Km
hardly ever! receive exactly the same signal (see above) ... as well as
natural propagation phenomena in different locations.

I also explained about the BMEWS radar effects on AO-7 over the Greenland
Icecap ... Allan and I did extensive work on this a few years ago).

73 John.

349. Europeans on AO-7.

Yahoo group: eu-amsat
Date: 2006-01-07 17:10:40 UTC
From: john hackett
Topic: 349 Message: 349

Worro! Chaps,
It's been said by some of those guys on the other side
of the pond ... (Americans) ... that the EUROPEANS are not very active on
AO-7.

The statistics tell a different story ...

LA2QAA ... 1st placed European.
G1WPR -... 2nd placed European.
PA0HOP ... 3rd placed European.
ON2AFC ... 4th placed European.
PH7PCF .... 5th placed European.

The last time I checked ... Norway, The UK, Holland and Belgium were *all*
in Europe.

Seriously, I'll try to place the proverbial well aimed boot ...(up the bum)
... and see if it can help to generate a bit more interest around the East
coast "over there".

Joe SZH seems to be the only American station interested in traversing the
pond these days.

NB. The current statistics ... (of those that log on) ... can be seen on the
log page at ...

<http://www.emilyshouse.com/experthams/ao7/ao7log.php>

73 John. <la2qaa@...>

350. Phased Arrays.

Yahoo group: eu-amsat
Date: 2006-01-07 19:58:18 UTC
From: John Alan Hackett.
Topic: 350 Message: 350

Hello Folks,
The 7Mb zipped file I originally attached was probably
too large for the reflector so my mail bounced back.

Here's the original mail. Anyone interested in further details can
contact me and I'll send the file by other means.
.....

PHASED ARRAYS.

Those amateurs seriously interested in phased arrays ... (please
note the word "seriously") ... will know that the BMEWS ...
(Ballistic Missile Early Warning System) ... radars operate on the
principle of electronically switched phased arrays.

Many years ago I got tired of my common or garden variety rotor
becoming a block of ice in the winter and decided there must be a
better system. Having been trained in the use of Taurus sub
reflectors in front of switchable multiple LNA's feeding parabolic
refelectors I decided to try this system for tracking amateur
satellites.

It worked, albeit poorly ... covering less than 90 degrees ... (at a
push) ... in the horizontal plane.

Considering the problem, I remembered that 25 years ago I used to
use an electronically switched phased array on HF that covered 360
degrees with a fair amount of gain. The great advantage being that I
could turn the beam a whole 360 degrees in 3 seconds (!).

Consequently, I used the same principle to design a 70cm
electronically switched phased array for LEO's.

Those with digital electronic skills would have no problem
redesigning the phasing system and getting the electronics to
increment scan varying azimuth and elevations ... (this is
precisely! how the BMEWS radars operate).

Horizontal beamwidths and vertical radiation angles can both be
implimented by the use of a combination of element lengths and
phasing ... however ... BE WARNED! ... the slightest mismatch
ANYWHERE in the system will result in a failure to acheave the
desired result.

The revised article, from the September/October issue of The 1998
Amsat Journal is attached as 6 x zip files ... (total 7Mb) ... this
is because LA2QAA is as thick as two short planks! when it comes to

computers and doesn't even know! how to make a pdf file.

For those not being able to receive such a large file, beg, borrow or steal the old Amsat Journal.

73 John. <la2qaa@...>

351. TR8CA QRV !

Yahoo group: eu-amsat
Date: 2006-01-08 08:03:05 UTC
From: Jean-Jacques DE REY
Topic: 351 Message: 351

Hello All,

first of all, good wishes for 2006 ... for health & prosperity and lots of fun with the hobby !

I worked TR8CA Alain from Libreville today on FO29. He will be QRV as well on AO-7. Big signal, no problems to make QSO !

QSL mgr is F6CBC

73s and CU on sat !

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11OC

Mail :
Web :
APRS server:
FTP : j.derey@...
http://www.on7eq.com
http://on7eq.homeip.net
ftp://on7eq.homeip.net

352. Re: [eu-amsat] TR8CA QRV !

Yahoo group: eu-amsat
Date: 2006-01-08 20:43:45 UTC
From: SV1BSX
Topic: 351 Message: 352

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

FB Jean-Jacques !

Best Wishes also for 2006.

73, Mak SV1BSX

----- Original Message -----
From: Jean-Jacques DE REY
To:

353. AO-51 kids day

Yahoo group: eu-amsat
Date: 2006-01-08 20:49:18 UTC
From: ph7pcf
Topic: 353 Message: 353

Nice initiative I must say to let the kids working via sat.

This evening I let my daughter working AO-51. In 2 passes she made 8 QSO and I must say that some amateurs really made an effort to let her enjoy the QSO's. On the other hand my daughter is only 8 years old, doesn't speak english (her dad also) so she had to keep it to the 3 lines I wrote down and wich we practiced.

QSO's were made with EX8MLT, UR4LRH, DL3JIN, M1CUE, PD5DJ, OK2FRP, CT1BGE and 2E1HKC. Her QSO with Paul OK2FRP was even mentioned on the DX cluster by Mak. Haha it was my daughter who made the QSO with OK2FRP Mak. By the way congratulations with your QSO with NA1SS.

This is really an interessing way to get kids interested into amateur radio.Unfortunately I did not hear any other kids on AO-51. When I showed my daughter on the map to wich countries she had been talking to, her eyes became a bit larger hihi.

73's

Aldert
PH7PCF

354. RE: [eu-amsat] AO-51 kids day

Yahoo group: eu-amsat
Date: 2006-01-09 08:02:01 UTC
From: john hackett
Topic: 353 Message: 354

Aldert,
Though I don't work AO-51 myself ... (FM ... Arrrrggghh!) ... from your report I have to say, this is an excellent! way to perhaps turn the trend of the decline of Amateur radio satellite operating/interest ... and get the younger people involved.

I never thought I'd say this ... (hi) ... but hats off to Amsat and all who took part in this initiative.

73 John. <la2qaa@...>

355. AO-27

Yahoo group: eu-amsat
Date: 2006-01-11 15:37:58 UTC
From: SV1BSX
Topic: 355 Message: 355

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi folks,

yesterday & today I didn t hear the AO-27. Is it active? anybody heard something?

73, Mak SV1BSX

sv1bsx@yahoo.gr
http://www.qsl.net/sv1bsx

LAN

356. Re: [eu-amsat] AO-27

Yahoo group: eu-amsat
Date: 2006-01-11 21:54:47 UTC
From: TERRY BROMLEY
Topic: 355 Message: 356

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi Mak heard it this afternoon , very busy could not get in. Terry G1WPR. ... From: SV1BSX To: EU-Amsat Sent:

357. AO-7 Mode-A

Yahoo group: eu-amsat
Date: 2006-01-12 03:22:57 UTC
From: SV1BSX
Topic: 357 Message: 357

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Yesterday night, I headr again after a long time the AO-7 QRV on Mode-A!
It was over Africa and unfortunately too late for a QSO with Alain, TR8CA.
My return

358. RE: [eu-amsat] AO-7 Mode-A

Yahoo group: eu-amsat
Date: 2006-01-12 08:41:07 UTC
From: john hackett
Topic: 357 Message: 358

Mak,
You can always check which mode AO-7 is in by looking at the last few QSO's at The AO-7 Resource Page.

Remember, the mode chosen is random but it seems to favour mode-B in winter and mode-A in summer ... note also that the satellite doesn't always stay in the same mode all day.

From this and other of it's peculiarities we can assume it's a female! ... (Don't shoot me Emily, I'm only the messenger).

73 John.

359. Eclipse and mode changes on AO-7.

Yahoo group: eu-amsat
Date: 2006-01-12 20:03:16 UTC
From: John Alan Hackett.
Topic: 359 Message: 359

First of all, AO-7 will *not* be in eclipse for some considerable time.

Long time users will already be familar with the apparent random mode changes.

The more recent operators may not be familiar with all the idiosyncracies of this particular satellite.

Most operators know that some of the switching circuits failed a long time ago ... but they didn't all fail.

When the satellite is in mode-B excessive uplink power causes the satellite to switch to mode-C ... which is a lower power version of mode-B ... (now approximately 400mW) ... making it more difficult to work the satellite.

It had previously been speculated that the mode switching was completely random, due mainly to the amount of sunlight the satellite was seeing. However, in this particular period of time, now that it's never in eclipse ... and the mode still changes ... it suggests that the mode-B/mode-A change may also be power related.

Though the mode-B beacon transmits incorrect frames of telemetry it does! transmit ... and this can be used as a power reference.

The majority of operators prefer to use mode-B, therefore it's IMPERATIVE! to reference your downlink to the beacon and not to transmit with more uplink power than is necessary to communicate.

The same rules apply to AO-7 as to other satellites. If you can't hear your own downlink but you see from the log that other operators are having QSO's ... improve your receive capability.

PLEASE REMEMBER ... AO-7 is a QRP satellite ... a low power satellite is better than no satellite at all ... don't be a power hog and spoil it for the other operators ... please!.

73 John.

361. AO-7 News.

Yahoo group: eu-amsat
Date: 2006-01-12 22:25:18 UTC
From: John Alan Hackett.
Topic: 361 Message: 361

AO-7 NEWS.

THE AO-7 RESOURCE PAGE now has a new extensive "roll back" log.

73 John. <la2qaa@...>

362. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-01-12 23:41:20 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 362

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Antennas/Yagis_performance.gif
Uploaded by : sv1bsx <sv1bsx@...>
Description : Commercial Yagis performance table

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Antennas/Yagis_performance.gif

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

363. FodTrack & NOVA

Yahoo group: eu-amsat
Date: 2006-01-13 02:40:16 UTC
From: gi_poli
Topic: 363 Message: 363

Hello,

anybody with experience about NOVA & Fodtrack in this Group?

73, George

364. Re: [eu-amsat] FodTrack & NOVA

Yahoo group: eu-amsat
Date: 2006-01-13 03:02:15 UTC
From: SV1BSX
Topic: 363 Message: 364

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi George,

yes, I m using NOVA + Fodtrack the last 2 years.
If you have any question let me know.

73, Mak SV1BSX

----- Original Message -----
From:

365. AO-7 User Guidelines.

Yahoo group: eu-amsat
Date: 2006-01-13 08:24:15 UTC
From: John Alan Hackett.
Topic: 365 Message: 365

User Guidelines

AO-7 is a tough old bird, but it does have some weaknesses. Those of us who use her respect those weaknesses, and in many ways we feel a special communial bond, much like Leopold's quote. It is important for all who use AO-7 to realize that the greatest risk to successful operation is using excessive power.

Here are some general guidelines that should help you make the most of AO-7:

Use efficient antennas with receiver pre-amps. You should be able to hear very weak signals without needing a lot of power. This isn't UO-14 and power will not be an advantage - in fact it will be a disadvantage.

Keep your power low. Generally you can work AO-7 on 5 watts or less. You may need to increase power if it is at a distance, but be sure to reduce power as the satellite approaches.
Keep your power low, especially in Mode B. Currently AO-7's mode B uplink is in the middle of the 70cm weak signal band. Excessive power may interfere with other services in that band, and may be considered a spurious out of band emission.

IMPORTANT!.

Listen for FM from AO-7's transmitter. If you hear your signal FM, you are putting too much power into the bird. Reduce power and the situation should correct itself.

Keep to the middle of the passband. The strongest signals are in the middle of the passband and you will need less power to hear your downlink.

Use CW if possible. CW strains the power system on AO-7 the least.

Frequency and Mode Information.

Mode-A: / Mode-B:
Type: 2m to 10m non-inverting translator

Type: 70 cm to 2m inverting translator

Mode-A. Uplink: 145.850 to 145.950 MHz CW/USB

Mode-B. Uplink: 432-125 to 432-175MHz CW/LSB

Mode-A. Downlink: 29.40 to 29.50 mHz CW/USB

Mode-B. Downlink: 145.975 to 145.925 MHz CW/USB

Beacon: 29.502 Mhz CW Telemetry

Beacon: 145.9775 MHz CW Telemetry

Additional Beacons:
70cm: 435.1, 850hz FSK TTY
17cm 2304.1 - Disabled

Additional Modes
Mode C: Low Power (2W) version of Mode B

73 La2qaa. <la2qaa@...>

366. USA contacts on AO-7.

Yahoo group: eu-amsat
Date: 2006-01-13 17:29:47 UTC
From: John Alan Hackett.
Topic: 366 Message: 366

I was asked to round up a few more stateside stations who were
interested in working "over the pond" via AO-7.

I'm in the process of doing this.

Listen out for ...

K8DID Ron Lutz in Michigan
K7DID Deanne Lutz (Ron's daughter)

Ron will be monitoring all passes with a window to Europe.
He has a *BIG* signal on mode-A.

73 John. <la2qaa@...>

367. Re: [eu-amsat] USA contacts on AO-7.

Yahoo group: eu-amsat
Date: 2006-01-13 23:10:11 UTC
From: SV1BSX
Topic: 366 Message: 367

Hello John ,

tks for info, also K3SZH from PA (FN10OG) is interested from overseas QSOs.

I had a chat with him on ON4KST's chat-room about the possibility for a QSO between US-SV
"over the pond" via AO-7.
Extremely difficult... but I will try it ASAP. I wait for better WX conditions and then I will
climb in the East of Athens mountain (900m ASL), in order to have good access into AO-7 at 1-3? Elevation.
I'm not sure 100%, I think that will be the 1st QSO between US-SV via AO-7 (of course in CW mode!)
Proposals about small, portable antennas for 10m Downlinks (if AO-7 is QRV on Mode-A)
are welcome.

73, Mak SV1BSX

----- Original Message -----
From: "John Alan Hackett." <la2qaa@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, January 13, 2006 7:29 PM
Subject: [eu-amsat] USA contacts on AO-7.

> I was asked to round up a few more stateside stations who were
> interested in working "over the pond" via AO-7.
>
> I'm in the process of doing this.
>
> Listen out for ...
>
> K8DID Ron Lutz in Michigan
> K7DID Deanne Lutz (Ron's daughter)
>
> Ron will be monitoring all passes with a window to Europe.
> He has a *BIG* signal on mode-A.
>
> 73 John. <la2qaa@...>
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> Yahoo! Groups Links
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http://mail.yahoo.gr

368. Re: FodTrack & NOVA

Yahoo group: eu-amsat
Date: 2006-01-14 01:59:20 UTC
From: gi_poli
Topic: 363 Message: 368

Hi Mak,

tks for reply oldman. I tried the FoDtrack and I found that,
the "termination point"
of Azimuth is straight forward to.... SOUTH (180 deg.)!!!
That is a problem for me, my rotator has "stopper switch" on North (0
deg) and not SOUTH !
Is it normal that ????????????!!!!????????!!!!!!?????
(I'll blow my stack!)

73, George

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
>
> Hi George,
>
> yes, I'm using NOVA + Fodtrack the last 2 years.
> If you have any question let me know.
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "gi_poli" <gi_poli@y...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Friday, January 13, 2006 4:40 AM
> Subject: [eu-amsat] FodTrack & NOVA
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>
> > Hello,
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> > anybody with experience about NOVA & Fodtrack in this Group?
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> > 73, George
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> http://mail.yahoo.gr
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369. Re: [eu-amsat] Re: FodTrack & NOVA

Yahoo group: eu-amsat
Date: 2006-01-14 14:38:10 UTC
From: SV1BSX
Topic: 363 Message: 369

George,

Yes, you have right 100% ! NOVA with FodTrack has this problem. I don't know
what version you have, I'm using the 2v1 version and yes, I had also this problem.
If your rotator has "termination switch" to North, a simple solution is :
just "turn" your antenna system (rotator's base) in the opposite direction
(by 180?) in order to be able to terminate your antenna system to SOUTH
(and not to the NORTH as happens now).

Of course, if you want to keep in use your OLD Azimuth control for "Manual operation",
that's a problem because in case you have a difference of 180? in Az-meter,
your antenna will pointing to the opposite direction from the Azimuth
read-out ! (ie readout =180? => antenna = 0? /// or readout=90? =>
antenna=270? etc).

If the Azimuth-meter is Analogue coil-meter, no big problem. Just a new "label" with
new bearing-values must be printed (that I did also). But in case you have
a DVM (Digital Volt Meter) readout, its obvious that you have definitely significant problem,
as the "0" Volts is in South, +1.8 Volts in North and +3.599 Volts again
directly to South (at 179?) !!!
Precisely opposite from that which needs a DVM !
It's a really difficult problem that, I have not any solution to suggest
you (if you find something - let me know!).

On the other hand, I had read a similar post in Amsat-BB several months ago. An American
user of NOVA he had written that, the version 2v1 of NOVA is not unique (depended on
download's epoch)! As he wrote, he has a version without this problem ! I
don't know if that is truth... I tried also with latest download-version,
but the problem remains just the same.
NOVA needs 0 Volts direct to SOUTH ! Nothing changed to me !

However, the original Fodtrack-program (written by XQ2FOD I think, for DOS O/S)
including the necessary "config" file in order to put the "termination point" in NORTH
or alternative to SOUTH!
That's great, but it happens only in case where you run the "original"
DOS program, not NOVA.

I hope that helps you. If you want any additional info, just let me know "off" the list.

73, Mak SV1BSX

----- Original Message -----
From: "gi_poli" <gi_poli@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, January 14, 2006 3:59 AM
Subject: [eu-amsat] Re: FodTrack & NOVA

Hi Mak,

tks for reply oldman. I tried the FoDtrack and I found that,
the "termination point"
of Azimuth is straight forward to.... SOUTH (180 deg.)!!!
That is a problem for me, my rotator has "stopper switch" on North (0 deg) and not SOUTH !
Is it normal that ?????????????!!!!????????!!!!!!?????
(I'll blow my stack!)

73, George

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@y...> wrote:
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> Hi George,
>
> yes, I'm using NOVA + Fodtrack the last 2 years.
> If you have any question let me know.
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "gi_poli" <gi_poli@y...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Friday, January 13, 2006 4:40 AM
> Subject: [eu-amsat] FodTrack & NOVA
>
>
> > Hello,
> >
> > anybody with experience about NOVA & Fodtrack in this Group?
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> > 73, George
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> > Yahoo! Groups Links

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> http://mail.yahoo.gr
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Yahoo! Groups Links

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http://mail.yahoo.gr

370. AO-7 Mode changes.

Yahoo group: eu-amsat
Date: 2006-01-15 10:42:35 UTC
From: John Alan Hackett.
Topic: 370 Message: 370

Hi all,

AO-7 Mode changes in the last 7 days.

Date. Time. Mode.

09 Jan 08:30 mode-A
10 Jan 08:30 mode-B
11 Jan 08:30 mode A
12 Jan 08:30 mode-B
13 Jan 08:30 mode-A
14 Jan 08:30 mode-B
15 Jan 08:30 mode A

This suggests that the 24 hour timer *is* working.

Why? ... I need the circuit diagrams to answer that ... watch this space ... (pun intentional).

73 John.

371. RE: [eu-amsat] AO-7 Mode changes.

Yahoo group: eu-amsat
Date: 2006-01-15 18:25:44 UTC
From: Piero Calvi-Parisetti
Topic: 370 Message: 371

Very interesting stuff, John. In fact, I also seem to have noticed that the bird is more often in mode A than it used to of late. Keep us informed of progress in your research. 73 Piero >-- Original Message -- >To: eu-amsat@yahoogroups.com >From: "John Alan Hackett." >Date: Sun, 15 Jan 2006 10:42:35 -0000 >Subject: [eu-amsat] AO-7 Mode changes. >Reply-To: eu-amsat@yahoogroups.com > > > > > > >Hi all,
>
>AO-7 Mode changes in the last 7 days.
>
>Date. Time. Mode.
>
>09 Jan 08:30 mode-A
>10 Jan 08:30 mode-B
>11 Jan 08:30 mode A
>12 Jan 08:30 mode-B
>13 Jan 08:30 mode-A
>14 Jan 08:30 mode-B
>15 Jan 08:30 mode A
>
>This suggests that the 24 hour timer *is* working.
>
>Why? ... I need the circuit diagrams to answer that ... watch this
>space ... (pun intentional).
>
>73 John.
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> Craft hobby (http://groups.yahoo.com/gads?t=ms&k=Craft+hobby&w1=Craft+hobby&w2=Hobbies+and+crafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+outlet&c=6&s=122&.sig=rVaJ62SENdod8_xw8bRVUg) >
>
> Hobbies and crafts (http://groups.yahoo.com/gads?t=ms&k=Hobbies+and+crafts&w1=Craft+hobby&w2=Hobbies+and+crafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+outlet&c=6&s=122&.sig=S5Ifqvn3pPIPCemJXVNBbw) >
>
> Ham radio antenna (http://groups.yahoo.com/gads?t=ms&k=Ham+radio+antenna&w1=Craft+hobby&w2=Hobbies+and+crafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+ou

tlet&c=6&s=122&.sig=gpzy6-7cHVB1OLKtuKJFuw) >
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> Ham radio (http://groups.yahoo.com/gads?t=ms&k=Ham+radio&w1=Craft+hobby&w2=Hobbies+and+c
rafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+outlet&c=6&s=122&.
sig=rqBmss9K07TSN8ezgAmcdw) >
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> Ham radio sales (http://groups.yahoo.com/gads?t=ms&k=Ham+radio+sales&w1=Craft+hobby&w2=H
obbies+and+crafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+outlet
&c=6&s=122&.sig=PlI1eQimQP6aEuTilReYIg) >
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> Ham radio outlet (http://groups.yahoo.com/gads?t=ms&k=Ham+radio+outlet&w1=Craft+hobby&w2
=Hobbies+and+crafts&w3=Ham+radio+antenna&w4=Ham+radio&w5=Ham+radio+sales&w6=Ham+radio+outl
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- Visit your group "eu-amsat (http://groups.yahoo.com/group/eu-amsat)" on the web.
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- To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com
>
- Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
(http://docs.yahoo.com/info/terms/). > >
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> > > > > > > > *** Music, ham radio and more - http://www.qsl.net/hb9dsu ***

372. AO-7.

Yahoo group: eu-amsat
Date: 2006-01-16 11:16:31 UTC
From: john hackett
Topic: 372 Message: 372

Hi All,
Perusing the various reflectors, it appears that there may be some confusion as to the mode changes on AO-7 lately.

According to tabulated data the satellite will not be in eclipse again until at least March 2006.

Monitoring the last 7 days suggests that the 24 hour timer is operating as it was designed to do ... (31 years ago!) ... that is to say, it's changing modes from mode-A to mode-B every 24 hours at approximately 08:30 UTC.

Points to ponder ...

Hitting AO-7 with too much power *will* ensure mode-B changes to mode-C ... (a low power version of mode-B) ... which transmits with approximately 300 - 400 mW only.

CW should be used whenever possible ... (for obvious reasons) ... AO-7 is a QRP satellite.
SSB should be used at sensible power levels ... enough to communicate, no more.

Recommended power levels (and modes) can be found at ...

<http://www.emilyshouse.com/experthams/ao7/ao7log.php>

By clicking on the various links you will find everything you need to know to successfully operate via AO-7. Emily has kindly provided a new link to help you understand the eclipse situation.

Remember! ... a solar powered satellite ... (no batteries) ... is better than no satellite at all.

Any "new" information will immediately be posted on the EU-Amsat reflector.

73 John. <la2qaa@...>

373. Full duplex.

Yahoo group: eu-amsat
Date: 2006-01-16 12:04:31 UTC
From: John Alan Hackett.
Topic: 373 Message: 373

AO-7 is full duplex folks.

SPACE = The final front EAR!.

(with apologies to GM1SXX).

73 John. <la2qaa@...>

374. Re: [eu-amsat] AO-7 Mode changes.

Yahoo group: eu-amsat
Date: 2006-01-16 14:53:50 UTC
From: SV1BSX
Topic: 370 Message: 374

.... GREAT JOB John ! Congratulations.

Today (16 Jan) is QRV on Mode-B according your predictions.

Confirming that have a look at last 5 Satellite DX-spots:

1355Z DX de dd7pc: 145948.0 K8DID tks Ron Sat AO-7 K
1212Z DX de dd7pc: 145948.0 K3SZH tks QSO Sat AO-7 vy Marco K
1211Z DX de dd7pc: 145948.0 G1WPR tks QSO Sat AO-7 vy Marco
1027Z DX de dd7pc: 145946.0 ES1RF tks QSO Sat AO-7
1024Z DX de dd7pc: 145949.0 MM5AJW tks QSO Sat AO-7

... what a bird ! good job also from DD7PC!

73, Mak SV1BSX

----- Original Message -----
From: "John Alan Hackett." <la2qaa@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, January 15, 2006 12:42 PM
Subject: [eu-amsat] AO-7 Mode changes.

> Hi all,
>
> AO-7 Mode changes in the last 7 days.
>
> Date. Time. Mode.
>
> 09 Jan 08:30 mode-A
> 10 Jan 08:30 mode-B
> 11 Jan 08:30 mode A
> 12 Jan 08:30 mode-B
> 13 Jan 08:30 mode-A
> 14 Jan 08:30 mode-B
> 15 Jan 08:30 mode A
>
> This suggests that the 24 hour timer *is* working.
>
> Why? ... I need the circuit diagrams to answer that ... watch this
> space ... (pun intentional).
>
> 73 John.
>
>
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>

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>
> Yahoo! Groups Links
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>
>
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????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

375. Times have *not* changed./ Freeloaders.

Yahoo group: eu-amsat
Date: 2006-01-16 22:40:56 UTC
From: Allan Copland
Topic: 344 Message: 375

--- In eu-amsat@yahoogroups.com, "john hackett" <la2qaa@a...> wrote:
>
> SATGEN from 2001.
>
> Recent developements including scores of University and Academy
> launches , plus AO40, have been an enormous disappointment.
>
Strange that no-one at AMSAT has woken up to the fact that many of these 'me-too' satellites use amateur radio frequencies on what are essentially commercial missions. Could I suggest that financial cost of the radio spectrum has much to do with this choice?

Getting back telemetry and experimental data from University satellites *should* really take place on commercially 'paid for' frequencies and not be hosted under the guise of being 'amateur radio' satellites, when there are no communications transponders and the primary mission is simly not in the benefit of the amateur radio community.

IMHO Uosat1 started the rot with UoSAT2 following close behind. Having seen that there was not a great furore about experimental university satellites hijacking amateur frequencies, the floodgates opened and it seems that University satellites somehow have 'the right' to use amateur frequencies for non-amateur missions.

I don't have any problem with amateur radio spacecraft carrying useful amateur radio payloads such as transponders but surely the amateur bands should be reserved for use by radio amateurs and not university groups flying quasi-commercial payloads under the weak guise of being allocated an AMSAT Oscar number!

Would you expect a genuine amateur radio payload to operate on the commercial radio bands? Of course not... so why have commercial payloads using amateur frequencies for data download?

Sure, it could be argued that the RF spectrum is expensive but is that in itself justification for university projects to use amateur frequencies? I doubt it.

In the real world, its called freeloading and it's greatly frowned upon.

73 Al.
GM1SXX

376. AO-7 Resource Page queries or complaints.

Yahoo group: eu-amsat
Date: 2006-01-16 22:43:02 UTC
From: John Alan Hackett.
Topic: 376 Message: 376

Hi All,
On the newly updated "AO-7 Resource Page" ...
(you'll be automatically redirected there from the old page)
... you will now find a "contacts" link.

By clicking on this link and filling out the form, your query
...(or complaint) ... will be automatically directed to both
W0EEC and LA2QAA.

73 John.

377. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-01-18 02:46:05 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 377

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Antennas/dl6wu.zip
Uploaded by : sv1bsx <sv1bsx@...>
Description : DL6UW Antenna's design program

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Antennas/dl6wu.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

378. AO-7 Predictability.

Yahoo group: eu-amsat
Date: 2006-01-18 10:51:06 UTC
From: john hackett
Topic: 378 Message: 378

Between the 9th and 19th of January I've observed the mode change from A to B on AO-7 to be consistent and regular. This shows that the 24 hour timer is functioning as it was designed to do ... 31 years! ago.

I assume the reason for the present "predictable" mode changes to be the fact that the satellite is not, nor will be, in eclipse until at least March.

After checking the log on "THE AO-7 RESOURCE PAGE" I estimated the switchover to be at
approximately 08:30 UTC daily. However, on the 17th of January, I noticed the changeover happened at precisely 08:57 ... in the middle of a Mode-B QSO with UA9CP ... so I immediately switched to mode-A and carried on the QSO ... therby confirming the time of the mode change on that particular day.

Speculating ... this deviation could be due to the extra temperature seen by the satellite while not in eclipse. Those interesting in the orbital mechanics can plug the date and time into their favourite tracking program and "see" where the satellite was. The newly updated "AO-7 RESOURCE PAGE" now contains links to charts showing the current eclipse forcast.

The designers of this particular piece of hardware must be somewhat surprised that it's still functioning after 31 years in space, taking into account the radiation bashing it must have experienced in the last three decades.

Perhaps AO-7 is not yet finished with dishing out surprises.

The ESA and NASA take note!.

73 John. <la2qaa@...>

379. Re: [eu-amsat] AO-7 Predictability.

Yahoo group: eu-amsat
Date: 2006-01-19 10:05:48 UTC
From: SV1BSX
Topic: 378 Message: 379

John,
today morning the AO-7 switched from Mode-B to Mode-A at 08:59 UTC.
I was looking before 08:59 and I heard 2 tuning-signals around 145950, so
was obvious that the bird was QRV on Mode-B.
After 08:59 the signals stopped.

I switched my Rigs to Mode-A and I heard the F6BYJ (Jep) "loud & clear" on
29449,
he sent "CQ CQ CQ de F6BYJ" on CW!
I had a short QSO with Jep (09:05 UTC) by using my old .... GP-antenna
and .... 15 Watts Power on key!!!
Great QSO ! Signal reports was 559 from both sides (AO-7 was over
Gibraltar.)
AO-7 seems to be in excellent-excellent shape !
I enjoyed this QSO with my GP-antenna !

73, Mak SV1BSX

----- Original Message -----
From: "john hackett" <la2qaa@...>
To: <Amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>; <allan_gm1sxx@...>
Sent: Wednesday, January 18, 2006 12:51 PM
Subject: [eu-amsat] AO-7 Predictability.

> Between the 9th and 19th of January I've observed the mode change from A
to
> B on AO-7 to be consistent and regular. This shows that the 24 hour timer
is
> functioning as it was designed to do ... 31 years! ago.
>
> I assume the reason for the present "predictable" mode changes to be the
> fact that the satellite is not, nor will be, in eclipse until at least
> March.
>
> After checking the log on "THE AO-7 RESOURCE PAGE" I estimated the
> switchover to be at
> approximately 08:30 UTC daily. However, on the 17th of January, I noticed
> the changeover happened at precisely 08:57 ... in the middle of a Mode-B
QSO
> with UA9CP ... so I immediately switched to mode-A and carried on the QSO
> ... therby confirming the time of the mode change on that particular day.
>
> Speculating ... this deviation could be due to the extra temperature seen
by
> the satellite while not in eclipse. Those interesting in the orbital

> mechanics can plug the date and time into their favourite tracking program
> and "see" where the satellite was. The newly updated "AO-7 RESOURCE PAGE"
> now contains links to charts showing the current eclipse forcast.
>
> The designers of this particular piece of hardware must be somewhat
> surprised that it's still functioning after 31 years in space, taking into
> account the radiation bashing it must have experienced in the last three
> decades.
>
> Perhaps AO-7 is not yet finished with dishing out surprises.
>
> The ESA and NASA take note!.
>
> 73 John. <la2qaa@...>
>
>
>
>
>
> Yahoo! Groups Links
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????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

380. FW: AO-7 Logbook Website Contact - Comment

Yahoo group: eu-amsat
Date: 2006-01-19 13:20:13 UTC
From: john hackett
Topic: 380 Message: 380

Hello Al,
I think you'll find the following mail of extreme interest.

The work we did re: the radar dosage was apparently not in vain.

We're planning a new pane on the log page for 2C ... (the 24 hour timer parameter) ... that will show the mode whenever the beacon is functional.

All satellite enthusiasts "should" read Jan's comments.

73 John. <la2qaa@...>
.....
.....

>From: AO-7 Logbook Website Contact - Comment <postmaster@...>
>Reply-To: w3gey@...
>To: emily@...,la2qaa@...
>Subject: AO-7 Logbook Website Contact - Comment
>Date: Thu, 19 Jan 2006 04:28:45 -0800
>
>The following message was received from the AO-7 Logbook website on 19 Jan,
>2006 at 04:28
>
>Email: w3gey@... Reason for Contact: Comment
>
>Message Text:
>All,
>
>Nice to find this website and realize that the work I did 32-34 years ago
>is still paying off. It\'s interesting that a small culture has emerged
>that views the satellite very differently than the original users did 30
>years ago. I\'m quite amazed at the number of QSOs that are being made
>each day and month. I had no idea!
>
>If there is any interest in photos or documents about this satellite
>system, I\'m sure they can be made available. I have a lot of stuff still
>around my home, for instance. By the way, the original documentation for
>the program is now at AMSAT-NA headquarters and the person that should be
>able to access it is archivist and dear friend Dick Daniels, W4PUJ
>(w4puj@...). All the schematics and drawings are there somewhere.
>
>You may also be interested to know that, given the age of this satellite,
>there could be many interesting and valuable technical papers written for
>amateur or professional journals. This satellite is now one of the oldest
>\"working\" satellites ever launched. Some of the circuitry employed,
>according to NASA experts, should have never survived this long and the

>orbit of AO-7 is fairly harsh, radiation-wise. So, there would be some
>good credit to be had for writing a few good papers. And, never have a set
>of solid state devices gotten more use(and abuse)!
>
>Good luck to all of the users of AO-7. This old bird occupies an entire
>chapter of my life and it\'s amazing to think that some users today may not
>have even been born at the time of its launch. -- Unbelievable. I was 24
>years old when I began working on this project in my basement. The entire
>satellite was assembled and functionally tested there. I\'m now nearly 59.
> It\'s sure gone a long distance since I saw it last. It\'s still my
>favorite satellite of them all.
>
>73\'s,
>
>Jan A. King W3GEY/VK4GEY
>Noosa, Queensland, Australia
>20 January, 2006
.....
.....

381. OBSERBVATIONS FROM NORWAY.

Yahoo group: eu-amsat
Date: 2006-01-21 12:04:38 UTC
From: John Alan Hackett.
Topic: 381 Message: 381

OBSERBVATIONS FROM NORWAY.

Jan: 2006.

AO-7 MODE-CHANGES.

For those that requested more informasjon on AO-7's mode changes and the 24 hour timer that controls this change.

On page 6 of the December 1974 Amsat newsletter the timer is described thus ...

The 24 hour timer is derived from a 3.181457Mhz crystal followed by 39 divide by 2 counters (you can do the math yourself.....LA2QAA).

However, after having been in contact With Jan King W3GEY ... (now VK3GEY) ... whom was the project manager for AO-7 and helped design and build the satellite ... (together with Karl Meinzer DJ4ZC, among others) ... in his garasje 30 odd years ago, I have been given the following informasjon.

(Those satellite enthusiasts who don't recognise those callsigns ought to be lined up against a wall and shot!).

The timer uses a simple CD4001AD RC oscillator comprising 1 x capacitor and 1 x resistor (!) ... not particularly accurate but then it was never meant to be. Space (pun intentional) was at a premium and the priority was on the actual RF transponders ... because even under testing on the ground there was a mode-B command RX desense problem ... (which was never fixed).

What must be remembered here is that this was before the days of the NE555 timers ... (not that they're particularly accurate either) ... buffered CMOS and case-hardened chips were not available in those days ... imagine the radiation dose AO-7 has experienced in the last 31 years.

The CD4001 RC oscillator was followed by 22 divider stages. Karl Meinzer felt that accuracy wasn't that importan ... which it wasn't ...the emphisis was on low power consumption. Naturally, such a circuit was prone to drift but even that wasn't important either ... and anyway, who would have expected it to perform in a space environment more than 30 years! later ... (ok, so it hibernated for 20 years).

The general idea of the clock ... which is parameter 2C in the beacon telemetry ... was ... no, *is* to increment until it reached 96 ...this can be seen by the telemetry 2C parameter changing every 15 minutes ...

(ok!, pencils out ...how many 15 minute periods are there in 24 hours?) ... then when it reached 96 it would trip the circuit that would change the mode from A to B ... (or vice-versa) ... reset, and start counting again.

Amazingly!, 34 years later, while AO-7 is out of eclips, the counter is still clocking up the milage.

Unfortunately, the beacon is not as healthy as it once was due to lack of power ... ("Gators" take note!) ...
so copying the telemetry is still quite a random affair, even though to all intents and purposes the transponders are functioning ... this, despite the extreme radiation dose that is most certainly *not* good for the solar array.

However, the sun angle is still good so there's no reason why AO-7 shouldn't prove many more years of communication possibilities ... providing! we all use a bit of common sense and follow the recommended operating proceedures outlined on the AO-7 RESOURCE PAGE.

This page, and "everything ou need to know" about operating AO-7 can be found at ...

<http://www.planetemily.com/ao7/redirected.php>

PS.

The current mode changes ... (between A, B and C) ... occur between 08:30 and 09:00 UTC daily. This *may* or *may* not change back to "random" after the spring of 2006. If you can't hear (or copy) the telemetry just check the AO-7 log page for the current mode.

73 LA2QAA & GM1SXX <la2qaa@...>

382. Change of callsign.

Yahoo group: eu-amsat
Date: 2006-01-28 18:53:11 UTC
From: John Alan Hackett.
Topic: 382 Message: 382

Hi All,
As of this morning 28-01-2006 W0EEC Emily has
changed her callsign to N1DID.

73 John. <la2qaa@...>

383. New satellite page.

Yahoo group: eu-amsat
Date: 2006-01-30 13:19:51 UTC
From: John Alan Hackett.
Topic: 383 Message: 383

Hello Al,
Check out the following URL.

<http://www.observations.me.uk/>

Feedback welcome ... criticism to GM1SXX and praise to LA2QAA.

73 John. <la2qaa@...>

384. SuitSat Info

Yahoo group: eu-amsat
Date: 2006-01-30 20:40:54 UTC
From: Trevor AKA
Topic: 384 Message: 384

Just a reminder that a number of articles on SuitSat can be seen at:

http://www.southgatearc.org/news/index.htm

73 Trevor M5AKA

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
---

_____
Yahoo! Photos ? NEW, now offering a quality print service from just 8p a photo
http://uk.photos.yahoo.com

385. Fw: P3E launch in 2006?

Yahoo group: eu-amsat
Date: 2006-01-31 01:04:48 UTC
From: SV1BSX
Topic: 385 Message: 385

----- Original Message -----
From: "Peter Guelzow" <peter.guelzow@...>

> > NASA Space Calender shows the P3E launch date is set at October 2006.
> > http://www2.jpl.nasa.gov/calendar/
> >

I have informed the owner of the NASA Space Calender, that the published "March 2006" launch date for P3-E is not correct.
Unfortunately this mis-leading information is still there.

In the meantime the solar generator for P3-E was finished and delivered to our Integration Laboratory in Marburg. 5 panels (each Pmax = 35W) were equipped with Si cells and 2 panels (each Pmax = 49W) with GaAs cells. One panel is therefore in reserve. For the P3-E solar panels we use for the first time a new material: Sandwich layers of aluminum honeycomb material and a surface layer from glass fiber/epoxy resin in 6mm strength. The reason for this is, that the special honey honeycomb material used in former times was only available when purchased in enormous quantities and to exorbitant prices. By installing inserts with an electrically conducting adhesive, the electrical conductivity is secured by the aluminum structure of the honeycomb material.
Additionally thick cover glasses were attached, in order to protect the solar cells against the rough conditions in space. For material and expenditure for the production of the panels we had to pay an amount in the order of six digits of Euros .

Further important activities concerned the assembly of the earth and sun sensors, qualifications of the separation spring, final work on the assembly of the solar panels, manufacturing the clamp band for the separation system, preparing for building the wiring harness and various technical meetings to finish the IHU-3 software and designing the new SDX.

I have to apologize that our Web pages are a little bit outdated. But as mentioned in my previous eMail, the transfer of contents to our new CMS system takes somewhat longer than hoped and more time is needed. On the other hand, we currently have to concentrate our efforts to finishing P3-E.

73s

Peter Guelzow, DB2OS
President AMSAT-DL
Project Leader P3-E

_____
$BWqgsilopoie_te(B Yahoo!;

$BBaqeh^jate(B $Bta(B $Bemowkgtij\(B $Blgm}lata(B (spam); $BTo(B Yahoo! Mail
$Bdiah]tei(B $Btg(B $Bjak}teqg(B $Bdumat^(B $Bpqostas_(B $Bjat\(B $Bty(B
$Bemowkgtij~(B $Blgmul\ty(B
http://mail.yahoo.gr

386. Special Commemorative SuitSat QSL Certificate

Yahoo group: eu-amsat
Date: 2006-02-01 08:22:45 UTC
From: Trevor AKA
Topic: 386 Message: 386

A special Commemorative SuitSat QSL Certificate will be available to those sending in reports of SuitSat signal on 145.990 MHz FM. Suitsat is due for launch Friday 3rd Feb at 22:20 UTC and will only transmit for a few days. For further details see

http://www.southgatearc.org/news/february2006/suitsat_qsl_certificate.htm

SpaceWeather.com is providing an alert service to let you know when SuitSat is within range, see

http://www.southgatearc.org/news/february2006/spaceweather_alerts.htm

A Slow Scan TV decoding programme to display the SSTV picture that will be transmitted by SuitSat can be downloaded from

http://mmhamsoft.ham-radio.ch/mmsstv/

Further information on SuitSat can be found at

http://www.southgatearc.org/news/index.htm

To find out when you can hear SuitSat use the AMSAT Online Satellite Pass Predictions page. Suitsat will be in the same orbit as the International Space Station so select ISS

http://www.amsat.org/amsat-new/tools/predict/

AMSAT-UK produce a quarterly newsletter "Oscar News" which is full of Amateur Satellite information. For membership details contact the secretary Jim Heck G3WGM
Tel: +44 (0)1258 453959
E-mail: g3wgm@...
Website: http://www.uk.amsat.org/

73 Trevor M5AKA

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
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Yahoo! Messenger - NEW crystal clear PC to PC calling worldwide with voicemail
http://uk.messenger.yahoo.com

387. *SuitSat*: SPECIAL EDITION

Yahoo group: eu-amsat
Date: 2006-02-01 08:48:34 UTC
From: SV1BSX
Topic: 387 Message: 387

AMSAT NEWS SERVICE
ANS-032

****
****
** SPECIAL SUITSAT EDITION **
****
****

In this special edition:

* Two More Days Until SuitSat!
* Commemorative SuitSat QSL Certificate Will Be Available
* Amateur Radio Performs Key Role in SuitSat's Main Mission
* Area Coordinator Makes Educational Outreach Materials Available On-line
* ISS Packet Turned Off for Duration of SuitSat
* ISS Cross-Band Repeater May Relay SuitSat Signals on 437.800 MHz
* How to Receive SuitSat's SSTV Image
* SuitSat Web Link Compendium

SB SAT @ AMSAT $ANS-032.01
Two More Days Until SuitSat!

AMSAT News Service Bulletin 032.01
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.01

Frank Bauer, KA3HDO, who is the ARISS International Chairman and AMSAT's V.P. for Human Spaceflight Programs, reminds us if all goes well, SuitSat will be deployed in 2 days. Are you ready?

SuitSat will be deployed during a Russian EVA scheduled to take place on Friday, February 3 at approximately 22:20 UTC. NASA TV will provide live coverage starting at 21:30 UTC. For digital downlink information and access to NASA TV's Public Channel on the Web in RealPlayer, RealAudio, or Windows Media Player formats, visit http://www.nasa.gov/ntv.

Once the crew is outside on their EVA, they turn all three switches on the control box to the ON position and deploy the spacesuit from ISS. About eight minutes after the crew flips the three switches the Kenwood transmitter will power up. About eight minutes after that, the first voicetelemetry message will be transmitted and SuitSat operations begin! This 16 minute delay is a crew safety measure.

Next, Russian Cosmonaut Tokarev will carefully jettison SuitSat-1 by pushing the suit away at about a 30-degree angle upward and about 10 degrees to the left of the back of the station.

Once activated, those who hear SuitSat transmissions on 145.99 MHz are asked to enter their realtime data on the SuitSat website, http://www.suitsat.org/ so that participants around the world can track the satellite.

When first released SuitSat will be in pretty much the same orbit as the International Space Station. This means initially the ISS tracking parameters can also be used to track SuitSat. SuitSat will not have any thrust to maintain its orbit so it will begin to reenter the Earth's atmosphere after a few weeks. As SuitSat's orbit decays it will "fall" closer to Earth. As the days go by, SuitSat's lower orbit will begin to lead the ISS orbit so you will need to begin listening a few minutes earlier than when the ISS is predicted to come over your location.

You can track the location of the ISS on the AMSAT website at:
http://www.amsat.org/amsat-new/tools/predict/satloc.php?lang=en&satellite=IS
S

You can also get a listing of ISS passes at:
http://www.amsat.org/amsat-new/tools/predict/
Just enter your location and select the ISS.

Educational Outreach reports (at schools or informal education sites) as well as Slow Scan TV images can be sent to suitsat@.... This information will be compiled by the ARISS team.

[ANS thanks Frank, KA3HDO and the ARISS Team for the above information]

/EX

SB SAT @ AMSAT $ANS-032.02
Commemorative SuitSat QSL Certificate Will Be Available

AMSAT News Service Bulletin 032.02
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.02

Students, scouts, teachers, ham radio operators, and the general public are encouraged to track the space suit, hear the conversations from space, copy the suit telemetry and capture the picture.

There will also be a special endorsement on the award certificate for those students who receive the "special words" that are embedded in the messages from our SuitSat student "crew members." These special words are in different languages - English, French, German, Spanish, Russian, and Japanese. You are encouraged to record the SuitSat downlink audio

and get help from fellow students who know these languages.

Radio Amateurs, students and teachers who hear SuitSat should send their signal reports with a large (9x12 inch) self-addressed stamped envelope to one of these addresses listed below:

* USA: ARRL Headquarters
SuitSat QSL
225 Main Street
Newington, CT 06111-1494 USA

* Canada: Radio Amateurs of Canada
SuitSat QSL
720 Belfast Road
Suite 217 Ottawa Ontario K1G 0Z5

* Europe: F1MOJ - Mr CANDEBAT Christophe
SuitSat Europe QSL Manager
7 Rue Roger Bernard
30470 AIMARGUES FRANCE

* Japan: SuitSat Japan QSL
JARL International Section
Tokyo 170-8073 JAPAN

* Russia: Alexander Davydov, RN3DK
Novo - Mytishchinsky prospekt 52 - 111
Mytishchi 18
Moskovskaya obl. 141018, RUSSIA

* Other Countries: Please use the US or Canadian address above.

Also included in this spacesuit is a computer Compact Disk (CD) with images of over 300 items collected from schools and educational organizations around the world. These include creative works of art from students as well as student signatures, school or scout logos, and class or group pictures. Students, schools and educational organizations that participated in the development of this disk earlier this year will all be part of the SuitSat spacewalk---as their creative works, signatures and pictures all float in space!

[ANS thanks the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-032.03
Amateur Radio Performs Key Role in SuitSat's Main Mission

AMSAT News Service Bulletin 032.03
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.03

The idea for SuitSat was first conceived by the ARISS-Russia team, led by Sergey Samburov, RV3DR, and was extensively discussed at the joint AMSAT Symposium/ARISS International Partner meeting in October 2004. The project, is being led by project manager A. P. Alexandrov and Deputy Project Manager A. Poleshuk from RSC Energia, located in Korolev (Moscow area) Russia. The project was developed primarily by a joint US/Russian team. On the US side, the hardware project development was led by AMSAT member Lou McFadin, W5DID.

The official name for this mission is SuitSat-1, also called Radioskaf or Radio Sputnik in Russian. SuitSat-1 is the first live test of using the old spacesuits as inexpensive on-orbit platforms for instrumentation, space photography, telemetry, and communications.

Exposed to the full rays of the sun in space will SuitSat be able to operate in these extreme conditions? How will communications be affected if SuitSat begins to tumble? How long will the batteries last? Amateur Radio will be pioneering the answers to these questions in the days to come.

An additional benefit is the opportunity to bring space science into the classroom.

[ANS thanks ARISS-Russia and Energia for the above information]

/EX

SB SAT @ AMSAT $ANS-032.04
Area Coordinator Makes Educational Outreach Materials Available On-line

AMSAT News Service Bulletin 032.04
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.04

Pat Kilroy, N8PK and David Bern, W2LNX provided a well received educational mission this past week to Parkland Middle School in the Washington, DC area. Included below is Pat's documentation which can be used with NASA and AMSAT materials for SuitSat educational opportunities in the coming days.

Also included are photos from the school visit.

SUITSAT: A Special (and Brief) Opportunity
Updated January 25, 2006

Original material is at: http://www.patkilroy.com/amsat-dc/

An old Russian space suit will be tossed off of the ISS during a spacewalk on February 3, 2006 (or after). The suit will be empty inside except for radio gear assembled for a special occasion.

Transmitting nearly continuously, kids around the world will enjoy its spoken messages over the life of the batteries, designed to last for a few days, perhaps a week.

The "SuitSat" will co-orbit with the space station for a while. Atmospheric drag will drift it into "its own" orbit, a decaying one, and will gradually warm up the suit and the stuff inside.

Listen for the 8-minute cycle of announcements when it flies overhead. You will hear "spoken" MET in minutes, the inside temperature in degrees C (not F) and battery voltage telemetry, pre-recorded greetings in multiple languages, a single "cell phone quality" SSTV picture frame in Robot-36 mode, as well as the voice ID on 145.990 MHz FM at 500 mW into its low-gain omni antenna.

SuitSat will re-enter the atmosphere in a few weeks, long after the batteries run dry. Time is of the essence and you ought to prepare now for this unique and fun experiment.

You may download a 6-page color document by Gould Smith, WA4SXM, and Steve Bible, N7HPR, (600 KB in PDF, dated November 5, 2005) at http://www.patkilroy.com/amsat-dc/SuitSat%20-%20A%20Unique%20Satellite.pdf

This has a full description of the event, additional technical details and several great photos. Go to the main AMSAT-NA web site for additional descriptions, late breaking news, and tracking data updated daily after SuitSat is deployed.

For lighter reading you may download a copy of a NASA press release written for kids:
http://www.patkilroy.com/amsat-dc/NASA_SuitSat_kids.pdf

Kids are welcome to take this copy to their school to ask permission to listen for SuitSat during class time. In addition to this press release, a sheet of technical details and the schedule for a televised (and webcast) press conference is offered for their teacher or mentor at: http://www.patkilroy.com/amsat-dc/ANS%20SuitSat%202006-0122pk.pdf

Enjoy these three documents. Each one has links noted where you can get updated information.

For those Amateur Radio operators in the greater Maryland and D.C. area, PLEASE REPORT YOUR OBSERVATIONS to us on the amsat-dc mail list. Of special interest to me are results of antenna A/B tests (omni vs. yagi reception) and your results of Doppler compensation (of how valuable it is or was or was not for the SuitSat experiment). Did you bother to make an audio recording of a pass? WAV or mp3? Any students involved? K-5, 6-8, 9-12, college, family, club or general public demo?

Get this into the schools! PASS THE WORD about this special event to other radio amateurs so they can prepare their station and share the news further.

Have fun!

Sincerely,

Pat Kilroy, N8PK
AMSAT Area Coordinator
Greater MDC Area

[ANS thanks Pat, N8PK for the above information]

/EX

SB SAT @ AMSAT $ANS-032.05
ISS Packet Turned Off for Duration of SuitSat

AMSAT News Service Bulletin 032.05
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.05

For the duration of the SuitSat project, the ISS packet mode will be turned OFF. Please do not transmit any packet or voice data on 145.990 MHz which is also the SuitSat down link frequency.

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.06
ISS Cross-Band Repeater May Relay SuitSat Signals on 437.800 MHz

AMSAT News Service Bulletin 032.06
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.06

There is a possibility that the ISS Kenwood D700 may be configured to act as a telemetry cross band repeater for the SuitSat project.

The Russian team is working on the details to program the D700 to retransmit the telemetry from the SuitSat via 437.800 MHz FM. The reason for the rebroadcast is to extend the listening range of the SuitSat project.

When SuitSat is launched, it will be flying very close to the ISS. As the days go by, the distance between the two satellites will gradually increase to hundreds of miles. SuitSat will eventually lead the ISS by several minutes.

The cross band telemetry mode can in theory double the listening range of the SuitSat project. The 2-6 day battery life of the SuitSat will be the actual limiting factor of this project.

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.07
How to Receive SuitSat's SSTV Image

AMSAT News Service Bulletin 032.07
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.07

Slow Scan Television, or SSTV, is a method used by Amateur Radio stations to send JPG still images around the world. SSTV translates the picture information in an audio format suitable for transmission by radio.

The SuitSat project will transmit telemetry, pre-recorded voice messages and one SSTV image using the Robot 36 format. The message cycle will repeat approximately every 9 minutes.

To view the SSTV image you will need to connect your computer to the speaker of your radio. Your computer will require SSTV decoding software available from the sources below:

ChromaPix
http://www.barberdsp.com/

W95SSTV by Silicon Pixels
http://www.barberdsp.com/w95sstv/w95dload.htm

MMSSTV
http://mmhamsoft.ham-radio.ch/

Start with this web page to help you learn more about Slow Scan TV:
http://www.marexmg.org/fileshtml/sstvlinkpage.html

For tips on how to use SSTV, Packet and Voice via the ISS see:
http://www.marexmg.org/fileshtml/howtouseiss.html

Excellent information with links to SSTV software downloads can be found on W2MU's SSTV Page: http://www.qsl.net/wm2u/sstv.html

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.08
SuitSat Web Link Compendium

AMSAT News Service Bulletin 032.08
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.08

Here is a summary of the key web pages that were contained within the SuitSat on-line messages of the past month.

SuitSat overview and project status:
www.amsat.org
www.rac.ca/ariss
http://www.suitsat.org/
www.issfanclub.com
http://www.amsat.org/amsat/archive/sarex/48hour/threads.html

NASA Education Website information for students:
http://www.nasa.gov/audience/forstudents/k-4/home/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/5-8/features/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/9-12/features/F_Hearing_Voices_From_Space.html
http://www.nasa.gov/audience/forstudents/postsecondary/features/F_Hearing_Voices_From_Space.html

NASA on-orbit photos of SuitSat preparation for deployment:
http://spaceflight.nasa.gov/gallery/images/station/crew-12/ndxpage16.html
http://spaceflight.nasa.gov/gallery/images/station/crew-12/ndxpage17.html

NASA Science press release:
http://science.nasa.gov/headlines/y2006/26jan_suitsat.htm?list791066

The SuitSat press release picked up by the on-line science press with plenty of positive coverage for amateur radio in space:
http://www.universetoday.com/am/publish/suitsat_satellite.html?2612006
http://www.spacedaily.com/reports/SuitSat_To_Be_Thrown_Overboard_February_3.html
http://www.space.com/missionlaunches/060127_exp13_eva2_prep.html
http://science.slashdot.org/

Link to NASA TV Webcasts:
http://www.nasa.gov/ntv

From the Energia Web Site:
http://www.energia.ru/english/energia/iss/researches/techn-35.html

AMSAT-UK Stories on SuitSat:
http://www.southgatearc.org/

New York Times article on SuitSat:
http://www.nytimes.com/2006/01/28/science/28suit.html?_r=1

[ANS thanks the ARISS Team for the above information]

73,
Editor for the SuitSat Special Edition,
JoAnne Maenpaa, WB9JEJ
WB9JEJ at amsat dot org

????????????? Yahoo!;

?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

388. Fw:Re: P3E launch in 2006?

Yahoo group: eu-amsat
Date: 2006-02-03 00:21:29 UTC
From: SV1BSX
Topic: 388 Message: 388

```
----- Original Message -----
From: "Peter Guelzow" <peter.guelzow@...>

Uuuuuuups....

> Peter Guelzow wrote:
> >> NASA Space Calender shows the P3E launch date is set at October 2006.
> >> http://www2.jpl.nasa.gov/calendar/
> >>
> >> I'm not sure its credibility...
> >>
> >>
> >
> >
> > I have informed the owner of the NASA Space Calender, that the published
> > "March 2006" launch date for P3-E is not correct.
> > Unfortunately this mis-leading information is still there.

I just realized that the Space Calender changed the launch for P3-E from
March 2006 to October 2006. ;-)

Still, there is no such official launch date yet..

73s Peter, DB2OS

_____________________________________________________
$BWqgsilopoie_te(B Yahoo!;
$BBaqeh^jate(B $Bta(B $Bemowkgtij\(B $Blgm}lata(B (spam); $BTo(B Yahoo! Mail
$Bdiah]tei(B $Btg(B $Bjak}teqg(B $Bdumat^(B $Bpqostas_(B $Bjat\(B $Bty(B
$Bemowkgtij~(B $Blgmul\ty(B
http://mail.yahoo.gr
```

389. SuitSat Launch Later Today

Yahoo group: eu-amsat
Date: 2006-02-03 00:24:48 UTC
From: Trevor AKA
Topic: 389 Message: 389

A reminder that SuitSat will be launched at 22:20 UTC today. It will transmit on 145.990 MHz FM and a special QSL is available for reports, see

http://www.southgatearc.org/news/february2006/suitsat_qsl_certificate.htm

The latest information and pass predictions can be seen at

http://www.southgatearc.org/news/index.htm

The launch will be broadcast live at

http://www.nasa.gov/multimedia/nasatv/

73 Trevor M5AKA

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
---

_____
To help you stay safe and secure online, we've developed the all new Yahoo! Security Centre. http://uk.security.yahoo.com

390. SuitSat Heard Saturday 0917 UTC

Yahoo group: eu-amsat
Date: 2006-02-04 12:16:28 UTC
From: Trevor AKA
Topic: 390 Message: 390

It was feared that SuitSat was lost see

http://www.southgatearc.org/news/february2006/suitsat_dead.htm

However Achim DH2VA/HB9DUN reports it being heard this morning at 0917 UTC

73 Trevor M5AKA

Suitsat-1 heard 0917UT !

Hello all!

positive report from DL0WH (Clubstation Weinheim)

0917 UT : clear over noise, girls voice: 'This is suitsat-1'

We have it on video tape and just play it back and forth, but even audible
if retransmitted over 2m local :)

In addition strong QRM once every 5 sec from local station trying to
uplink on 145.990.. stupid !

For the second half of the pass also QRM by local cable network leaking
here in the 2m band..

We will try to convert the movie and put it online, but give us some
days..

73s Volker, DF7IT and Achim, DH2VA/HB9DUN

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
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_____
Yahoo! Photos ? NEW, now offering a quality print service from just 8p a photo
http://uk.photos.yahoo.com

391. Calling all AO7 aficionados

Yahoo group: eu-amsat
Date: 2006-02-05 20:30:35 UTC
From: Allan Copland
Topic: 391 Message: 391

Hi Folks.

Phil Karn KA9Q, better known for his contributions to the Internet in the form of KA9Q NOS, maintains a superb library of photographs taken during the construction and launch of AO7. I believe most of the images were taken by Dick Daniels.

The site is excellent and there you can see some of the famous faces of the satellite scene in the 70's. Two I recognised immediately were the ever helpful Jan King W3GEY and Karl Meinzer DJ4ZC.

The archive can be found at..

www.ka9q.net/ao7/

I have also copied this address to the links page.

I strongly recommend a visit for all AO7 fans.

There among other excellent photographs, you can see the battery that has caused so much trouble over the years.

Strangely I cant find a link to it from Phil's main index page... but maybe thats just me, I think I'm going OBS...

Oh, you don't know what OBS means? Well ask LA2QAA.

Kind Regards,
Al.
GM1SXX

392. Amateur Radio satellite Coordination pages IARU.... and a question for readers.

Yahoo group: eu-amsat
Date: 2006-02-07 10:06:23 UTC
From: Allan Copland
Topic: 392 Message: 392

Hi,

There's quite a bit of information re forthcoming birds on the IARU pages.

You can find them at .. http://www.iaru.org/satellite/

Taking a look through them shows a fair number of birds that are downlink only. I imagine this is in large part in order to collect data from University experiments. The British built UoSATs 1&2 were to my understanding the first university birds to start this trend. They were flying test beds for a variety of technology, much of which has been transferred to the commercial sector. SSTL now do much more commercial work now with a change to commercial frequencies having taken place.

Many other Universities have seen and used the opportunity to fly what are essentially scientific and experimental payloads on Downlink only birds using the amateur radio bands. This is not a new phenomenon. In fact John Branegan GM4IHJ mentioned it a considerable time ago in one of his weekly SATGEN bulletins.

I have a question for all European AMSAT-EU group users.

'Do you think downlink only University project satellites have a place in amateur radio satellite service?'

To obtain an Oscar number, a satellite (any satellite) only needs to have a downlink in the amateur radio bands. They don't need to have an uplink or any form of communications transponder(s) on board. They dont need to have been built by radio amateurs either.. they only need a designated 'keeper' who holds an amateur licence and be cleared by IARU to use the amateur bands.

Am I the only person who thinks that University project 'downlink only' satellites should use commercial frequencies and leave the amateur bands free for transponding satellites?

You can contact me off reflector at gm1sxx@... with your views. Do bear in mind that this is a European reflector so I'm only interested in replies from Europe.

Kind Regards,

Allan Copland
GM1SXX

393. RE: [eu-amsat] Amateur Radio satellite Coordination pages IARU.... and a questio

Yahoo group: eu-amsat
Date: 2006-02-07 11:11:38 UTC
From: john hackett
Topic: 392 Message: 393

Hello Al,
University satellites.

Well you already know my views on that one.

Mentioned several times in Oscar News in earlier versions of Observations from Norway.

73 John.

394. Re: [eu-amsat] Amateur Radio satellite Coordination pages IARU.... and a question for readers.

Yahoo group: eu-amsat
Date: 2006-02-07 11:47:53 UTC
From: Jean-Jacques DE REY
Topic: 392 Message: 394

Hello Allan,

I completely agree with your view on the subject.

If payload has neither :

a.. a transponder enabling 2 way HAM-communications
b.. a transmitter providing usefull data to the HAM community
c.. components effectively designed or assembled by HAMs
d.. the possibility for HAMS to build-up experience
Then it has no place in our bands !

Best 73s

Jean-Jacques ON7EQ
----- Original Message -----
From: Allan Copland
To: eu-amsat@yahoogroups.com
Sent: Tuesday, February 07, 2006 11:06 AM
Subject: [eu-amsat] Amateur Radio satellite Coordination pages IARU.... and a question for readers.

Hi,

There's quite a bit of information re forthcoming birds on the IARU pages.

You can find them at .. http://www.iaru.org/satellite/

Taking a look through them shows a fair number of birds that are downlink only. I imagine this is in large part in order to collect data from University experiments. The British built UoSATs 1&2 were to my understanding the first university birds to start this trend. They were flying test beds for a variety of technology, much of which has been transferred to the commercial sector. SSTL now do much more commercial work now with a change to commercial frequencies having taken place.

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'Do you think downlink only University project satellites have a place in amateur radio satellite service?'

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Am I the only person who thinks that University project 'downlink only' satellites should use commercial frequencies and leave the amateur bands free for transponding satellites?

You can contact me off reflector at gm1sxx@amsat.org with your views. Do bear in mind that this is a European reflector so I'm only interested in replies from Europe.

Kind Regards,

Allan Copland
GM1SXX

Yahoo! Groups Links

395. Re: Amateur Radio satellite Coordination pages IARU.... and a questio

Yahoo group: eu-amsat
Date: 2006-02-07 11:53:46 UTC
From: Allan Copland
Topic: 392 Message: 395

Hi Folks.

John says..

--- In eu-amsat@yahoogroups.com, "john hackett" <la2qaa@...> wrote:
>
> Hello Al,
> University satellites.
> Well you already know my views on that one.

Well, I think that was a foregone conclusion, but what do the rest of you think? I'd very much like to hear your views on this subject.

Is there a place for University birds on the amateur bands or should they as I suggest have their own seperate frequency allocation?

For anyone who wants to know more about how Oscar Numbers are allocated, I'd suggest you read the official AMSAT document.

http://www.amsat.org/amsat/amsat-na/oscar.html
You may get a surprise.

Three things are worthy of note.
1) Any bird with a transmitter in the amateur bands that meets several criteria is eligible.
2) Such birds dont have to be of AMSAT origin ... and some indeed have not been.
3) Designated Oscar satellites don't need to carry uplinks in the amateur radio bands.

Item 3 is an open invitation to use amateur radio frequencies for University birds with little or no relevant amateur radio content. They don't need to carry transponders or in fact anything of particular use to the amateur radio satellite community. They only need have a transmitter on board in the amateur radio satellite bands to meet the requirement.

Surely this is some sort of error or omission, or have I missed something here?

What do the rest of the group in AMSAT-Europe think?

Regards,

Allan Copland
GM1SXX

396. Re: [eu-amsat] Amateur Radio satellite Coordination pages IARU.... and a question for readers.

Yahoo group: eu-amsat
Date: 2006-02-07 12:59:37 UTC
From: Trevor AKA
Topic: 392 Message: 396

--- Jean-Jacques DE REY <j.derey@...> wrote:
> If payload has neither :
>
> a.. a transponder enabling 2 way HAM-communications
> b.. a transmitter providing usefull data to the HAM community
> c.. components effectively designed or assembled by HAMs
> d.. the possibility for HAMS to build-up experience
> Then it has no place in our bands !

It's an interesting question, there are about 40 satellites either being built or completed awaiting launch which will use the Amateur Allocations. Almost all of them only provide one-way telemetry transmissions.

The important thing is that the format of the telemetry is made publically available so that Amateurs can make use of it. My understanding is that this is a requirement for a satellite to be given a designated frequency by the IARU co-ordinator and an Oscar number after launch.

University satellites programmes are a very good thing for Amateur Radio. Designing and building satellites fires the imagination of young people and so far many hundreds of young people have been actively involved in designing and constructioning satellites. Granted they are not Hams but that's only because until they got involved in building sats they'd have been totally unaware that a hobby called Amateur Radio even existed. Typically Amateurs don't try to actively promote the hobby to young people. Go to any classroom and ask the students if they've heard of "Amateur Radio" the answer will be a complete blank, no-one under 25 knows about us!!

I am glad to say that some of the students involved with satellite construction have since gone on to because Amateurs.

Put bluntly there is a shortage of Amateurs who are actually prepared to participate in building a satellite themselves. Too many Amateurs expect somebody else to build the satellites for them. We should be thankfull that so many students are being exposed to the hobby by the University satellite programmes because some of them will be ones you'll be building 2-way Amateur communications satellites for us in the years to come.

The rationale behind the Amateur Radio Services is self training and education, University Satellites completely satisfy this objective and they are a good use of frequencies that otherwise would be completely unused.

73 Trevor M5AKA

---------- Chelmsford Amateur Radio Society ----------
Support Essex Air Ambulance - Apply for the Chelmsford Award
See CARS website http://www.g0mwt.org.uk/

_____
To help you stay safe and secure online, we've developed the all new Yahoo! Security Centre. http://uk.security.yahoo.com

397. University satellite experiments.

Yahoo group: eu-amsat
Date: 2006-02-07 14:08:33 UTC
From: John Alan Hackett.
Topic: 397 Message: 397

Hi all,
For what it's worth here's my opinion.

University experiments that have no interest or value
to RADIO AMATEURS should *not* be allowed to be conducted
within the AMATEUR satellite allocation of frequencies.

They should be subject to the same provisions as any other
COMMERCIAL operator.

I concur with Al and JJ on this one.

What next? ... license free CB on 20m?.

73 John. <la2qaa@...>

398. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-02-07 14:35:15 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 398

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /GM1SXX/SGEN268.txt
Uploaded by : allan_gm1sxx <acopland@...>
Description : satgen 268 ... 14th May 1994

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/GM1SXX/SGEN268.txt

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

allan_gm1sxx <acopland@...>

399. Re: Amateur Radio satellite Coordination pages IARU.... and a question ... more

Yahoo group: eu-amsat
Date: 2006-02-07 14:46:44 UTC
From: Allan Copland
Topic: 392 Message: 399

Hi Folks,

It would help me greatly if youd post your answers with a simple YES or NO in front of any text you wish to add. That way, I can keep track of views but not have to make any value judgements as to what those making postings think. Zero Bias if you like.

Additional text with your personal thoughts is very welcome and I'll try to make an archive that will be made available to all as a single file. This has the potential to be of interest to European satellite users. OK, this is only a small group, but your input is what keeps it alive.

Vy 73,

Al.
GM1SXX

400. Re: Amateur Radio satellite Coordination pages IARU.... and a question for reade

Yahoo group: eu-amsat
Date: 2006-02-07 16:18:51 UTC
From: Allan Copland
Topic: 392 Message: 400

Hi,

This one is for Trevor M5AKA.

He said....
> Put bluntly there is a shortage of Amateurs who are actually prepared to participate in building a satellite themselves. Too many Amateurs expect somebody else to build the satellites for them.<

Well, I have to strongly disagree with this comment.
I for one would be delighted to participate in any way I could on a UK led program for a linear Leo Bird. Perhaps a replacement for the ailing but very popular AO7? I'd even be willing to throw some money at such a project.

Building the hardware is only a part of the process. What about the really difficult stuff such as planning, project management, testing, licencing, fundraising, marketing, and the multitude of other less glamorous tasks involved in such a project. I dont see those mentioned.

The UK now has a track record outside of University built birds such as those from the UoS. AMSAT-UK members have already constructed flight hardware for the ill-fated SSETI Express mission. They already have the know-how to construct space rated hardware. The European Space Agency flew their hardware. Does that sound like apathy to anyone?

AMSAT member David Bowman G0MRF already has a working prototype experimental Mode U/V transponder up and running. You can see more on his website. More apathy?

Sorry Trevor, but I don't think there is a shortage of willing hands here in the UK. If there is a problem here in the UK, that's not it.

There may be a shortage of money and there may be a shortage of direction but there *is* expertise available.

Kind Regards,
Al, GM1SXX

401. Re: [eu-amsat] Re: Amateur Radio satellite Coordination pages IARU.... and a question for reade

Yahoo group: eu-amsat
Date: 2006-02-07 18:20:09 UTC
From: Trevor AKA
Topic: 392 Message: 401

--- Allan Copland <acopland@...> wrote:

> Building the hardware is only a part of the process. What about the
> really difficult stuff such as planning, project management, testing,
> licencing, fundraising, marketing, and the multitude of other less
> glamorous tasks involved in such a project.

Absolutely, there's a considerable amount of work involved and such a project needs people with the right skills who are willing to dedicate large amounts of time over a long timescale.

> AMSAT member David Bowman G0MRF already has a working prototype
> experimental Mode U/V transponder up and running. You can see more on
> his website.

Were you at the Annual International AMSAT-UK Colloquium at Guildford last July ? The Stella Mode B transponder that Howard and David developed was one of the many highlights of the event, see http://www.g6lvb.com/Articles/STELLA/
The beauty of the DSP technology is that you'll never have any more problems with Alligator stations. It also solves the dynamic range problems that prevent terrestrial cross-band linear transponders but that's a seperate issue.

> Sorry Trevor, but I don't think there is a shortage of willing hands
> here in the UK. If there is a problem here in the UK, that's not it.

Name me a willing hand prepared to lead the project ? Everybody takes one step back when that subject is raised. Without someone to drive the project forward nothing will get done. Raising the money is not such a big problem. I'd have thought using volunteer labour and a few borrowed parts you could do a LEO Mode A or Mode B satellite for less than 250K.

I was very impressed by the Dutch Delfi-C3 student delegation who attended last July's AMSAT-UK Colloquium. About 16 of them were there all very keen and enthusiastic. For their Mode B satellite, due for launch later this year, they are using a very cheap form of construction for the satellite frame - Three off-the-shelf cubesats modules joined together, certainly a good way to reduce costs. For details of Delfi-C3 see
http://www.stec2005.space.aau.dk/getpdf.php?id=120

I don't know what their for the project costs are but I suspect the coupled cubesat frame approach it could be possible to substantially reduce costs.

73 Trevor M5AKA

To help you stay safe and secure online, we've developed the all new Yahoo! Security

Centre. http://uk.security.yahoo.com

402. Re: [eu-amsat] University satellite experiments.

Yahoo group: eu-amsat
Date: 2006-02-07 18:39:27 UTC
From: Trevor AKA
Topic: 397 Message: 402

--- "John Alan Hackett." <la2qaa@...> wrote:
> What next? ... license free CB on 20m?.

Come on John what has CB to do with this !!

Can you tell me why you think the Amateur Satellite Service should be allocated many MHz of spectrum that they never use ?

If you don't like the experimental work that University Students are carrying out in the bands allocated to the Amateur Satellite Service then the solution is for Amateurs to build lots more satellites - Use it or lose it!

73 Trevor M5AKA

_____
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403. Re: Amateur Radio satellite Coordination pages IARU.... and a question for reade

Yahoo group: eu-amsat
Date: 2006-02-07 20:54:32 UTC
From: Allan Copland
Topic: 392 Message: 403

Hi Trevor.

I started this new thread to answer some of your points raised.
You raised some interesting points in your last reply to me.

I'll try to provide a personal reply to you most relevant criticism
of radio amateurs in the UK with regard to satellite projects.
==========

1) Firstly Cubesats. They have an inadequate power budget to support
a linear transponder, ergo I have absolutely no interest in helping
fund or support such projects.

2) Ditto FM birds. IMHO FM is a completely inappropriate
modulation scheme for satellite comms at the best of times and
teaches users that all the things you should never do on a linear
bird are actually OK to do. They set a the worst example possible
for those wishing to migrate to linear birds.

AMSAT-UK's decision to support just such a bird was why I left... and
joined AMSAT-India instead, to help support the HM-1/Hamsat project.
I'm told I was NOT alone in making this decision. I used to be AMSAT-
UK #3286.

3) I'm have no interest in 'me-too' university birds that don't
carry linear transponders as their primary mission and would not help
fund or support those either.
IMHO we have enough useless me-too projects already in the pipeline.
There are plenty currently listed on the IARU website.

4)I WOULD personally help support and/or fund a project for a low-
tech single-transponder LEO linear bird on the lower frequency
bands. As you probably already know linear birds can support
multiple QSO's while being educational for all concerned. Somewhat
interestingly some people dont seem to realise this proven fact or
appreciate its significance.

5) By lower bands I really mean Mode B but I'd be happy to devote
time, effort and some cash to other options at a pinch so long as it
was for a low-tech single linear transponder LEO bird with a decent
power budget.

6) I WOULD be willing to do mechanical or electronic construction
work thats within my capabilities, especially mechanical.

7) I WOULD also be happy to act as chief scrounger for materials for such a project. I'm pretty good at scrounging.

8) I WOULD also be happy to rope in other competent people to help out, particularly on mechanical components for such a bird. I believe that I could motivate other people in my personal circle of non radio amateur friends to do work on such a bird. I have already asked some of them. The response was favourable.
By this I mean machining and fabrication of structural components and mechanical items

9) I WOULD also be happy to do anything else asked of me that was reasonable. This also includes putting in long hours.

10) I don't class myself as project manager material but with the support of other I DO believe that such a person could be found. (keep reading folks)

11) Without the support of UK radio amateurs, there is no hope of ever finding such a manager, ergo the possible perceived lack of enthusiasm. Chicken and egg.

11) I believe that such a project could be possible to realise with special emphasis on simplicity of design. In short, there's not a lot for 'designers' here but a possibility for longevity of mission through simplicity. Is this not what many users actually want?

12) Yes... I have an agenda. You've just read it. From what I hear asking around, quite a few people are keen on such a project.
The question is, how keen?

Re item 10... If I had to do this job, I probably would, but I'm considerably better at doing other things. I'd seriously consider it if the project had a realistic backing in the UK and Europe.
If I did that job though, I would not be doing a job I can probably do better.

The bottom line is that the supporters of the project are greatly more important than its manager. Bear that in mind.

The US are out of the linear LEO game, so I've been informed.. Phase 2 is over, so no support there.

One other thing to consider is support outside of AMSAT. I believe it exists.

Would any of the other members like to manage such a project?
I'm sure their first response would be.. 'How popular is this idea anyway?' That is a justified response.

How popular IS this idea?

Would I support DSP on such a project. Absolutely , so long as it was up to taking a 200,000 RAD lifetime radiation dose and could be

switched out of circuit on ground command if it failed.

Would I like an OBC on board? Not really, for the same reasons as with DSP. There's not really a lot of need for one on a linear analogue LEO and they have a habit of failing, or at least the RAM does.

CMOS logic is good though. It can take a real beating from radiation and still work. A VERY basic CMOS Single Chip Microcontroller might be OK but they don't have much of a track record. They'd need a good cooking from a gamma source to convince me.

I could ramble on, but I won't.

So, am I apathetic?
Decide for yourself.

Kind Regards,

Al.
GM1SXX

++

--- In eu-amsat@yahoogroups.com, Trevor AKA <m5aka@...> wrote:
>
> --- Allan Copland <acopland@...> wrote:
> ---
> > Building the hardware is only a part of the process. What about
the
> > really difficult stuff such as planning, project management,
testing,
> > licencing, fundraising, marketing, and the multitude of other less
> > glamorous tasks involved in such a project.
>
> Absolutely, there's a considerable amount of work involved and such
a project
> needs people with the right skills who are willing to dedicate
large amounts of
> time over a long timescale.
>
> > AMSAT member David Bowman G0MRF already has a working prototype
> > experimental Mode U/V transponder up and running. You can see
more on
> > his website.
>
> Were you at the Annual International AMSAT-UK Colloquium at
Guildford last July
> ? The Stella Mode B transponder that Howard and David developed was
one of the
> many highlights of the event, see
http://www.g6lvb.com/Articles/STELLA/

> The beauty of the DSP technology is that you'll never have any more
problems
> with Alligator stations. It also solves the dynamic range problems
that prevent
> terrestrial cross-band linear transponders but that's a seperate
issue.
>
> > Sorry Trevor, but I don't think there is a shortage of willing
hands
> > here in the UK. If there is a problem here in the UK, that's not
it.
>
> Name me a willing hand prepared to lead the project ? Everybody
takes one step
> back when that subject is raised. Without someone to drive the
project forward
> nothing will get done. Raising the money is not such a big problem.
I'd have
> thought using volunteer labour and a few borrowed parts you could
do a LEO Mode
> A or Mode B satellite for less than 250K.
>
> I was very impressed by the Dutch Delfi-C3 student delegation who
attended last
> July's AMSAT-UK Colloquium. About 16 of them were there all very
keen and
> enthusiastic. For their Mode B satellite, due for launch later this
year, they
> are using a very cheap form of construction for the satellite
frame - Three
> off-the-shelf cubesats modules joined together, certainly a good
way to reduce
> costs. For details of Delfi-C3 see
> http://www.stec2005.space.aau.dk/getpdf.php?id=120
>
> I don't know what their for the project costs are but I suspect the
coupled
> cubesat frame approach it could be possible to substantially reduce
costs.
>
> 73 Trevor M5AKA
>
>
>
>
>
> _____
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new Yahoo! Security Centre. http://uk.security.yahoo.com
>

404. Re: [eu-amsat] Re: Amateur Radio satellite Coordination pages IARU.... and a question for reade

Yahoo group: eu-amsat
Date: 2006-02-07 22:57:30 UTC
From: Trevor AKA
Topic: 392 Message: 404

--- Allan Copland <acopland@...> wrote:

> 1) Firstly Cubesats. They have an inadequate power budget to support
> a linear transponder, ergo I have absolutely no interest in helping
> fund or support such projects.

Well the students on the Delfi-C3 project will show you how to do it - a satellite carrying a Mode B Linear transponder using three cubesats frames. They've certainly been very innovative given the limited space available.

I am very glad to hear you're prepared to start up a LEO project. As I said earlier I believe the problem is a shortage of volunteers willing do do the work. I will be delighted if I am proved wrong.

73 Trevor M5AKA

_____
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405. Re: [eu-amsat] University satellite experiments.

Yahoo group: eu-amsat
Date: 2006-02-07 23:31:22 UTC
From: Jean-Jacques DE REY
Topic: 397 Message: 405

Hi Trevor M5AKA,

I really wonder how concerned, involved and interested with our hobby/community the students who carry out " ... the experimental work in the bands allocated to the Amateur Satellite Service ... " really are.

I am very much afraid that they dont care very much on which frequency their telemetry is sent to earth... even transmitted by a copper wire it would be fine for them!

Therefore I really dont believe that through the (mis?)use of our frequency bands / spectrum ('... never used ' or not, that is not a valid argument) we are gaining very much added value to our community.

But let us remain open minded and in a positive attitude. Everybody is welcome to join the club, as long as he shows interest for it and wants to get involved ...

If you are really looking for some educational / promotional value (one possible aspect), then make it as wide as possible, by taking for example 'space' to the classroom with some SUITSAT-like project.... or make your transmissions open / documented to public.

Off course the building of a satellite is a very educational value project purely within University, no doubt about it, but the fact that 'private telemetry' is transmitted on a HAM frequencies instead of outside 'our band' is totally not relevant for the project goals and objectives. In fact, not using our band and commercially available equipment could even be an additional educational challenge for the builders : let them design and build antennas, transmitters, receivers, ...

Best 73s

Jean-Jacques ON7EQ

PS1 : Talking about CB ... why don't they use 27 Mhz CB band ? this is completely open to public !

PS2 : If you are in doubt .... PS1 was a joke !

----- Original Message -----
From: Trevor AKA
To: eu-amsat@yahoogroups.com
Sent: Tuesday, February 07, 2006 7:39 PM
Subject: Re: [eu-amsat] University satellite experiments.

--- "John Alan Hackett." <la2qaa@...> wrote:
> What next? ... license free CB on 20m?.

Come on John what has CB to do with this !!

Can you tell me why you think the Amateur Satellite Service should be allocated many MHz of spectrum that they never use ?

If you don't like the experimental work that University Students are carrying out in the bands allocated to the Amateur Satellite Service then the solution is for Amateurs to build lots more satellites - Use it or lose it!

73 Trevor M5AKA

_____
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406. Re: [eu-amsat] Re: Amateur Radio satellite Coordination

Yahoo group: eu-amsat
Date: 2006-02-08 03:26:57 UTC
From: SV1BSX
Topic: 406 Message: 406

Hi,

reading your very interesting opinions, firstly I have to say that I'm
against to any use of Ham-Satellite bands by non radio amateur
organisations, including universities . That's clear enough.

BUT, on the other hand, Trevor M5AKA has absolutely right. As he said the
Amateur Satellite Service is allocated on several MHz of spectrum that they
never use in practice by Amateurs. Its obvious that, the Amateur Radio
community
can not build enough number of Satellites, in order to occupated these
frequancies
high enough. So, some other organisations they find "free space"
of exploitation in our frequencies.

A mere example of this situation is reported on my country. The last
1-2 years the 2,4GHZ Band is used by a Wifi network, which is illegal.
I'm in fight with these peoples, I'm trying to explain that the 2.4GHZ is
not free but belongs to Amateur Satellite Service.
The short answer was: "is used? by who? we monitored this band and
never used the last 3 years by nobody" !
Believe that is it a "Greek pattent" ? NO ! As I learned several other
countries have similar problems by WiFi Networks. The problem begins from
WiFi-cards factories that manufacture these cards into... our 2.4GHz
Satellite Band !

So Gentlemans, I prefer to have few Satellites from known universities or
similar
organisations into the Amateur Satellite band which is UNDER AMSAT's control
,
than an non usable Satellite Band which soon or later will be lost. Yes, I
know, it is
not the best but in order to avoid the worst situation, rather it will be
better to
accept the reality.

Finally, few words about SUITSAT. Yes, I was also one people that I said:
"what a fun & stupid experiment".
But now its obvious that, it is one of the most popular Amateur radio events
during the
last years. Good or not, grand or funny, was reported from the biggest
Media-News
organisations, TV Satellite channels like CNN, NBC etc. (including
Al-Jazeera !!!)

The SuitSat URL had 2 millions hits in the first two days!!! Incredible
!!!

Well, definitely that is not too ...funny story. The profit for the Amateur
Radio is very big.
Very-very positive.
And definitely our hobby needs this kind of publicity in
order to attract "newcomers". Since our hobby passes crisis from the
Internet's goodies, high technology etc., it is better we are realists.
Better you are realist, despite a dreamer, I think.

73, Mak, SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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_____
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????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ????????
http://mail.yahoo.gr

407. Re: Amateur Radio satellite Coordination

Yahoo group: eu-amsat
Date: 2006-02-08 08:24:14 UTC
From: Allan Copland
Topic: 406 Message: 407

Hi Mak,

You said..
> Trevor M5AKA has absolutely right. As he said the
> Amateur Satellite Service is allocated on several MHz of spectrum
that they
> never use in practice by Amateurs.

I agree with you both there, but take a look at the frequencies that the 'me-too' university projects will use before suggesting that they will be helping fill the higher frequency bands. There I disagree with both of you.

The simple fact is that the higher frequency bands are not so heavily occupied. More University birds wont alter that, especially if they are Cubesats as a great many are. Think Power Budget.

> A mere example of this situation is reported on my country. The last
> 1-2 years the 2,4GHZ Band is used by a Wifi network, which is illegal.
> I'm in fight with these peoples, I'm trying to explain that the
2.4GHZ is
> not free but belongs to Amateur Satellite Service.

Yet again, I have to disagree with you there. The 2.4Ghz band is in my understanding an ISM (Industrial, Scientific & Medical) band. Unregulated in so much as anyone can use it. Lots of microwave ovens use it (they leak RF), as does industrial machinery (it leaks RF also). Where I live, 2.4Ghz is crammed full of signals of all sorts. My Wirelss LAN also uses 2.4Ghz as do many hundreds of thousands of others in the UK. Giving radio amateurs access to 2.4Ghz was not a great concession to the authorities. It was essentially already allocated to all sorts of machinery!

2.4Ghz certainly does *not* 'belong' to the amateur satellite Service. The amateur satellite service is listed as a Secondary User in IARU Region 1. We have to accept interference from the primary users. That would be microwave ovens, WLANS and welding equipment among other things.

Re suitsat. Can you talk through it? Does it do anything useful for you except to test the limits of your equipment? Will it provide a 'service' for the amateur satellite community in even six months time? I personally dont see the point of it except as a bit of (fortunately) short lived amusement. This is only my personal view to which I'm entitled and don't have to share with others. Your view is obviously different. Thats fine by me. I have no problem with people disagreeing with me. In fact, thats a good thing and hopefully can

stimulate further debate.

Kind Regards,
Al.
GM1SXX

408. Re: [eu-amsat] University satellite experiments.

Yahoo group: eu-amsat
Date: 2006-02-08 08:43:34 UTC
From: Trevor AKA
Topic: 397 Message: 408

--- Jean-Jacques DE REY <j.derey@...> wrote:
> I really wonder how concerned, involved and interested with our
> hobby/community the students who carry out " ... the experimental work in
> the bands allocated to the Amateur Satellite Service ... " really are.

The students had never even heard of Amateur Radio until they get involved in the Satellite projects but that's probably true of anyone who's under 25, they just don't know that Amateur Radio exists.

> Off course the building of a satellite is a very educational value project
> purely within University, no doubt about it, but the fact that 'private
> telemetry' is transmitted on a HAM frequencies instead of outside 'our band'
> is totally not relevant for the project goals and objectives.

The details of the telemetry is available to everyone and Amateurs can make full use of it for their own experiments/research and some do. Amateurs need to build their own satellites to make use of their spectrum so that others can't use it instead. There are lots of other companies/organisations who would like to use the empty Amateur frequencies, the educational use of these frequencies is the least of our problems.

Governments of all countries regard having their students develop the high tech skills needed to design/build/management satellites as being very definitely in the national interest.

I think the Amateur Community needs to develop better links with Universities and work with them so that more satellites are produced that meet both our needs. The University projects typically only need the telemetry downlinks for a few months. The ideal situation would be if the university sats could then be switched over to two-way Amateur communications use preferably using a Linear Transponder.

73 Trevor M5AKA

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409. Re: Amateur Radio satellite Coordination pages IARU.... and a question for reade

Yahoo group: eu-amsat
Date: 2006-02-08 09:58:05 UTC
From: Allan Copland
Topic: 392 Message: 409

Hi Trevor and the group.

Trevor M4AKA wrote...
> Well the students on the Delfi-C3 project will show you how to do it - a
> satellite carrying a Mode B Linear transponder using three cubesats
frames.
> They've certainly been very innovative given the limited space
available.
>

(Allan Copland)
Agreed, they have been innovative, but the CUBSAT structure, even with
deployable panels is too small to support both decently rated arrays
or suitably rated batteries for anything other than low power operation.

I have made this point already.

So, no, I disagree. The students on the DELFI-C3 will not show any of
us how to do a linear ModeB LEO with a long service life and simple
structures and systems although they may be enthusiastic and have some
excellent ideas.
Chalk may look a bit like cheese... but!

> I am very glad to hear you're prepared to start up a LEO project. As
I said
> earlier I believe the problem is a shortage of volunteers willing do
do the
> work. I will be delighted if I am proved wrong.
>
> 73 Trevor M5AKA

Do the above comments from Trevor sound like support for a European
Satellite project? I leave it to you to decide.

Is this called enthusiasm and support?

Could I refer you all back to point 11 in my recent email.

11) Without the support of European radio amateurs, there is no hope
of ever finding such a manager, ergo the possible perceived lack of
enthusiasm. Chicken and egg.

I only have one more question.
****
Does such a project as I outlined have the support of UK amateurs?
****

It's a simple enough question.
Such a project would as you have rightly pointed out need considerable support and funding from European satellite enthusiasts.

Perhaps now is a time to find out.
Nobody yet, including M5AKA has replied with a positive reponse.

Just to reiterate, my suggestion is this.
****
A MODE B LINEAR LEO bird with the minimum of onboard systems optimised for reliability and long life.
****

Kind Regards,
Allan Copland

410. Re: [eu-amsat] University satellite experiments.

Yahoo group: eu-amsat
Date: 2006-02-08 11:08:38 UTC
From: john hackett
Topic: 397 Message: 410

Trevor,
I was asked for an opinion ... (of which, like you, I'm entitled)
... so I gave one.

To answer your questions,

>Can you tell me why you think the Amateur Satellite Service should be
>allocated many MHz of spectrum that they never use ?

I've never implied that I do think that.

>Come on John what has CB to do with this !!

Merely an illustration ... that not following the rules determined by the
IRAU could lead to misinterpretation ... which it obviously has.

As mentioned, I was asked for an opinion and gave it ... end of story.

73 John. <la2qaa@...>

411. Support.

Yahoo group: eu-amsat
Date: 2006-02-08 12:32:15 UTC
From: john hackett
Topic: 392 Message: 411

Hi Al,
After reading the entire thread regarding a phase 2 type satellite
I'd like to make the following comments.

I would support ... both financially and in any other way within my
capabilities ... a low tech: phase 2 type (mode-B) satellite carrying a
LINEAR transponder.

Let's face it, PSK at microwave frequencies on a LEO satellite... (AO-51)
... while theoretically possible was/is a complete fiasco ... even Peter
Martinez ... (the "father" of PSK) ... failed in his attempts to work the
satellite in this mode ... narrow bandwidth, microwave frequencies ... (U/S)
... with doppler like a bat out of hell ... who, apart from the elite few
could possibly afford the equipment needed to operate such a mode?.

My point? ... why finance satellites with modes that become redundant the
day they're launched.

I'd like to quote Commander John Brannegan (SK) ... a single RS- type
satellite provided more communications for more radio amateurs than all the
other later satellites combined!, built since.

That's still true today ... and we've had AO-40, VO-52 and AO-51 since John
wrote that.

Surely there's a lesson in there somewhere.

I've often been accused of addressing several unrelated subjects in the same
mail ... but I believe they are! relatated. It has been said that there is
no support for an "old" phase two type transponder.

I believe there is.

The smart ones in the group will realise that the thread mentioned earlier
was designed for the very purpose of guaging and collating that interest.

Most will remember Richard Limbear's "survey" many years ago. Despite the
overwhelming support for low tech: sats, Amsat-NA decided to go in the
opposite direction ... being privvy to the b.o.d. thinking at the time I was
told ... "but we have to keep the designers happy" ... but what use are the
designers without somebody to actually operate the satellites?.

Another piece of space junk?.

Incidentally, I believe the dissatisfaction of having their donations
finance something they didn't want was the cause of so many members of
Amsat-UK voteding with their feet ... (walking away).
At least that was the reason in my case.

73 John. <la2qaa@...>

.....
.....

From a GM1SXX posting.

>Nobody yet, including M5AKA has replied with a positive reponse.
>Just to reiterate, my suggestion is this.
>
>**********
>
>A MODE B LINEAR LEO bird with the minimum of onboard systems optimised
>
>for reliability and long life.
>
>**********

412. Re: [eu-amsat] Support.

Yahoo group: eu-amsat
Date: 2006-02-08 13:09:57 UTC
From: TERRY BROMLEY
Topic: 392 Message: 412

John a mode B HEO would be better.Mayby with a bit of luck satsuit will bump into AO10 and switch it back on again.We can only dream.
Terry G1WPR.
----- Original Message -----
From: john hackett
To: eu-amsat@yahoogroups.com
Sent: Wednesday, February 08, 2006 12:32 PM
Subject: [eu-amsat] Support.

Hi Al,
After reading the entire thread regarding a phase 2 type satellite
I'd like to make the following comments.

I would support ... both financially and in any other way within my
capabilities ... a low tech: phase 2 type (mode-B) satellite carrying a
LINEAR transponder.

Let's face it, PSK at microwave frequencies on a LEO satellite... (AO-51)
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day they're launched.

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opposite direction ... being privvy to the b.o.d. thinking at the time I was

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Incidentally, I believe the dissatisfaction of having their donations finance something they didn't want was the cause of so many members of Amsat-UK voteding with their feet ... (walking away).
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73 John. <la2qaa@...>

.....
.....

From a GM1SXX posting.

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>
>**********

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413. Support for a Phase 2 LEO

Yahoo group: eu-amsat
Date: 2006-02-08 13:16:14 UTC
From: Allan Copland
Topic: 413 Message: 413

Hi Folks,

I was being pragmatic in my suggestion for a MODE-B simple LEO.
My own personal wish would be for something even less exotic but I am
smart enough to realise that Mode-B would be more attractive to a
greater number of potential users.

There is also the question of radio amateurs in the developing world
whose needs are simply ignored by those in the affluent West.

I've had suggestions in the past, not on this BBS. from people who
should know better, that people in those countries should just run out
and buy an IC-910H or whatever to better cope with doppler or whatever.
These folks obviously dont watch much TV or realise how much poverty
there is on our planet. Only people in rich countries like ours can
afford such toys.

I believe that Mode B is the best possible compromise for everyone.
Its a bit 'cheap and nasty' for some people in the rich West but a bit
'exotic' for others in developing countries. This is why I suggested
it. It would not be my personal first choice.

Lest anyone here thinks I'm knocking University birds, I can tell you
that I was a keen fan of UoSAT2 for many years. I even wrote the
telemetry decode software that our local University used in
conjunction with their 'ASTRID' dedicated receiver to collect data
from UoSAT2. At the time, in 1984, I wondered why the IARU ever
approved this bird. I still wonder.

I don't consider it to be an amateur radio satellite... it's an
intruder on our bands, freeloading in space.

Decoding telemetry and other beeps and burps is fine and dandy and of
interest to some, but amateur radio in large part is about
communications. After all, that *is* the purpose of radio.

It should be remembered that two-way communications are usually a lot
more fun than one-way communications:-) The same is true in the real
world.

I still take the view that these birds University birds should be
using commercial frequencies and NOT the amateur radio bands. UoSAT2
flew nothing of any utility for communications in the amateur radio
satellite service.

Sure, the flying mailbox concept on UoSAT eventually was transferred
to other birds but it was never made available to Mr Joe Public for

communication. I'm sure it could have been evaluated on the ground rather than in space.

73 Al.
GM1SXX

414. Re: [eu-amsat] Support.

Yahoo group: eu-amsat
Date: 2006-02-08 13:25:03 UTC
From: Trevor AKA
Topic: 392 Message: 414

--- john hackett <la2qaa@...> wrote:
> Let's face it, PSK at microwave frequencies on a LEO satellite... (AO-51)
> ... while theoretically possible was/is a complete fiasco ... even Peter
> Martinez ... (the "father" of PSK) ... failed in his attempts to work the
> satellite in this mode

It was always going to be very difficult but I wouldn't criticise anyone for trying or call their efforts a fiasco. But hey the transponder isn't limited to PSK-31, any data mode can go through and I reckon that the use of DominoEX, which is very tolerant of mistuning, would be feasable.

> I'd like to quote Commander John Brannegan (SK) ... a single RS- type
> satellite provided more communications for more radio amateurs than all the
> other later satellites combined!, built since.

This of course opens up the discussion of do we want Mode A or Mode B? My preference is Mode A. Perhaps an even more important question is what orbit should it be in ?

I believe that LEO orbits between 600 and 1000 km are for practical purpose no good for two-way radio communication - the pass times and the range are too short. Orbits around 1400 km (as in Oscars 6/7) or higher (even MEO 4500 km ?) are what are needed. Clearly there are radiation issues about 1500 km but the use of very simple robust control mechanisms as used on Oscar 6 and 7 may be the answer here.

73 Trevor M5AKA

Win a BlackBerry device from O2 with Yahoo!. Enter now. http://www.yahoo.co.uk/blackberry

415. Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-08 13:27:24 UTC
From: Allan Copland
Topic: 392 Message: 415

Hi Terry.

--- In eu-amsat@yahoogroups.com, "TERRY BROMLEY" <terry.bromley@...>
wrote:
> John a mode B HEO would be better.Mayby with a bit of luck satsuit
will bump into AO10 and switch it back on again.We can only dream.
> Terry G1WPR.

It would be better how?

Had you any specific orbit type in mind for a HEO? Polar, equatorial,
what? That makes a BIG difference to the satellite's coverage.

There is already a ModeB (plus other modes) Molniya under
construction. Won't that serve your needs?

The downside of HEO's is power. They need to be large birds with
large batteries and arrays and high power PA's. This costs big bucks.
Where would the funding come from? Perhaps you have just won the
lottery and have money to burn :-)

My proposal is for a LEO ModeB polar bird. The reasoning is simple.
The entire world is covered several times a day giving *all* potential
users reasonable windows of opportunity.

Lastly, don't forget John. He's pretty far North and some birds are
out of his reach! At least a polar LEO would give him a fair crack of
the whip (along with ALL of the other people on planet Earth).

73 de Al.
GM1SXX

416. Re: [eu-amsat] Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-08 14:06:25 UTC
From: TERRY BROMLEY
Topic: 392 Message: 416

Hi Allen, tnx for your reply.If i was lucky enough to win the lottery i would gladly give a big contribution to a sat building fund wether a HEO or LEO. I do know that building a HEO would take a lot of money.I have been a short wave listener for most of my life (started at 7 years old) I'm now 60 years old and spend most of my hobby with my radio. Mostly on rx. I talk to John LA2QAA most day's on AO7.Longer if he would get the moutains moved hi.I would suport any sat the majority wanted leo-heo. I and every body i talk to enjoy the sats, we meet and make friends all around the world.It is a great hobby , we all can give our thoughts in what we would like, but we must all stick together in our great hobby.
I don't often post messages on any web site
but i'm sure you will agree we must all pull together.
tnx for rx my 2 penny worth Terry G1WPR.

----- Original Message -----
From: Allan Copland
To: eu-amsat@yahoogroups.com
Sent: Wednesday, February 08, 2006 1:27 PM
Subject: [eu-amsat] Re: Support.

Hi Terry.

--- In eu-amsat@yahoogroups.com, "TERRY BROMLEY" <terry.bromley@...>
wrote:
> John a mode B HEO would be better.Mayby with a bit of luck satsuit
will bump into AO10 and switch it back on again.We can only dream.
> Terry G1WPR.

It would be better how?

Had you any specific orbit type in mind for a HEO? Polar, equatorial, what? That makes a BIG difference to the satellite's coverage.

There is already a ModeB (plus other modes) Molniya under construction. Won't that serve your needs?

The downside of HEO's is power. They need to be large birds with large batteries and arrays and high power PA's. This costs big bucks. Where would the funding come from? Perhaps you have just won the lottery and have money to burn :-)

My proposal is for a LEO ModeB polar bird. The reasoning is simple. The entire world is covered several times a day giving *all* potential users reasonable windows of opportunity.

Lastly, don't forget John. He's pretty far North and some birds are out of his reach! At least a polar LEO would give him a fair crack of the whip (along with ALL of the other people on planet Earth).

73 de Al.
GM1SXX

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417. FLASH! FLASH! FLASH! Al and Trevor agree for once.

Yahoo group: eu-amsat
Date: 2006-02-08 14:06:03 UTC
From: Allan Copland
Topic: 392 Message: 417

Hi,

Trevor said...

> This of course opens up the discussion of do we want Mode A or Mode B? My
> preference is Mode A. Perhaps an even more important question is what orbit
> should it be in ?
>
> I believe that LEO orbits between 600 and 1000 km are for practical purpose no
> good for two-way radio communication - the pass times and the range are too
> short. Orbits around 1400 km (as in Oscars 6/7) or higher (even MEO 4500 km ?)
> are what are needed. Clearly there are radiation issues about 1500 km but the
> use of very simple robust control mechanisms as used on Oscar 6 and 7 may be
> the answer here.
>
> 73 Trevor M5AKA

For once I agree with Trevor 100%

My preference would also be Mode A but I believe it would be less popular than Mode B so support would be an issue. This is why I suggested MODE B.

Remember though that Mode A space communications with a 1600Kms Polar LEO would be much affected by solar activity.
In my book that only adds to the fun:-)

It also would make such a bird accessible to a very wide user base, and especially in less affluent countries.

Oscar7 has demonstrated that batteries aside, satellites CAN survive for long periods at 1600Kms or thereabouts.
I talked with Jan Jing and he reckoned that AO7 has had a lifetime radiation dose of around 200,000RADS. Thats an unimaginably ferocious radiation dose over the 31 years its spend in space.

Its simple CMOS circuitry in large part is still working OK. The telemetry system works as does the mode switching timer.
When LA2QAA and myself copied good data from AO7 in Dec 1993, the telemetry was fairly nomonal, something that greatly surprised us.

More recently LA2QAA's detective skills led to an 'admission' by Jan that he and Karl used a cheap R/C CMOS oscillator circuit instead of a crystal as the timing element in the mode switching circuitry!

I also completely agree that simple robust control systems are highly desirable.

A 1600Kms orbit would be desirable from the point of view of footprint despite the radiation issue.

AO7 is far more complex than would be required for a single transponder bird. Much of the CMOS control circuitry used on AO7 could be replaced by more complex CMOS chips.

AO7 was built entirely out of early unbuffered CMOS chips and discrete analogue components. Any interested parties should check out the excellent photo archive listed on the links pages. The transponders were in large part built 'dead bug/turret tag' style. You can see this in the images.

73 de Al.
GM1SXX

418. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-02-08 14:10:36 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 418

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Thread.txt
Uploaded by : allan_gm1sxx <acopland@...>
Description : Polar LEO Thread (ongoing)

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Thread.txt

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

allan_gm1sxx <acopland@...>
```

419. Re: [eu-amsat] Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-08 14:59:10 UTC
From: Emily Clarke
Topic: 392 Message: 419

[Not an Official AMSAT statement]

There is no "real" reason for building a satellite that is HEO/LEO - one can still put a satellite into an orbit between the inner and outer Van Allen belts providing that you are willing to deal with a low inclination (60 degrees or less) and occasional periods of higher radiation. Personally I think it is a better challenge offering many benefits - it would have long (~90 minute) footprints and would not have the power requirements that a HEO satellite would require. It wouldn't have to de-orbit since it would be in an orbit that no one wants.

One problem I feel is plaguing the amateur satellite movement is that the shift is from making scientific contributions towards simple "through it out the hatch" milestones. I think this is a really bad direction to go. Collection of scientific data in this higher would be beneficial.

As for Mode A, B or ?? I would still recommend ??. QRM is so bad in the 2M band that it is impossible (IMHO) to use this band for either an uplink or downlink. 70cm is also becoming an uplink problem. I would hold out for a 23cm uplink with simultaneous and 70cm and 13cm downlinks. It makes more sense (IMHO) however if size/power were an issue I would probably go with a 23cm downlink since there are groundstation advantages to use 23cm over 70cm (mainly antenna size).

Just my opinion - other's may vary.

Emily

>
> It would be better how?
>
> Had you any specific orbit type in mind for a HEO? Polar, equatorial,
> what? That makes a BIG difference to the satellite's coverage.
>
> There is already a ModeB (plus other modes) Molniya under
> construction. Won't that serve your needs?
>
> The downside of HEO's is power. They need to be large birds with
> large batteries and arrays and high power PA's. This costs big bucks.
> Where would the funding come from? Perhaps you have just won the
> lottery and have money to burn :-)
>
> My proposal is for a LEO ModeB polar bird. The reasoning is simple.
> The entire world is covered several times a day giving *all* potential
> users reasonable windows of opportunity.

>
> Lastly, don't forget John. He's pretty far North and some birds are
> out of his reach! At least a polar LEO would give him a fair crack of
> the whip (along with ALL of the other people on planet Earth).
>
> 73 de Al.
> GM1SXX
>
>
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420. RE: [eu-amsat] Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-08 15:46:08 UTC
From: Allan Copland
Topic: 392 Message: 420

Hi Emily.

You said.

>There is no "real" reason for building a satellite that is HEO/LEO - one can still put a satellite into an orbit between the inner and outer Van Allen belts providing that you are willing to deal with a low inclination (60 degrees or less) and occasional periods of higher radiation. Personally I think it is a better challenge offering many benefits - it would have long (~90 minute) footprints and would not have the power requirements that a HEO satellite would require. It wouldn't have to de-orbit since it would be in an orbit that no one wants.

To answer a few of your points.

There is a compelling reason for going to HEO or LEO. Rockets go there.

Unless you want the added complexity of providing a propulsion system with its attendant cost, scope
to go wrong or be compromised by bad planning or judgements, you are stuck with what you can get.

Simple missions are stuck with what they can get... no bad thing in some cases.

Re challenges. Which is more challenging... a ten minute window or a longer one.
A HEO has challenges, but not really with regard to operating....many of the challenges are down to power
and real-estate. A LEO offers a large 'fun' element while providing a challenge. It is also truly Global.

With HEO's you need gain, or power, or a bit of both. 'Aluminium is cheap'... but bulky.

With a LEO, you don't need a lot of either.

Re deorbiting. I know that major space agencies like to have eco-friendly rockets but no amateur satellite to date has incorporated an de-orbit facility. All amateur satellite deorbits to date have been driven by orbital altitude and solar activity. I do accept that certain orbit slots are becoming somewhat 'cluttered' notably LEO and Geostationary to a lesser degree.

How many misssions go to a 60 degree orbit? I don't know of any.

>One problem I feel is plaguing the amateur satellite movement is that the shift is from making scientific contributions towards simple "through it out the hatch" milestones. I think this is a really bad direction to go. Collection of scientific data in this higher would be beneficial.

Well, I've never been a fan of 'Milestones'. Communications is what floats my boat. Perhaps I should qualify that by saying two-way communications. One way comms are pretty naff!

>As for Mode A, B or ?? I would still recommend ??. QRM is so bad in the 2M band that it is impossible (IMHO) to use this band for either an uplink or downlink. 70cm is also becoming an uplink problem. I would hold out for a 23cm uplink with simultaneous and 70cm and 13cm downlinks. It makes more sense (IMHO) however if size/power were an issue I would probably go with a 23cm downlink since there are groundstation advantages to use 23cm over 70cm (mainly antenna size).

I too used to believe that QRM on 2M was really bad. I tolerated lots of QRM for years. Quite recently, I invested in a three chamber helical filter from DCI.
NO QRM!
Most amateur radio gear is poorly/cheaply designed and intermod is a perennial problem. With my DCI filter in place there is no QRM on 2M across the whole band in CW/SSB in the centre of a large town with 80K inhabitants next door to a city of 250K people I'm not convinced by that argument.

Note also that there are quite a number of multi-megawatt RADARS oprating in the Northern hemisphere in the 70Cms band. These Military RADARS are the primary users in the band. The RADARS caused serious command problems for AMSAT satellite controllers in the past and there are even more and more owerful RADARS operating now on 70Cms.

Example
Fylingdales (Yorkshire UK) BMEWS RADAR scans 360 degrees in azimuth and 3-87degrees in elevation using a drive power of 2,500,000 watts into gain antennae. This is only one of many 70Cms BMEWS RADARS in the Northern Hemisphere.

Can you convince me that 2M is worse and what is your data source please.

73 de Al.
GM1SXX

421. LEO Orbits/ Orbital height

Yahoo group: eu-amsat
Date: 2006-02-08 16:25:12 UTC
From: Allan Copland
Topic: 421 Message: 421

Hi folks.

Orbital height is a major factor in many LEO missions.

In a previous posting Trevor said...
> I believe that LEO orbits between 600 and 1000 km are for practical
>purpose no good for two-way radio communication - the pass times and
>the range are too short.

So I guess that rules out the ISS and suitsat as pretty useless right away. They are in a considerably lower orbit!

UoSAT2 is/was near 600Kms. I'm sure it will have decayed a bit through solar activity but its still in the ball park.
On 2M the 400mw fm downlink beacon was 'rock crushing'.

With a LEO bird at 600Kms a horizon to horizon pass were it a linear comsat would give enough time for a proper QSO.
Not ideal ,because it's not a long time, but how long would you want to gab for? If 5 minutes were enough, then 600Kms should do fine.

My understanding is that the majority of CUBESATs also go into low orbits. Are they no good either?

>Orbits around 1400 km (as in Oscars 6/7) or higher (even MEO
4500 km ?)
> are what are needed. Clearly there are radiation issues about 1500
km but the
> use of very simple robust control mechanisms as used on Oscar 6 and
7 may be
> the answer here.

Agreed a 1400-1600Kms orbit would be better and a polar orbit would favour no particular geographical location, covering the whole planet with several windows per day no matter where your location.

A 'FAIRSAT' if you will.

73 Al.
GM1SXX

422. Re: [eu-amsat] Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-08 23:33:24 UTC
From: Emily Clarke
Topic: 392 Message: 422

Allan Copland wrote:
>
> To answer a few of your points.
>
> There is a compelling reason for going to HEO or LEO. Rockets go there.
>
Well, you are partially right - they go LEO, they don't go HEO. They go
GTO, and you have to get out of the way. Small but important point.

> Unless you want the added complexity of providing a propulsion system
> with its attendant cost, scope
> to go wrong or be compromised by bad planning or judgements, you are
> stuck with what you can get.

You are again correct - but there are exceptions. You can get on a
non-commercial (research) launch that may put you where you want to go.

> Re challenges. Which is more challenging... a ten minute window or a
> longer one.

I think you misunderstood my meaning of a challenge. If all you want to
do is work a 10 minute window then a double/triple cubesat will do the
job. I was thinking more about the overall mission - not just a single
transponder.

> A HEO has challenges, but not really with regard to operating....many of
> the challenges are down to power
> and real-estate. A LEO offers a large 'fun' element while providing a
> challenge. It is also truly Global.

> With HEO's you need gain, or power, or a bit of both. 'Aluminium is
> cheap'... but bulky.
>
> With a LEO, you don't need a lot of either.

>
> Re deorbiting. I know that major space agencies like to have
> eco-friendly rockets but no amateur satellite to date has incorporated
> an de-orbit facility.

This is true, and we are on notice to change this. It is doubtful we
will be able to orbit LEOs without this facility in the future.

All amateur satellite deorbits to date have been
> driven by orbital altitude and solar activity. I do accept that certain
> orbit slots are becoming somewhat 'cluttered' notably LEO and
> Geostationary to a lesser degree.

>
> How many misssions go to a 60 degree orbit? I don't know of any.

Give or take a few degrees SO-41, SO-42, NO-44, NO-45 and SO-50. I
think RS-15 is also in a 64 degree orbit.

> Well, I've never been a fan of 'Milestones'. Communications is what
> floats my boat.
> Perhaps I should qualify that by saying two-way communications. One way
> comms are pretty naff!

Two-way floats my boat too, but I'm probably equally impressed with data
collection for scientific research. I wouldn't want to launch another
Am-Sat without some experiments, though I would consider that
experimental transponders are still experiments.

> I too used to believe that QRM on 2M was really bad. I tolerated lots
> of QRM
> for years. Quite recently, I invested in a three chamber helical filter
> from DCI.
> NO QRM!
> Most amateur radio gear is poorly/cheaply designed and intermod is a
> perennial problem.
> With my DCI filter in place there is no QRM on 2M across the whole band
> in CW/SSB in
> the centre of a large town with 80K inhabitants next door to a city of
> 250K people
> I'm not convinced by that argument.

Unfortunately I live in a place where Mexican taxi-drivers and mountain
residents think nothing of using 100W 2M phones made in China, and
Alaskan (and even local) fishermen think nothing of using 2M rigs they
bought on EBay or at Radio Shack. Perhaps you don't get 2M FM QRM on
FO-29's uplink in Europe, but it's a fact of life here. Conversely we
are constantly fighting other out of band problems in 70cm including FM
starting to appear on VO-52's uplink.

> Can you convince me that 2M is worse and what is your data source please.

I'm on the road at the moment but if you really think it necessary I'll
be happy to forward you all the reports I've filed that have gone into
the OOC's and FCC. It is a real problem regardless of what you might think.

73,

Emily (N1DID)

(Not official AMSAT response)

423. TossSat? ... excellent! description.

Yahoo group: eu-amsat
Date: 2006-02-09 16:27:28 UTC
From: john hackett
Topic: 423 Message: 423

Hello Al,
From the Amsat-bb.

>to build disposable satellites (TossSats) is a very interesting idea. (in
>reference to the ISS).

If this is the direction Amsat choose, I for one will drop satellite operating from the "itinery" and rejoin the bedlam on HF. I seriously doubt anyone would miss hearing La2qaa anyway.

The QTH is not the only reason, I'd still do it even if I lived somewhere where I actually had reception of the ISS. Personally, I see very little difference in waffling to an ISS astronaught on 2m and waffling to LA9VBA (on the other side of the Island) on 2m.

You'll recall the "Why arn't you on the ISS net" mail from the supposed "ISS team" (I deleted it so I can't recall who the sender was) well, I've spoken to the United Nations and the IRAU but they positively refuse! to move Norway 20 degrees further south so that those ISS chappies can work the Island. (You would think these people would have a slight knowledge of orbital mechanics).

While as an amateur I can appreciate the significance of Suitsat and "experiments from space" it does rather remind me of a Norwegian Tony Handcock parody, particularly the dirty laundry tossed out of the ISS bit (though I assume this was probably part of the "thermal" experiment?).

I'm sorry, I just can't take it seriously and the people I've explained it to give me some very strange looks indeed.

From all the "telemetry" suggestions being bandied about I can't help wondering why Amsat don't seem to be interested in another traditional phase two amateur satellite, with a transponder and a fully operative telemetry system. It does seem like the left hand doesn't know what the right hand is doing in the b.o.d. The current Oscar number designation debate being a case in point.

As I mentioned previously, had Amsat obtained the same PR for a reasurrected satellite (AO-7) that they have for Suitsat I believe it would have fired the imagination of more young minds than a grotty old spacesuit full of dirty laundry.

I think it was Luc who asked if the aerial was connected, naturally, 70% of those that replied didn't even realise he was pulling their collective plonkers in his typical Froglish way.

It's a good job there are still people like Luc who attempt to combat the pomposity shown by certain of the self proclaimed "experts".

73 John. <la2qaa@...>

424. Re: Support.

Yahoo group: eu-amsat
Date: 2006-02-10 11:55:13 UTC
From: Allan Copland
Topic: 392 Message: 424

Hi Folks.

My apologies for being AWOL for yesterday.
I had to attend a funeral.

Emily said
> Well, you are partially right - they go LEO, they don't go HEO.
They go GTO, and you have to get out of the way. Small but
important point.

OK, I concede defeat! Only the rocket upper stage plus its attendant
debris cluster goes to HEO in many cases.
I consider upper stages to be rocket parts and they are usually
listed as such by NORAD. Rocket bodies usually (but not always) end
up in low orbits from which they decay relatively quickly.
Does any of this have anything much to do with my proposal? Its
pretty irrelevant stuff.

> > Unless you want the added complexity of providing a propulsion
system with its attendant cost, scope to go wrong or be compromised
by bad planning or judgements, you are stuck with what you can get.
>
> You are again correct - but there are exceptions. You can get on a
> non-commercial (research) launch that may put you where you want to
go.
>
Agreed, there *are* exceptions.

> I think you misunderstood my meaning of a challenge. If all you
want to do is work a 10 minute window then a double/triple cubesat
will do the job. I was thinking more about the overall mission -
not just a single transponder.

Perhaps you never read my original proposal... for 'a single MODE B
transponder low-technology LEO' I also qualified my reasons against
CUBESATS.

I also specifically asked from input from European readers.
The US is out of the linear LEO Phase 2 game. I have been told this
by more than one US AMSAT person.

Your suggestions re CUBESATS are off topic.

>Re deorbiting. I know that major space agencies like to have
eco-friendly rockets but no amateur satellite to date has
incorporated an de-orbit facility.

> This is true, and we are on notice to change this. It is doubtful we will be able to orbit LEOs without this facility in the future.

I'm sure 'we' are. I read some of the articles also.

Re 2M vs 70Cms interference.
Local 100W transmitters on 2M or multiple multimegawatt RADARS on 70Cms.
2M is quiet here.. 70Cms is noisier. From LEO, which would have the greater impact? 100W tcvrs or multimegawatt RADARS?
Both bands have their disadvantages.

Regards.

Al.
GM1SXX

425. Flash! New spacecraft announced.

Yahoo group: eu-amsat
Date: 2006-02-10 12:11:11 UTC
From: Allan Copland
Topic: 425 Message: 425

Hi Folks.

I'm happy to report that the AMSAT-UK team who worked on the SSETI mission have a new one...The European Space Agency's ESEO satellite.

This will be a new ESA mission carrying a U band uplink and S band downlink.
When the primary mission ends, the mode U/S system should be made available to radio amateurs as a mode U/S Linear Transponder.

The AMSAT-UK team includes G4DDK, G7OCD, G6LVB, G0MRF, & G3VZV who were responsible for the S-Band transmitter on SSETI Express. I'm absolutely delighted at this piece of excellent news.

I'm somewhat disappointed that it will not be of much use to people in developing countries but it will provide a new satellite and provide further valuable flight hardware experience for UK constructors.

73 Al.
GM1SXX

You can read more on the AMSAT-UK pages at http://www.uk.amsat.org/

426. 5B4 on FO-29 !

Yahoo group: eu-amsat
Date: 2006-02-10 15:48:14 UTC
From: SV1BSX
Topic: 426 Message: 426

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello,

last days heard 5B5AGY on FO-29 (SSB) with strong signals!
Iain (operator) is usually active the afternoon pass of SAT from
Paphos, KM64EV.

Looking

427. Re: [eu-amsat] Flash! New spacecraft announced.

Yahoo group: eu-amsat
Date: 2006-02-10 16:27:08 UTC
From: Trevor AKA
Topic: 425 Message: 427

There will be a presentation on the satellite and transponder at the AMSAT-UK International Space Colloquium which will be held from Friday 28th until Sunday 30th July inclusive at the University of Surrey, Guildford, England.

AMSAT-UK produce a quarterly newsletter "Oscar News" which is full of Amateur Satellite information. For membership details contact the secretary Jim Heck G3WGM
Tel: +44 (0)1258 453959
E-mail: g3wgm@...
Website: http://www.uk.amsat.org/

73 Trevor M5AKA

> --- Allan Copland <acopland@...> wrote:
> Hi Folks.
>
> I'm happy to report that the AMSAT-UK team who worked on the SSETI
> mission have a new one...The European Space Agency's ESEO satellite.
>
> This will be a new ESA mission carrying a U band uplink and S band
> downlink.
> When the primary mission ends, the mode U/S system should be made
> available to radio amateurs as a mode U/S Linear Transponder.
>
> The AMSAT-UK team includes G4DDK, G7OCD, G6LVB, G0MRF, & G3VZV who
> were responsible for the S-Band transmitter on SSETI Express. I'm
> absolutely delighted at this piece of excellent news.
>
> I'm somewhat disappointed that it will not be of much use to people
> in developing countries but it will provide a new satellite and
> provide further valuable flight hardware experience for UK
> constructors.
>
> 73 Al.
> GM1SXX
>
> You can read more on the AMSAT-UK pages at http://www.uk.amsat.org/

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
---

To help you stay safe and secure online, we've developed the all new Yahoo! Security Centre. http://uk.security.yahoo.com

428. Linear birds and taxation.

Yahoo group: eu-amsat
Date: 2006-02-10 18:05:06 UTC
From: Allan Copland
Topic: 425 Message: 428

Hi folks.

In his last posting Trevor M5AKA said...

> AMSAT-UK produce a quarterly newsletter "Oscar News" which is full of Amateur Satellite information. For membership details contact the secretary Jim Heck

I think its spretty safe to say that all of us on the reflector already have heard of Oscar news. I have a large pile of them here in the shack. I've even contributed to them.

For anyone who doesn't know, Trevor is in charge of publicity at AMSAT-UK. At least he was listed as such in 2005*. Who knows, maybe he still heads the publicity department.

Its a great pity he has such a negative attitude towards other people's suggestions. For anyone who is half asleep (and I can't blame them!) I suggest a perusal of the postings on this BBS and the responses to my LEO proposal in particular.

I'd very much like to attend the presentation he mentioned but I'd rather spend the money it would cost to attend on other things such as linear satellites, hopefully including ESEO and paying my council tax. Scotland is a bit a way from the venue.

Comments welcomed (on reflector only).

73 de Al.
GM1SXX
*--- http://www.qsl.net/ssrc/news/oracle/05_oracle/Oct2005.html

429. correction!

Yahoo group: eu-amsat
Date: 2006-02-10 16:04:25 UTC
From: SV1BSX
Topic: 429 Message: 429

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

...the correct callsign is 5B4AGY and not 5B5AGY...
(sorry ! keyboard s devil again)

73, Mak SV1BSX

sv1bsx@yahoo.gr
http://www.qsl.net/sv1bsx

LAN

430. New member

Yahoo group: eu-amsat
Date: 2006-02-10 23:23:13 UTC
From: SV1BSX
Topic: 430 Message: 430

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Ladies & Gentlemans,

we have a new member in Group, Iain 5B4AGY from Cyprus !

Welcome to Group Iain.

73, Mak SV1BSX

sv1bsx@yahoo.gr

431. Iain 5B4AGY

Yahoo group: eu-amsat
Date: 2006-02-11 08:54:39 UTC
From: Allan Copland
Topic: 431 Message: 431

Hi Folks.

Wecome to Iain 5B4AGY from cyprus who has just joined the group.

I hope he finds some things of interest to him on our small reflector.

73 de Al.
GM1SXX

432. ESEO spacecraft

Yahoo group: eu-amsat
Date: 2006-02-11 09:14:28 UTC
From: Allan Copland
Topic: 432 Message: 432

Hi folks.

You can read a little more re ESEO at

http://sseti.gte.tuwien.ac.at/WSW4/eseo3.htm

This ESA project will carry a redundant(backup) transponder to be built
by the same UK team who built radio hardware for SSETI.

The backup transponder will be activated for use by radio amateurs at
the end of the primary (ESA) mission.

One piece of good news is that this will be a linear transponder and
not an FM Parrot or squawk box.

There is also some data on ESEO at the AMSAT-UK website.

73 Al.
GM1SXX

433. Re: [eu-amsat] Linear birds and taxation.

Yahoo group: eu-amsat
Date: 2006-02-11 10:34:18 UTC
From: Trevor AKA
Topic: 425 Message: 433

--- Allan Copland <acopland@...> wrote:
> Its a great pity he has such a negative attitude towards other
> people's suggestions. For anyone who is half asleep (and I can't
> blame them!) I suggest a perusal of the postings on this BBS and the
> responses to my LEO proposal in particular.

Allan what you clearly haven't realised is that I am a keen supporter of more simple Mode A Linear transponder satellites. What I do object to on the list is the rubbishing of educational projects, linking them with CB and the description of data experimention (PSK-31) as a fiasco.

I wish you well with your satellite project. The Amateur Satellite Community is in need of more Mode A birds but I think we are both agreed the orbit is a critical factor. Oscar 8 carried a Mode A transponder but it's orbit was about 900 km instead of the 1450 km or the earlier Oscars 6/7. As a result it proved less popular due to shorter range/pass time.

Launches to higher orbits tend to be in shorter supply but I'm sure there will be opportunities. One solution may be to use a launch to 600-1000km orbit and then raise the apogee from there, the big drawback is the massive increase in complexity caused by the need for a propulsion mechanism but if we eventually move to an era were there is a requirement to de-orbit then the issue of propulsion will have to be addressed anyway.

73 Trevor M5AKA

_____
Win a BlackBerry device from O2 with Yahoo!. Enter now. http://www.yahoo.co.uk/blackberry

434. For Allan

Yahoo group: eu-amsat
Date: 2006-02-11 11:13:51 UTC
From: Piero Calvi-Parisetti
Topic: 432 Message: 434

Hello Allan,

didn't realise you live in Paisley. I am an "aquired half-Weegie" myself and was up there last week. Had diner with Ray GM4CXM and went over to the Friday meeting of the WSHRS. Next time I'll get in touch and - if you're not in Norway - I'll love to get to meet you.

Upon reflection, one may wonder - why Norway? Is the wheather in the West of Scotland not bad enough? ;o)

Cheers.

Piero

*** Music, ham radio and more - http://www.qsl.net/hb9dsu ***

435. Re: Linear birds and taxation.

Yahoo group: eu-amsat
Date: 2006-02-11 13:25:56 UTC
From: Allan Copland
Topic: 425 Message: 435

Re Trevor's recent posting,

He said..
> Allan what you clearly haven't realised is that I am a keen supporter of more simple Mode A Linear transponder satellites.

Actually I *did* know that. I do pay some attention to what people write.

>What I do object to on the list is the rubbishing of educational projects, linking them with CB and the description of data experimention (PSK-31) as a fiasco.

We set up this list in order to promote a European perspective on Amateur Radio satellites free of political intervention.

If any of the subscribers don't like something , as obviously you don't, then they are free to say so, as you are doing.

>I wish you well with your satellite project. The Amateur Satellite Community is in need of more Mode A birds but I think we are both agreed the orbit is a critical factor. Oscar 8 carried a Mode A transponder but it's orbit was about 900 km instead of the 1450 km or the earlier Oscars 6/7. As a result it proved less popular due to shorter range/pass time.

You are entitled to your opinions. Firstly, I personally did not rubbish PSK31 or compare it in any way to CB although I do wholeheartedly agree with the point that was made re PSK31.

IMHO PSK31 is a completely unsuitable mode for LEO birds although it probably would be suited to Molniyas at or near apogee or HEO birds where the narrow bandwidth and low doppler would be of benefit to the mode. G3PLX also seems to think it unsuitable for LEO's so I count myself in good company.

I do agree that putting a PSK31 facility on a LEO is pointless. Very few people I've talked with before the bird was launched believed it was workable. Why would anyone wish to fly an experiment that was likely to fail? The time, money and resources involved would surely have been better spent in other ways.

Failure or fiasco? I'm happy with either description. If it doesn't work...it doesn't work!

I'm sure if you have read my previous postings you will realise why I am against University 'me too' birds or downlink only birds transmitting telemetry in the amateur satellite segments and

especially on 435Mhz and below..

If they must 'freeload' in the amateur satellite segments, I'd far rather it was on the higher frequencies where bandwidth is abundant and which you are so keen to see utilised. I'd be a LOT happier with that.

Think of the 'educational aspect'. The designers could fly all the high-tech high-risk stuff they liked and nobody else would care.

In short, I say we should keep the valuable and limited lower frequencies for communications... the two way sort.

> Launches to higher orbits tend to be in shorter supply but I'm sure there will be opportunities. One solution may be to use a launch to 600-1000km orbit and then raise the apogee from there, the big drawback is the massive increase in complexity caused by the need for a propulsion mechanism but if we eventually move to an era were there is a requirement to de-orbit then the issue of propulsion will have to be addressed anyway.

I don't consider carrying a propulsion system, especially a dual use one, to be an option and the higher (LEO) orbits are *relatively* uncluttered anyway.

Did you mean a storable propellant system that would raise the orbit at the beginning of life and de-orbit it at the end?
I dread to consider what the reliability of such a system might be. Such systems have been used by the 'big boys' on many occasions and even then, their reliability is very questionable, especially on longer missions. Fuming Red Nitric Acid and Hydrazine have a habit of doing their worst.

I'm *not* putting obstacles in the way of progress. The practical problems in producing a reliable storable propellant system that would work after a long time in orbit (a few years?) are enormous. If we are eventually forced by the authorities to deorbit out dead space junk, how would you propose to do it after a battery or OBC failure... an all too common scenario with AMSAT satellites?
I fail to see how AMSAT could comply with such a directive.

My understanding is that AMSAT currently have a duty to provide a means to disable satellite downlinks at the end of their useful lives. This is a lot less demanding than deorbiting a bird yet even that has been a problem on a few occasions. Thank goodness, or we'd have lost one of our most interesting birds (AO7)! To that you can add some of the RS birds.

Sorry Trevor but I think when something fails, we should call it a failure and try not to repeat the experience. PSK31 on a LEO was a failure and I'm not about to talk it up as anything else.

73 Al.
GM1SXX

436. Re: For Allan

Yahoo group: eu-amsat
Date: 2006-02-11 13:31:51 UTC
From: Allan Copland
Topic: 432 Message: 436

Hi Piero.

For my sins I've been banished to that place called Paisley.

No, actually thats not true. I've always lived here. You can contact me at allan_gm1sxx@....

73 Al.
GM1SXX

437. RE: [eu-amsat] New member

Yahoo group: eu-amsat
Date: 2006-02-11 14:31:10 UTC
From: Iain McKeracher - BT Internet
Topic: 430 Message: 437

Dear Mak and Group,

Thanks for the welcome!!

I have been also trying to work through AO-51 (up on 2M and down on 13CMS - 2,401.2MHz) without success! Has anyone managed a contact with this combination?

73

Iain - 5B4AGY

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
Sent: 11 February 2006 01:23
To: EU-Amsat
Subject: [eu-amsat] New member

Ladies & Gentlemans,

we have a new member in Group, Iain 5B4AGY from Cyprus !

Welcome to Group Iain.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

Χρησιμοποιείτε Yahoo!;
Βαρεθήκατε τα ενοχλητικά μηνύματα (spam); Το Yahoo! Mail διαθέτει την καλύτερη δυνατή προστασία κατά των ενοχλητικών μηνυμάτων
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438. Software Defined Transponder to Fly on Phase 3-E

Yahoo group: eu-amsat
Date: 2006-02-11 15:06:26 UTC
From: Allan Copland
Topic: 438 Message: 438

Software Defined Transponder to Fly on Phase 3-Express Satellite:

The Board of Directors of AMSAT-DL (Germany) plans to fly a Software Defined Transponder (SDX) on its Phase 3-Express (P3E) spacecraft . "This is outstanding news," said AMSAT-NA President Rick Hambly, W2GPS. "The opportunity to fly SDX on P3-Express will provide an early opportunity to demonstrate the potential of SDX in orbit and gives AMSAT-NA the benefit of in-orbit testing before placement on the Eagle-class satellites." Putting the SDX on P3E also will provide a test platform to evaluate its weak-signal processing capabilities that could prove valuable for the Phase 5-A deep space mission that AMSAT-DL is evaluating. Along with improved receiver performance, SDX offers the ability to program configuration changes while in orbit and the integration of uplink and downlink bands via digital connections. AMSAT-UK's Howard Long, G6LVB, will head development of SDX software for P3E and Eagle. AMSAT-NA's Lyle Johnson, KK7P, and Chuck Green, N0ADI, will build the flight hardware, while Bob McGwier, N4HY, and Frank Brickle, AB2KT, will handle integration with the transmitter hardware. "This announcement and the follow on work reinforce the close cooperation between AMSAT-NA, AMSAT-DL and AMSAT-UK as we develop the next generation of high earth orbit amateur radio satellites," Hambly commented. P3E will be placed into a highly elliptical Earth orbit and may launch as early as this year.--AMSAT-NA/AMSAT-DL

Source:

The ARRL Letter Vol. 25, No. 03 January 20, 2006

439. A different Project Echo

Yahoo group: eu-amsat
Date: 2006-02-11 19:15:26 UTC
From: Allan Copland
Topic: 439 Message: 439

Hi,

Thinking some more about PSK31, Its obvious that tracking the doppler shift is the main issue.

Incidentally I'm *not* serious about this suggestion, but for anyone wanting to use narrowband modes on a LEO, you want to use the lowest frequncies you can. Mode A or K anyone? Since PSK31 can copy signals buried in the noise, maybe an 'Echo' type balloon (passive reflector) could do the job instead of an active transponder. It could certainly be very educational and attention grabbing should that be your thing.

Some of our older readers may remember Echo 1 & 2, silvered mylar balloons (NASA) placed in orbit as passive relays/geodesy satellites. Unfortunately we didn't have PSK31 way back then but if there had been, amateur comms via passive reflector might have been possible. You can see/read more at-

http://www.astronautix.com/craft/echo.htm

Echo1 was a nice easy visual target as it crossed the night sky and probably the most viewed satellite ever. I watched it often. Echo 1 satellite was an 100 foot diameter aluminised mylar spherical balloon carrying a solar powered telemetry TX. Who knows, there may be a place for such ancient technology after all.

73 Al.
GM1SXX

440. AO-51 - Working V Up and S down

Yahoo group: eu-amsat
Date: 2006-02-11 20:00:08 UTC
From: IAIN MCKERACHER
Topic: 440 Message: 440

I wonder if anyone else in this group was on AO-51 this evening? I had a guy in Lebanon transmitting continuously on 2M and obviously unable to hear himself on 2401.2MHz. He was 5/9 on 2GHz. Does anyone have contact info for OD5RR?

With many people transmitting simultaneously on the uplink on FM it is nearly impossible to have a successful contact using this mode!

73

Iain - 5B4AGY

441. Re: AO-51 - Working V Up and S down

Yahoo group: eu-amsat
Date: 2006-02-12 09:26:39 UTC
From: Allan Copland
Topic: 440 Message: 441

Hi Iain.

You said..
>
> With many people transmitting simultaneously on the uplink on FM
it is nearly impossible to have a successful contact using this mode!
>

What you are describing is typical of FM satellites. I don't think
this sort of problem is about to go away.

On one hand we have the FM birds where uplink power/ antenna gain and
bad operating practice reigns supreme, teaching users (via capture
effect) that more power and worse manners are OK while on the other
hand, with linear birds, *less* power makes things work better.

It must be very difficult (counter-intuitive) for an FM user to
migrate to the linear birds while leaving behind all those bad habits
acquired through operating FM birds.

Then there are the ones who cant hear themselves but keep plugging
away anyway. You'll find these people on both AM and FM birds!

Best of luck with the FM birds. You will need it.

73 de Al.
GM1SXX

442. Welcome. VE2DWE

Yahoo group: eu-amsat
Date: 2006-02-12 09:29:54 UTC
From: Allan Copland
Topic: 442 Message: 442

Hi Luc

Welcome to our small but expanding group. We hope you find something of interest here.

Kind Regards,

Al.
GM1SXX

444. 4 Chamber Helical Bandpass filter

Yahoo group: eu-amsat
Date: 2006-02-12 15:43:51 UTC
From: Allan Copland
Topic: 444 Message: 444

Hi Folks.

For anyone bothered with 2M pager breakthrough, one of these filters could be useful for you. I've owned one of these for over two years and can highly recommend them.

You'll find my review in the 'Observations from Scotland pages' at

http://www.observations.me.uk

The filter is a 4 chamber self resonant helical type with aperture coupling. Insertion loss is miniscule and it is very effective in stopping overload of your transceiver's front end by high powered pagers etc. You can of course transmit through it with absolutely minimal loss. The build quality and performance are excellent.

73 de Al.
GM1SXX

445. RE: [eu-amsat] Re: AO-51 - Working V Up and S down

Yahoo group: eu-amsat
Date: 2006-02-12 17:28:01 UTC
From: Iain McKeracher - BT Internet
Topic: 440 Message: 445

Hi Allan,

I guess, indirectly, I was questioning the viability of FM satellites. The problem is that there are

not many satellites operational in orbit with linear transponders. I have the ability to run a lot of

power on all modes but it all seems a bit pointless on FM satellites.

Personally I think FM satellites are a waste of time and, money should not be wasted launching

them.! I much prefer the linear transponders on FO29 etc. I did a lot on AO-40 and felt that it

was the ideal platform in an ideal orbit!!

Hopefully the Germans will soon give us something similar and perhaps even better.

73

Iain - 5B4AGY

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Allan Copland
Sent: 12 February 2006 11:27
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: AO-51 - Working V Up and S down

Hi Iain.

You said..
>
> With many people transmitting simultaneously on the uplink on FM it is nearly impossible to have a successful contact using this mode!
>

What you are describing is typical of FM satellites. I don't think this sort of problem is about to go away.

On one hand we have the FM birds where uplink power/ antenna gain and bad operating practice reigns supreme, teaching users (via capture effect) that more power and worse manners are OK while on the other hand, with linear birds, *less* power makes things work better.

It must be very difficult (counter-intuitive) for an FM user to migrate to the linear birds while leaving behind all those bad habits acquired through operating FM birds.

Then there are the ones who cant hear themselves but keep plugging away anyway. You'll find these people on both AM and FM birds!

Best of luck with the FM birds. You will need it.

73 de Al.
GM1SXX

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YAHOO! GROUPS LINKS

* Visit your group "eu-amsat
<http://groups.yahoo.com/group/eu-amsat> " on the web.

* To unsubscribe from this group, send an email to:
eu-amsat-unsubscribe@yahoogroups.com
<mailto:eu-amsat-unsubscribe@yahoogroups.com?subject=Unsubscribe>

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<http://docs.yahoo.com/info/terms/> Terms of Service.

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446. Re: AO-51 - Working V Up and S down

Yahoo group: eu-amsat
Date: 2006-02-12 22:56:07 UTC
From: Allan Copland
Topic: 440 Message: 446

Hi Iain.

You said..
> I guess, indirectly, I was questioning the viability of FM satellites.

Well Iain, I think you are only noting what many have been saying for a long time. If the users just accept the decisions made to fly inappropriate technology then there will be more of these birds. I voted with my feet over that issue and left AMSAT-UK after they helped fund an FM mission. I joined AMSAT-India where at least I could at least contribute to a linear transponder bird. Don't forget that you always have a choice.

What worries me most is not the use of FM, which in itself is an inappropriate modulation scheme for satellite use, but the message it gives to users that bad operating practice and plenty of power is the way to go.

There also the matter of University birds using amateur downlinks on what are effectively commercial missions. If all they want to do is collect telemetry, why not use the microwave bands instead and leave the lower bands for two way communications between human beings.

Have a read at http://www.observations.me.uk/Satgen/sgen268.txt
You may remember John (GM4IHJ) Branegan's excellent satellite archive.
He noted the problem of 'me-too' sats as long ago as May 1994.

73 Al.
GM1SXX

447. Orbits.

Yahoo group: eu-amsat
Date: 2006-02-13 13:51:30 UTC
From: John Alan Hackett.
Topic: 447 Message: 447

I think Mak was wondering why the majority of amateur
satellites are in LEO.

In a word Mak, money!.

To expand, simply, that's where the space vehicles
are going these days. Don't forget, amateure satellites
are almost never primary payloads, we have to hitch a ride
on whatever is available at the time.

HEO's would be preferable but it's a bit like Mozambique,
Everybody knows where it is but nobody's going there.

GM1SXX is the brainy one (he claims to have at least three
active braincells). He'll no doubt give a more eloquent
explanation than I can.

My excuse is that I'm down to my last remaining active braincell
and even that one's about to go open circuit.

There is of course always the possibility that a certain PH7
station from the lowlands could "donate" the price of a cheap
HEO rocket.

Remember the old adage though.

There's no such thing as a free lunch ... (launch).

73 John. <la2qaa@...>

448. Orbits, launch sites and inclination..

Yahoo group: eu-amsat
Date: 2006-02-13 16:37:58 UTC
From: Allan Copland
Topic: 447 Message: 448

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <la2qaa@...> wrote:
>
> I think Mak was wondering why the majority of amateur
> satellites are in LEO.
>
> In a word Mak, money!.
>

To this I'd add that there is the issue of orbital inclination.

Arianespace built their spaceport at Kourou (near the equator) to service the Geostationary COMSAT market. The Russians, with the Baikonur, Plesetsk and Svobodny launchsites have greater flexibility. Plestsk (AKA Northern Cosmodrome) was built to serve the need to launch polar satellites efficiently while Baikonur Cosmodrome and Svobodvy can better serve lower latitudes. Baikonur is Russia's primary spaceport but unfortunately with the breakup of the Soviet Union is no longer on Russian territory and so has to be leased from Kazakstan at great cost.

This was the reason for a partial move to Svobodny, an old military launch site. RS16 AKA Zeya , was lauched from there and was named for the nearby river Zeya.

RS16 used a small 64Kgs 'STRELA' structure. Strela is the Russian store-dump satellite systems used by the Russians for battlefield communications. The Strela satellites were launched in 'octets', 8 satellites from each Kosmos launcher. Like the AMSAT Microsats, small differences in drag spreads them out through the orbit plane. Not much data has ever been plublished about the easly RS birds (RS3-8) but it is very likely that they used the small Strela bus.

Satellite launches are very expensive so as secondary 'passengers' we don't get to choose the mission details such as inclination and orbital height.

LEO satellites vary greatly in their footprint from the low orbiting-small footprint birds lobbed out of the ISS or space transportation system to birds like AO7 or even higher near circular orbits.

The Russian's and Europeans are collaborating in a number of projects and things could get very interesting in the relatively near future.

73 Al.
GM1SXX

449. Re: Orbits.

Yahoo group: eu-amsat
Date: 2006-02-13 17:03:49 UTC
From: ph7pcf
Topic: 447 Message: 449

John wrote: There is of course always the possibility that a certain PH7 station from the lowlands could "donate" the price of a cheap HEO rocket.

John, if I could, I certainly would donate it. But it's simple, I can't.

On the other hand I would prefer a HEO or a MEO over a LEO as it would have bigger advantages for the sat hobby. I have read many articles about AO-40 lately and found out that at the time a was still wearing dipers a lot of serious dx-activities was going on there. Unfortunately I've missed all that fun. To raise interest for the satellite hobby I would say focus on a higher orbit sat.

Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <la2qaa@...>
wrote:
>
> I think Mak was wondering why the majority of amateur
> satellites are in LEO.
>
> In a word Mak, money!.
>
> To expand, simply, that's where the space vehicles
> are going these days. Don't forget, amateure satellites
> are almost never primary payloads, we have to hitch a ride
> on whatever is available at the time.
>
> HEO's would be preferable but it's a bit like Mozambique,
> Everybody knows where it is but nobody's going there.
>
> GM1SXX is the brainy one (he claims to have at least three
> active braincells). He'll no doubt give a more eloquent
> explanation than I can.
>
> My excuse is that I'm down to my last remaining active braincell
> and even that one's about to go open circuit.
>
> There is of course always the possibility that a certain PH7
> station from the lowlands could "donate" the price of a cheap
> HEO rocket.
>
> Remember the old adage though.
>

> There's no such thing as a free lunch ... (launch).
>
> 73 John. <la2qaa@...>
>

450. RE: [eu-amsat] Re: Orbits.

Yahoo group: eu-amsat
Date: 2006-02-14 08:14:02 UTC
From: Allan Copland
Topic: 447 Message: 450

Aldert said..

>On the other hand I would prefer a HEO or a MEO over a LEO as it would have bigger advantages for the sat hobby. I have read many articles about AO-40 lately and found out that at the time a was still wearing dipers a lot of serious dx-activities was going on there. Unfortunately I've missed all that fun. To raise interest for the satellite hobby I would say focus on a higher orbit sat.

Hi Aldert, I believe there are already two Heo's in AMSAT plans.
Eagle and P3E are both listed as HEO's.
http://www.amsat.org/amsat-new/express/
http://www.amsat-na.com/donation.php

How many do you need? You can only work one at a time :-)

Much depends on what you want out of the hobby. Do you think there should be more than two HEO's?
Many users like the challenge of LEO birds. Doppler, tracking and operating.
The AMSAT NA site's donation page lists Eagle 1&11... perhaps there will be two Eagle HEO's? A HEO bird is generally far more complex than a LEO and there are therefore many more potential failure modes.

Kind Regards,
Al.
GM1SXX

451. POWER.

Yahoo group: eu-amsat
Date: 2006-02-14 08:49:46 UTC
From: John Alan Hackett.
Topic: 451 Message: 451

POWER.

How much is enough?.

There could be many answers to that question but the correct one regarding amateur satellite communications is, "Just enough to maintain effective communications".

For instance, how many people reduce their power as the satellite they're operating on approches TCA (time of closest approach). A good operator will, because they know that the use of excessive power is *not* good for the transponder.

Case in point. When AO-7 first comes up over the horizon you'll probably need "X" amount
of power to communicate effectively. However, after 10-15 minutes, as the range decreases
you'll find that a 3dB (50%) reduction of power will have no effect whatsoever on the signal.

A *VERY* sensitive S-meter might show a difference but your ears certainly won't.

Hands up those that actually regulate their power to maintain effective communications.

(No, I didn't think so).

You should try it sometime, you might get a surprise.

By the way, we do know (don't we?) why most satellites have a beacon?.

The principle reason for a beacon is so that you can regulate your power to be consistent with that beacon, it's your reference. No signal should ever be more powerful than the beacon. That's what it's there for. Naturally, it will also serve as your propagation reference.

The basic principles of aerial gain are explained at ...

<http://www.observations.me.uk/DOGS/ANTENNA%20SYSTEMS.htm>

73 John. <la2qaa@...>

452. RE: [eu-amsat] POWER.

Yahoo group: eu-amsat
Date: 2006-02-14 09:08:01 UTC
From: Allan Copland
Topic: 451 Message: 452

John,

Thanks for the article
Could I offer a small amendment (in brackets)
Please approve/shoot down in flames as appropriate.

I had thought that a small table of power and antenna gain for LEO & HEO might be useful as ballpark figures.
Users have to start from some reference value. If they dont know whats reasonable, they will certainly get it wrong.

Al.
Will peruse more and post on Dogs.

POWER.

How much is enough?.

There could be many answers to that question but the correct one regarding amateur satellite communications is, "Just enough to maintain effective communications". (No honest satellite signal strength report should ever be a 9)

For instance, how many people reduce their power as the satellite they're operating on approches TCA (time of closest approach). A good operator will, because they know that the use of excessive power is *not* good for the transponder.

Case in point. When AO-7 first comes up over the horizon you'll probably need "X" amount of power to communicate effectively. However, after 10-15 minutes, as the range decreases you'll find that a 3dB (50%) reduction of power will have no effect whatsoever on the signal.

A *VERY* sensitive S-meter might show a difference but your ears certainly won't. Hands up those that actually regulate their power to maintain effective communications.(No, I didn't think so).

You should try it sometime, you might get a surprise. By the way, we do know (don't we?) why most satellites have a beacon?.

The principal reason for a beacon is so that you can regulate your power to be consistent with that beacon, it's your reference. No signal should ever be more powerful than the beacon. That's what it's there for. Naturally, it will also serve as your propagation reference.

The basic principles of aerial gain are explained at ...

<http://www.observations.me.uk/DOGS/ANTENNA%20SYSTEMS.htm>

453. RE: [eu-amsat] POWER.

Yahoo group: eu-amsat
Date: 2006-02-14 09:46:10 UTC
From: john hackett
Topic: 451 Message: 453

Al,
Two of the reasons I didn't compose a table for HEO v LEO comparisons of power are ...

1) The permutations are endless.
2) A power reference is always included (or should! be) on a satellite anyway, namely, the beacon.

It would be pointless to make up a table referencing for instance the now defunct AO-13 or AO-40 satellites because each satellite (and orbit) is individual in it's requirements regarding power.

To date, not one single satellite has been operated with the "recommended" amount of power,
there are simply too many variables, not least of which is the state of the propagation, aerial gain, location, and receiving equipment. Therefore IMHO it would be unwise to make a list of the "recommend" amount of power needed for a particular satellite or orbit.

The beacon is the reference. As I mentioned, "enough power to communicate effectively" and
"no signal should ever be stronger than the beacon" is in my opinion adequate.

This implies that if you can't hear the beacon well enough (assuming the satellite is working properly) you need to improve your receiving capabilities, and you should regulate your power so that the downlink is consistent with the beacon.

Note that I said: "assuming the satellite is working correctly". Any deviation from the norm: due to either propagation, range or orbit and you should regulate your power with the beacon as your reference.

73 John. <la2qaa@...>

454. Addendum.

Yahoo group: eu-amsat
Date: 2006-02-14 10:15:10 UTC
From: John Alan Hackett.
Topic: 454 Message: 454

A point to ponder.

Another reason why a list of power levels is not recommended for satellite operations.

When operating via a satellite don't be surprised if you receive a signal report of 439 when you're hearing yourself at 579, there can be reasons for the discrepancy. It's not always the S-meter or the other persons aerial "at fault".

Remember that satellite signals are passing through the ionosphere twice! and the current density of the ionosphere may be quite different between you and the satellite and that of your QSO partner and the satellite.

73 John. <la2qaa@...>

455. RE: [eu-amsat] POWER.

Yahoo group: eu-amsat
Date: 2006-02-14 10:34:13 UTC
From: Allan Copland
Topic: 451 Message: 455

Hi John,

U SED...
Two of the reasons I didn't compose a table for HEO v LEO comparisons of power are ...

1) The permutations are endless.
2) A power reference is always included (or should! be) on a satellite anyway, namely, the beacon.

Agreed... very sensible.

Will include on the main page of the website since it is such an important issue.
It'll be replicated elsewhere in the site in case I ever remove it from the main Index.

Al.

456. Re: [eu-amsat] POWER.

Yahoo group: eu-amsat
Date: 2006-02-15 19:26:56 UTC
From: Emily Clarke
Topic: 451 Message: 456

At 12:49 AM 2/14/2006, John Alan Hackett. wrote:

>The basic principles of aerial gain are explained at ...
>
><<http://www.observations.me.uk/DOGS/ANTENNA%20SYSTEMS.htm>http://www.observations.me.uk/DOGS/ANTENNA%20SYSTEMS.htm>
>
>73 John. <la2qaa@...>

In addition to gain, it's important to address the issue of polarization, something I have struggled with presenting in the past. I've recently upgraded my Sat Intro presentation to include this topic and I hope the diagrams will prove helpful.

The entire presentation is at:
http://www.planetemily.com/n1did/presentations/SatIntro2006.pdf

(Adobe Acrobat - 1.45MB)

In particular the discussion about polarization begins on page 30.

73,

Emily

457. Observations.

Yahoo group: eu-amsat
Date: 2006-02-15 22:07:11 UTC
From: Allan Copland
Topic: 457 Message: 457

'OBSERVATIONS'

Some of the LA2QAA Observations are archived on the following website.

You can also find Joint LA2QAA/GM1SXX Observations, Observations from Scotland and Observations by others there.

http://www.observations.me.uk/Observations_from_Norway/index.htm

http://www.observations.me.uk/Observations_from_Scotland/index.htm

http://www.observations.me.uk/Joint_Observations/index.htm

Regards,

Al.
GM1SXX

458. Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 09:30:42 UTC
From: Allan Copland
Topic: 458 Message: 458

Hi Folks.

As Emily noted in her online AMSAT presentation.

A linear mismatch between antennae will result in a loss from 0Db to 20Db (at 90 degrees error)
A circular mismatch (between RHCP and LHCP) also results in a -20Db loss.
A mismatch between circular and Linear will result in a 3Db loss

So the worst situations you can create is to use linear polarisation with a linear bird (antenna rotated 90 degrees) or to use an LHCP antenna with a RHCP bird ,or a RHCP antenna with an LHCP bird.

In all such cases, the *theoretical* mismatch will cause a 20Db signal loss.

The BEST case mismatch is to use CP (any polarisation) with a linearly polarised antenna (or vice versa). This only results in a fairly insignificant 3Db loss. This is worth remembering!
This loss is also theoretical. I

If should be remembered that ALL the cases listed above are theoretical figures based on optimal conditions.

In the real world, things are not so straightforward. Here's why.

Rarely are satellite and groundstation antennae directly pointed at each other. In general, there is a measure of pointing error or 'squint'. This is important to consider.

In such a case, and thats most of the time for most users ..with the possible exception of Molniyas under certain conditions when they are accurately earth-pointed, the polarisation 'seen' by the receive or TX antenna on the ground will *not* be CP. It may be elliptical but it can *not* be CP and its called 'squint angle'.

To state a point that everybody who uses CP birds should know. Polarisation is ONLY CP down the boresight of the antenna(e). In *all* other cases, it is NOT CP.

Somewhat interestingly, the best of a bad lot is the situation where one end of a link (usually the satellite) uses CP while the groundstation uses linear polarisation. This causes the least signal loss of all mismatch conditions.
Remember that... CP to linear or Linear to CP is the 'best' mismatch condition. It could even save you money... on aluminium!

When I started monitoring satellites (both amateur and commercial) I used expensive commercially made CP antennae. Being the generally distrustful sort, especially when it comes to parting with money, I wondered what difference there would be if I switched to ordinary linearly polarised types. Somewhat to my surprise, there was very little difference and it taught me a lot along the way.

Take a CP bird and a handheld linear antenna. You can see this in action with any Arrow user. The polarisation veries throughout the pass and your 'Arrow' man will be talking and twisting his antenna for the best polarisation match *at that moment in time*.

I learned this long before FM birds and Arrows came along.

FACT... the polarisation on a CP LEO bird changes continually during a pass.
(Otherwise those Arrow guys are kidding themselves).

FACT... the polarisation can only be CP when groundstation antennae and satellites antennae are pointed DIRECTLY at each other.

In reality, depending on the frequency used and solar activity, even that can change... faraday rotation and scintillation.

So, CP or linear antennae? Take your pick. The reality is that it doesn't much matter (3Db worst case) and if you do go for CP, be absolutely sure it has the correct sense or you will be looking at a 20Db loss, but even that only theoretical!

For myself... I use linear. I've used it for many years.

73 Al.

459. Re: [eu-amsat] Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 11:37:23 UTC
From: Jean-Jacques DE REY
Topic: 458 Message: 459

Hi Al,

After 20 years operating on SATS, I can completely agreed with you.

I abandoned the circular polarisation after I did some tests 'how circular' my polarisation was !

During these tests, much to my surprise the commercial products offering 'CP' antennas complete with phasing harness do not produce a clean CP pattern, it is very elliptical ...

I then tried to do it myself (Yagi, turnstile, ...) but I couldn't do better. Either the polarisation was not circular, either the SWR was out of normal limits...

I concluded that (in practice) generating a CP on basis of linear antennas is a non-sense. If you really want CP, well then go for an antenna where the mechanics are circular .... like a patch antenna or helix - these are OK !

So since 20 years I am using a pair of linear antennas, both for TX as RX.

My advise would be to purchase 'circular' antennas, but do not use the phasing harness. Instead, run to your shack with 2 coax lines (or make it switchable at antenna with relay) and select either polarisation. The possibility to switch over is essential on some birds/ conditions (e.g. AO-7 when low over horizon... it really makes a difference of working DX or hearing 'nothing'!) I know that in the past there were some 'magic boxes' available where you could select from the shack either of 4 polarisations (H, V, RHCP, LHCP). This smart box was off course connected to the antenna by 2 lenghts of coax of same lenght, I don't know if they are still available and have no experience with them...

See you on the birds and vy 73!

Jean-Jacques ON7EQ

----- Original Message -----
From: Allan Copland
To: eu-amsat@yahoogroups.com
Sent: Thursday, February 16, 2006 10:30 AM
Subject: [eu-amsat] Polarisation myths.

Hi Folks.

As Emily noted in her online AMSAT presentation.

A linear mismatch between antennae will result in a loss from 0Db to
20Db (at 90 degrees error)
A circular mismatch (between RHCP and LHCP) also results in a -20Db loss.
A mismatch between circular and Linear will result in a 3Db loss

So the worst situations you can create is to use linear polarisation with a linear bird (antenna rotated 90 degrees) or to use an LHCP antenna with a RHCP bird ,or a RHCP antenna with an LHCP bird.

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This loss is also theoretical. I

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In the real world, things are not so straightforward. Here's why.

Rarely are satellite and groundstation antennae directly pointed at each other. In general, there is a measure of pointing error or 'squint'. This is important to consider.

In such a case, and thats most of the time for most users ..with the possible exception of Molniyas under certain conditions when they are accurately earth-pointed, the polarisation 'seen' by the receive or TX antenna on the ground will *not* be CP. It may be elliptical but it can *not* be CP and its called 'squint angle'.

To state a point that everybody who uses CP birds should know. Polarisation is ONLY CP down the boresight of the antenna(e). In *all* other cases, it is NOT CP.

Somewhat interestingly, the best of a bad lot is the situation where one end of a link (usually the satellite) uses CP while the groundstation uses linear polarisation. This causes the least signal loss of all mismatch conditions.
Remember that... CP to linear or Linear to CP is the 'best' mismatch condition. It could even save you money... on aluminium!

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(Otherwise those Arrow guys are kidding themselves).

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In reality, depending on the frequency used and solar activity, even that can change... faraday rotation and scintillation.

So, CP or linear antennae? Take your pick. The reality is that it doesn't much matter (3Db worst case) and if you do go for CP, be absolutely sure it has the correct sense or you will be looking at a 20Db loss, but even that only theoretical!

For myself... I use linear. I've used it for many years.

73 Al.

Yahoo! Groups Links

460. Re: Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 12:02:35 UTC
From: Allan Copland
Topic: 458 Message: 460

--- In eu-amsat@yahoogroups.com, "Jean-Jacques DE REY" <j.derey@...>
wrote:
> Hi Al,
>
> After 20 years operating on SATS, I can completely agreed with you.
> I abandoned the circular polarisation after I did some tests 'how
circular' my polarisation was !
>
> During these tests, much to my surprise the commercial products
offering 'CP' antennas complete with phasing harness do not produce a
clean CP pattern, it is very elliptical ...
>

Hi Jean-Jacques,

It is a sad fact that many commercial CP crossed yagis with their
associated 'phasing harnesses' don't provide very acceptable CP.
I'm sure that LA2QAA can explain more, he knows a lot more about
antenna systems than I do. I only dabble but it used to be John's
'day job'.

I came to the same solution as yourself re polarisation in that I use
a pair of switched linear yagi antennae for 70Cms and have a co-ax
switch in the shack to select the active one.

Another option is the 'polarphasor' but I have not seen one for years.
In essence the Polarphasor allowed phase delays to be programmed into
the system. It was a simple device containing a printed delay line
connected to a multipole switch. I owned one for a while before I
went back to separate V + H antennae.

I spent quite a bit of time experimenting with NOAA WX sats and
amateur birds with a variety of antennae. I tried linear yagi,
crossed yagi/delay line, turnstile reflector with delay line and even
a simple hairpin over a ground plane of chicken wire. I found that it
didn't much matter what I used. At that time I liked dabbling more
than operating and to a large extent still do.

IMHO It *does* make sense to have CP on the bird, whether amateur or
commercial. You then have the option of using almost any antenna you
choose except for a CP antenna of the wrong sense. That is the worst
case scenario of all. Having CP on the bird ensures that almost any
antenna will work acceptably given that it has adequate gain.

One point I'd make is that most amateur satellites are small in terms
of wavelength (for the lower bands) so they won't make effective
reflectors for a monopole/reflector with delay line style of antenna

as is carried on many of them. Think of the implications of that with regard to CP.

From the satellite's end, regarding CP, its far easier on a satellite to generate a proper CP signal at the higher frequencies using an axial mode helix or dish. There are restrictions there also in terms of size and space. You need a reasonable number of turns on such a helix because the feed structure will skew the pattern. Patch type antennae are also becoming increasingly popular for the higher frequencies.

73 Al.
GM1SXX

461. Re: [eu-amsat] Re: Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 12:18:20 UTC
From: Jean-Jacques DE REY
Topic: 458 Message: 461

OK Al,

When you mentioned the NOAA sats, it came into my mind that in the list op 'perfect' CP antenna's by construction, I forgot to mention the QFH (Quadrifilar Helical).

Next to the QFH, forget about turnstiles, Lindenblad, ... ;o)

I use the QFH for reception of ISS APRS (Satellite Internet Gateway) and NOAA's (see http://wxsat.shacknet.nu:443).

I guess that with adequate power this antenna could perform very well for LEO uplinks as well.

73s

Jean-Jacques DE REY - ON7EQ

----- Original Message -----
From: Allan Copland
To: eu-amsat@yahoogroups.com
Sent: Thursday, February 16, 2006 1:02 PM
Subject: [eu-amsat] Re: Polarisation myths.

--- In eu-amsat@yahoogroups.com, "Jean-Jacques DE REY" <j.derey@...>
wrote:
> Hi Al,
>
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> I abandoned the circular polarisation after I did some tests 'how
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associated 'phasing harnesses' don't provide very acceptable CP.
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I came to the same solution as yourself re polarisation in that I use
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switch in the shack to select the active one.

Another option is the 'polarphasor' but I have not seen one for years. In essence the Polarphasor allowed phase delays to be programmed into the system. It was a simple device containing a printed delay line connected to a multipole switch. I owned one for a while before I went back to separate V + H antennae.

I spent quite a bit of time experimenting with NOAA WX sats and amateur birds with a variety of antennae. I tried linear yagi, crossed yagi/delay line, turnstile reflector with delay line and even a simple hairpin over a ground plane of chicken wire. I found that it didn't much matter what I used. At that time I liked dabbling more than operating and to a large extent still do.

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From the satellite's end, regarding CP, its far easier on a satellite to generate a proper CP signal at the higher frequencies using an axial mode helix or dish. There are restrictions there also in terms of size and space. You need a reasonable number of turns on such a helix because the feed structure will skew the pattern. Patch type antennae are also becoming increasingly popular for the higher frequencies.

73 Al.
GM1SXX

Yahoo! Groups Links

462. Polarisation myths... more.

Yahoo group: eu-amsat
Date: 2006-02-16 13:17:02 UTC
From: Allan Copland
Topic: 458 Message: 462

Hi Jean-Jacques

> When you mentioned the NOAA sats, it came into my mind that in the list op 'perfect' CP antenna's by construction, I forgot to mention the QFH (Quadrifilar Helical).
>

Indeed. I can think of no reason at all why a properly built QFH would not serve very well as a LEO ONNI antenna.

My only excuse for not trying the QFH is that it involves a bit of work, (that 4 digit 'swear' word) unlike simple T/R's and the like.

QFH's DO work. I've used ones made by Spembly in the past (for WXSATS). In many ways they are the perfect LEO antenna because of their polar pattern, providing a consistent signal from horizon to horizon.

Lindenblads can't be all bad. Our local airfield (Glasgow International) has a forest of the things. In some ways aircraft are like satellites... you can never know the signal polarisation at the groundstation, so CP on the ground makes a lot of sense in that situation.

The point I'm making is that CP at ONE end of an unpredictable (with regard to signal polarisation) link always makes sense. Max theoretical loss is 3Db's, and with satellites, it makes the greatest sense to put CP on the satellite rather than at the groundstation.

73 Al.

463. J.J. said ...

Yahoo group: eu-amsat
Date: 2006-02-16 17:18:00 UTC
From: john hackett
Topic: 458 Message: 463

Hello J.J.
I wholeheartedly agree with your latest posting and wrote much
on that very subject many years ago in my column in Oscar News.

I don't believe we'd be doing potential newcomers a favour by teaching them
about the mechanics of circular polarisation, on the contrary, I seriously
believe we'd be giving the impression that satellite operating is a bit more
difficult and expensive than it actually is.

I've also done a fair bit of research with phased arrays and circular
polarisation but elect to use an elliptical polarised array myself ... at
least on LEO's.

I wrote about the circular polarisation/boresight only phenomonen in an
article for the original "Satellite for Dogs" book many years ago ... now
rechristened "Observations" ... online at ...

<http://www.observations.me.uk/DOGS/ANTENNA%20SYSTEMS.htm>

I elected *not* to write about polarisation so as not to cloud the issue for
the potential newcomer.

It's my experience that many people often confuse polarisation changes with
other propagation anomolies. As you correctly state, it's extreemly
difficult to acheave true circular polarisation from linear polarised
aerials. I've been at it for 39 years and still havn't managed it.

You'll also obviously know that to come anywhere near to understanding
what's really going on a simple MFJ antenna analyser just isn't enough. At
the very least, the measurements have to be made in the far field of a
transmitting aerial and a genuine antenna test range is the minimum
requirement for this. Any measurements taken in the near field of a
transmitting aerial will be false.

You probably also know that commercial aerial manufacturers use 100Mhz
"models" and scale their designs. The worst case I've seen being a large
chunk of carbon to "doctor" the impedance ...
(which, while it presented a match, didn't add a too much to the radiation
efficiency, hi).

I believe certain people made certain assumptions 40 years ago and a lot of
people just jumped on the bandwaggon ... particularly the aerial
manufacturers. Adding a little mistification = more sales.

In English we say ... "Blind 'em with science!" ... or ... "If you don't
know what you're talking about,
just waffle!" ... I'm referring to certain aerial manufacturers with their

magic aerials who very often
attempt to change the laws of physics to suit their designs.

73 John. <la2qaa@...>

464. Re: [eu-amsat] Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 18:03:31 UTC
From: Emily Clarke
Topic: 458 Message: 464

At 01:30 AM 2/16/2006, Al wrote:
>In all such cases, the *theoretical* mismatch will cause a 20Db signal
>loss.

and also wrote:

>If should be remembered that ALL the cases listed above are
>theoretical figures based on optimal conditions.

Yes indeed - it is theoretical, as is almost anything to do with antenna gain. (I am fighting this battle with my three year old yagis that have been bounced, bent and are nowhere near the theoretical gain when they were new.) I think when one is trying to design/select antennas for any purpose you design for the theoretical best case (optimal) scenario. Designing for the worse case scenario (IMHO using an eggbeater) seems anti-productive.

Al went on further to say:
>To state a point that everybody who uses CP birds should know.
>Polarisation is ONLY CP down the boresight of the antenna(e). In
>*all* other cases, it is NOT CP.

I believe what you are describing here is the case when the e-field and h-field are not matched in shape and/or are not exactly 90 degrees out of phase, which causes the wave to appear to be an ellipse. I have not been able to find out what effect an elliptically polarized wave has on a circular or linear receiving antenna, however if I had to guess I would guess the loss between similarly matched (RHEP into RHCP or LHEP into LHCP) is likely to be up to a -3db loss. So for a low earth orbit nadil pointing CP satellite, anyone experiencing a squint angle greater than the 3db beamwidth of the transmitting antenna would probably experience elliptical polarization thus potentially pushing the loss up to -6db. However as Al points out...

>The BEST case mismatch is to use CP (any polarisation) with a linearly
>polarised antenna (or vice versa). This only results in a fairly
>insignificant 3Db loss. This is worth remembering!
>This loss is also theoretical.

I generally agree with this and ...

>For myself... I use linear. I've used it for many years.

I also use linear (2M=H, 70cm=V) for a number of reasons that have to do with designing the best array for the available space (the balcony off the top floor of my townhouse.)

http://www.emilyshouse.com/gallery/AntennaPix/Antennas

The antennas are high gain for their size (both antennas less than 1M in length) and weight (both under 1Kg) and have very good 3db beamwidth (60 deg) so I can use a fixed elevation (1/2 the 3db beamwidth) and rotate by hand. I have excellent coax (LMR-400 ultraflex) and can turn on preamps on either band if needed. These help keep all the signals up into the S9+ range on any LEO. (John has listened in over Echolink and can attest that signals don't fade below full quieting until the satellites drop below ~7 degrees, caused mostly by thick trees and mountains.) AO-51 is a very good example of a satellite that transmits circular, but depending on which transmitter (A or B) is used it may be transmitting RHCP or LHCP. So why fool around with switching polarity when linear will work just fine?

I did a test about a year ago trying to get two identical 70cm yagis to exhibit the theoretical -20db loss when set at opposite polarity. I don't have a chamber so the test was run across a soccer field with a 1mw carrier at 440MHz at one end and a spectrum analyzer at the other. I was never able to get the signal more than -8db regardless of how exacting I tried to mis-match the two antennas. I'm sure part of the reason why was that signal was bouncing off the ground and other places, but my guess is that is very similar to any other real-life situation IMHO. So when people tell me that two linear antennas are going to be up to -20db it doesn't frighten me. In practice I don't believe it will ever happen.

73,

Emily

465. Re: Polarisation myths.

Yahoo group: eu-amsat
Date: 2006-02-16 20:05:05 UTC
From: Allan Copland
Topic: 458 Message: 465

Hi,
Thirteen years ago or thereabouts, I used to live in a communal block of flats which fortunately for me had good neighbours who allowed me to put up a DIY 'tilt-over' tubular 'mast' on the rear of the building to take my 8ele 2M beam and 2 * 8ele 70cms ones. This thick-walled 'mast' was trashed in a ferocious storm storm which brought the whole lot down to Earth (the 'mast' actually failed in the middle through overloading) trashing my antennae. There was a horrible loud groaning noise followed by an almighty crash! Being of Scottish parentage, I did not want the expense of buying a new set of beams so I salvaged what I could .. the booms and insulating spacers mainly, and made a new set of directors, driven elements and reflectors for the booms. It seemed like a good idea at the time.

The antenna systems were/are all of the ZL-yagi type. For anyone unfamiliar with this type, they use folded dipole driven elements and reflectors with the reflector driven in anti-phase. This makes for a compact beam with a good F/B ratio.

The tubular aluminium for the replacement elements came from the local DIY emporium. Since the original elements were mangled, I had to do more than a little 'guesstimation' as to the element lengths. The toughest part was re-making the folded dipole driven and director elements for the three beams. I had to make a wooden bending jig and fill the tubes with sand to avoid kinking them. I persevered and they turned out pretty good. I replaced the original zinc-plated fixings with stainless steel ones. That was around 13 years ago and I still have those antennae, now as stealthy types hidden inside my attic 'radome'. I'm glad I rebuilt them now because they work pretty well. You don't want to know what else is in there, its a veritable rat's nest of aluminium and wires.

I agree with Emily's comments re the theoretical nature of antenna measurements. To do meaningful work, you'd need a proper test range and the associated equipment.

I do think that antenna polarisation is a greatly over-emphasized area on the amateur satellite scene.
My own personal experience is that linear works fine in most situations and if one has the space, switchable crossed yagis can be of some benefit. I suspect that many natural effects such as ducting, scintillation and faraday rotation are mistaken for polarisation problems when the truth is somewhat more mundane.

Have a good weekend.

73 Al
GM1SXX

466. Wave mechanics

Yahoo group: eu-amsat
Date: 2006-02-16 21:37:14 UTC
From: Allan Copland
Topic: 466 Message: 466

Hi,

For those with an interest in the bahaviour of EM waves, Aldert has found this superb and fascinating piece of software that explains wave mechanics elegantly in an interactive downloadable program.

You can download a copy at ..
http://www.enzim.hu/~szia/emanim/emanim.htm
This is a great piece of software.

Thanks to Aldert and John for this and of course the author of such a fine piece of software.

73 Al.
GM1SXX
PS...for anyone who noticed my little faux-pas, I know it's Thursday. My 'have a nice weekend' was a little premature, something to do with me being on holiday for a few days:-)

467. Re: Orbits.

Yahoo group: eu-amsat
Date: 2006-02-16 23:55:40 UTC
From: ph7pcf
Topic: 447 Message: 467

Al,

Yes I know 2 (or 3) HEO's are skeduled and those 2 or 3 would be
enough for for me. The only thing is there's no HEO now, and having
missed the fun of a HEO, I would go for that one.

> How many do you need? You can only work one at a time :-)

Yes correct. But how many LEO's do you need then? I count 3 linear
LEO's and 3 FM birds.

> Many users like the challenge of LEO birds. Doppler, tracking and
> operating.

Yes must say it's quit a challenge to manually correct the doppler,
track sat and operate. Having some sotfware yet to correct the
doppler and having (in due time) a rotor tracking system, that would
leave operating. Yes that's the thing I prefer to do Al. Must be my
lazy nature.

Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, "Allan Copland" <acopland@...>
wrote:
>
> Aldert said..
>
> >On the other hand I would prefer a HEO or a MEO over a LEO as it
> would have bigger advantages for the sat hobby. I have read many
> articles about AO-40 lately and found out that at the time a was
> still wearing dipers a lot of serious dx-activities was going on
> there. Unfortunately I've missed all that fun. To raise interest
for
> the satellite hobby I would say focus on a higher orbit sat.
>
> Hi Aldert, I believe there are already two Heo's in AMSAT plans.
> Eagle and P3E are both listed as HEO's.
> http://www.amsat.org/amsat-new/express/
> http://www.amsat-na.com/donation.php
>
> How many do you need? You can only work one at a time :-)
>
> Much depends on what you want out of the hobby. Do you think there
> should be more than two HEO's?
> Many users like the challenge of LEO birds. Doppler, tracking and
> operating.

> The AMSAT NA site's donation page lists Eagle 1&11... perhaps there
> will be two Eagle HEO's? A HEO bird is generally far more
complex
> than a LEO and there are therefore many more potential failure
modes.
>
> Kind Regards,
> Al.
> GM1SXX
>

468. The blind leading the blind.

Yahoo group: eu-amsat
Date: 2006-02-17 01:00:51 UTC
From: John Alan Hackett.
Topic: 468 Message: 468

I pulled the following from a post on the Amsat-bb yesterday.
It's an example of how *not* to teach the potential
newcomer.

<so you will need an amp for 2 meters for
<Mode A and J, and a 70cm amp for Mode B on AO7.

You *DO NOT* need an amplifier for mode-B on AO-7 ...
unless of course you really are only transmitting 10w to a length
of wet string through more than 150 meters of RG-58 on 70cm ...
(with SO-239 connectors).

I would suggest the author of the above statement (callsign
intentionally omitted to preserve world peace) read the recommended
operating proceedure for AO-7 at ...

<http://www.planetemily.com/ao7/redirected.php>

There is also an explanation of why! you shouldn't use excessive
power.

See also <http://www.observations.me.uk/howmuchpowerisenough.htm>

73 John. <la2qaa@...>

469. Re: Orbits.

Yahoo group: eu-amsat
Date: 2006-02-17 07:54:09 UTC
From: Allan Copland
Topic: 447 Message: 469

Hi Aldert.

You said...

> Yes I know 2 (or 3) HEO's are skeduled and those 2 or 3 would be
> enough for for me. The only thing is there's no HEO now, and having
> missed the fun of a HEO, I would go for that one.
>
Good point. Perhaps a strategy of rolling replacement rather than two
at a time might be beneficial.

> Yes correct. But how many LEO's do you need then? I count 3 linear
> LEO's and 3 FM birds.
>
Well yet again Aldert you make a good point. FM birds are boring,
boring, boring, so I dont count those. Of the LEO's there are
differences in orbits that make things interesting.

> > Many users like the challenge of LEO birds. Doppler, tracking and
> > operating.
>
> Yes must say it's quit a challenge to manually correct the doppler,
> track sat and operate. Having some sotfware yet to correct the
> doppler and having (in due time) a rotor tracking system, that would
> leave operating. Yes that's the thing I prefer to do Al. Must be my
> lazy nature.

Yes, thats the good thing about the amateur radio hobby. There is
something for everyone. Although generally lazy myself, when it comes
to satellites, I like to be as busy as possible. An extra brain and a
pair of hands would be great!

Regards,
Al.
GM1SXX

470. Just so you know.

Yahoo group: eu-amsat
Date: 2006-02-18 08:18:34 UTC
From: john hackett
Topic: 470 Message: 470

Useless information dept:

A quick "shuftie" at the AO-7 log shows a current
DXCC prifix count of 31 with all continents represented.

You'll sleep better at night knowing that, right? ... right!.

73 John. <la2qaa@...>

471. Antennae on the cheap.

Yahoo group: eu-amsat
Date: 2006-02-22 14:39:00 UTC
From: Allan Copland
Topic: 471 Message: 471

Hi Folks,

Regulars will all know this site but for the benefit of newcomers who may be looking for ideas for amateur satellite antenna systems, have a look at Jerry Brown K5OE's website where there are a lot of ideas and easy to build designs.

http://members.aol.com/k5oe/

Why spend money when you can build antenna systems from junk!

At the weekend I was looking for a new project so I built one of Jerry's 70Cms Quagi's. It works well and is very simple to construct. For the elements I used 2mm diameter aluminium welding wire and for the reflector and driven elements I used some copper wire stripped from mains cable. My boom was a piece of 18mm square pine I found lying in the back garden. This Quagi will join my 2M 8ele ZL-Special yagi on an azimuth rotator in the attic.

I like this antenna so much that I plan to build another one soon, this time for 'hill-topping', perched on top of a fibreglass fishing-pole.

73 Al.
GM1SXX

472. Cute eh?.

Yahoo group: eu-amsat
Date: 2006-02-23 08:09:28 UTC
From: john hackett
Topic: 472 Message: 472

>From: "Trevor M5AKA" <m5aka@...>
>To: amsat-bb@...
>Subject: [amsat-bb] Cute-1.7 Reception Reports
>Date: Wed, 22 Feb 2006 22:05:42 +0000
>
>I've just checked the Cute-1.7 Reports Map at
>
>http://lss.mes.titech.ac.jp/ssp/cute1.7/cute17_map_e.html
(>
>and was suprised at how few reports they've had so far, only 31 !! Surely
>there must be more than 31 AMSAT members World-Wide who've heard it ?

Err ... it couldn't possibly be that some operators couldn't give a rodent's bum about another university (digital) picosat, where the minimum requirement to transmit is at 23cm in a LEO orbit.

could it?.

Or perhaps the fact that a lot of operators simply don't have the 23cm 9600bps equipment needed to transmit the odd frame or two, and therefore say to themselves ... for the amateur community?, but how many of them?, I'm not investing/constructing new equipment for this.

(I belong to the latter).

Before anyone replies with ... try 9600bps before you comment ... I did, many years ago and found it extreemly boring.

OK, I know the satellite was designed to test the "new" (!) technology ... (like Ronseal, "It does what it says on the tin") ... but a transponder that would have been actually used by more than 40 amateurs worldwide might have been an idea.

Did the designers learn nothing from the old Pacsat experiments?.

Well, it's one way to justify the use of "unused" amateur frequencies.

Just a thought.

73 John. <la2qaa@...>

473. Gentlemanly operating proceedure?.

Yahoo group: eu-amsat
Date: 2006-02-23 10:35:14 UTC
From: John Alan Hackett.
Topic: 473 Message: 473

To the gentleman with the habit of calling CQ on the top of other stations already in QSO ... (he knows who he is) ... I won't type the callsign, in an attempt to preserve world peace.

Sir, why do you call CQ on top of other stations who are already using the frequency?. Normal amateur satellite operations use the full duplex mode and even if you can't hear one end of the QSO due to propagation anomolies it's very unlikely you can't hear both ends of a QSO in progress.

The trick is to LISTEN before you transmit ... and also make sure you can actually hear someone when they answer you. Ignoring them is very impolite.

Normally I wouldn't mention it on this reflector but it does seem to be a habit with this one particular station calling CQ on top of QSO's in progress.

After having moved several Kc/s to a clear frequency to complete the QSO only to find we're still being QRM'd by the same station suggests either a lack of an adequate receive system or that it's being done deliberately.

It's not enough to just transmit ... you need to be able to receive your own downlink, especially when two other stations are already operating on that particular downlink frequency.

If other people answer someones call that means that they can copy the transmitted signal ... which also means that everybody else should be able to hear it too.

There's plenty of room on AO-7 so It's not necessary to transmit a signal so that the downlink appears on the top of other station's who are in QSO.

I apologise if this mail sounds like "sour grapes" ...not my intention ... the object of the exercise is to make one particular station aware of good operating proceedure and gentlemanly conduct on a full duplex linear transponder.

73 John. <la2qaa@...>

474. Mode A v is-a-vis mode-B.

Yahoo group: eu-amsat
Date: 2006-02-23 11:05:08 UTC
From: john hackett
Topic: 474 Message: 474

Hi All,
Re: the mode-A v mode-B debate.

The AO-7 log <http://www.planetemily.com/ao7/ao7log.php> speaks for itself ... especially considering the satellite has switched between modes A & B every 24 hours for the last few weeks.

Of course, the equipment available in the shack has something to do with it but none-the-less, the entries in the log speak for themselves as to which of the two modes is the more popular among the general populace of amateur satellite operators.

(The experienced operators are of course aware of other reasons why mode-B is preferred).

Just thought I'd bring this interesting fact it to your attention.

73 John. <la2qaa@...>

475. Re: Cute eh?

Yahoo group: eu-amsat
Date: 2006-02-23 13:02:40 UTC
From: Allan Copland
Topic: 472 Message: 475

John said..

> Err ... it couldn't possibly be that some operators couldn't give a
rodent's
> bum about another university (digital) picosat, where the minimum
> requirement to transmit is at 23cm in a LEO orbit.
>
> could it?.

Well for what its worth, I'd rather these 'me-too-sats used the
relatively quiet microwave bands rather than the lower bands where
most licenced radio amateurs hang out.

Look at it this way, using microwaves, even the so called 'DC bands'
would relieve the demand for valuable frequency allocations on the
lower bands. It would give the geeks and 'designers' in Universities
a challenge and maybe even result in some progress in digital modes.
(I wonder if they have included PSK31?)

Being serious for a minute, all this has been said before... GM4IHJ
was warning of the hijacking of the amateur bands many years ago.

Read more at..

http://www.observations.me.uk/Satgen/sgen268.txt

476. Cutesat 1.7 info.

Yahoo group: eu-amsat
Date: 2006-02-23 13:40:29 UTC
From: Allan Copland
Topic: 476 Message: 476

Hi Folks.

For anyone who gets excited about such things, there is some info on the amateur radio part of CUTE1.7's payload at...

http://lss.mes.titech.ac.jp/ssp/cute1.7/amateur_service_e.html

Lets see if we can get to 40 reports Worldwide, of this 'exciting' new bird.

73 Al.
GM1SXX

477. AO-7 mode-B.

Yahoo group: eu-amsat
Date: 2006-03-02 11:14:30 UTC
From: john hackett
Topic: 477 Message: 477

Hi all.

AO-7 Status report.

The 1st of March 2006.

26 stations from 12 countries logged onto the AO-7
Resource Page log while the satellite was in mode-B.

73 John. <la2qaa@...>

478. Space Technology Education Conference 2006

Yahoo group: eu-amsat
Date: 2006-03-16 08:21:45 UTC
From: Trevor
Topic: 478 Message: 478

Space Technology Education Conference 2006, see

http://www.southgatearc.org/news/march2006/space_technology_conference.htm

73 Trevor M5AKA

Daily Amateur Radio RSS News Service: http://www.southgatearc.org/
Add News Service to your Website: http://www.southgatearc.org/rss/index.htm
Add News Service to your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News Items: http://www.southgatearc.org/news/your_news.htm
---

_____
Yahoo! Photos ? NEW, now offering a quality print service from just 8p a photo
http://uk.photos.yahoo.com

479. An Observation.

Yahoo group: eu-amsat
Date: 2006-03-16 19:22:34 UTC
From: john hackett
Topic: 479 Message: 479

An Observation from Norway.

2m and 70cm knife-edge propagation is a well known phenomenon for those that live in mountainous areas.

Theoretically, from my QTH on Frei Island I shouldn't be able to work North America on a low earth orbit satellite due to the proximity of the extreemly high mountains from N.N.W. of my antenna array to S.S.E. and since antipodal propagation is not as common this far north as it is nearer the equator the chances of satellite DX on a LEO are minimal ... though almost permanent auroral propagation makes life interesting via satellite ... remember, the signal traverses the ionoshere twice!.

That being said, by careful monitoring of a tracking program it is possible to find an AO-7 orbit where knife-edged propagation could be used to "sneak" around the edge of the mountains.

Bearing in mind an average 2 x 6 array has less than the more common 3dB half power point the "aiming" has to be fairly accurate. For the newcomer this means that only half of the uplink power will actually manage to scrape around the mountain ... (reflection and refraction also has to be taken into account, likewise eventual ground gain) ... therefore, there are a lot of variable to contend with ... not least the idiosyncracies of the ionosphere as well as the polarisation of the signal.

However, being an AO-7 afficiondo I've been trying for quite some time to defeat these mountains and get into the States while working AO-7.

Imagine my surprise therefore when after repeated CQ's I finally heard LA2QAA de K8DID.

I used to work the States daily on AO-13 but a relative LEO like AO-7 is a different matter from this particular QTH on Frei Island. JP33WB.

The moral of the story? ... don't give up, give it a try, you never know.

It was well worth the effort.

Good 'un! Ron mate!.

73 John. <la2qaa@...>

480. AO-7 permanent carrier.

Yahoo group: eu-amsat
Date: 2006-03-27 10:05:40 UTC
From: john hackett
Topic: 480 Message: 480

Nice one!,
Congratulations, the gentleman putting the high powered permanent carrier on the CW stations using AO-7. Welll done!, that's the way to do it ... unfortunately it didn't work and the stations were able to complete the QSO.

May I respectfully suggest you increase your power a bit, it also helps if you groan
"AWWWWWWWWWWLLLLLLLLAAAAAAAAAA" on top of the stations using the frequency. That ought to give you pleasure ... (not that it will stop a clean QRP CW signal).

Err, what did you say full duplex meant?, I've forgotten.

73 John.

481. Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-11 19:33:28 UTC
From: Allan Copland
Topic: 481 Message: 481

http://www.observations.biz/Observations_from_Scotland/observations_from_scotland_obfuscation.htm

Am I the only person who thinks that Oscar Numbers have way outlived their original purpose?

73 de Al.
GM1SXX
www.observatiions.biz

482. Re: [eu-amsat] Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-11 20:39:40 UTC
From: Emily Clarke
Topic: 481 Message: 482

Probably....

At 12:33 PM 4/11/2006, Al wrote:
>Am I the only person who thinks that Oscar Numbers have way outlived
>their original purpose?

- Emily

483. Re: Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-12 07:52:05 UTC
From: Allan Copland
Topic: 481 Message: 483

--- In eu-amsat@yahoogroups.com, Emily Clarke <w0eec@...> wrote:
>
>
> Probably....
>
> At 12:33 PM 4/11/2006, Al wrote:
> >Am I the only person who thinks that Oscar Numbers have way
outlived
> >their original purpose?
>
> - Emily
>

Hi Emily, I may indeed be the only person to think that OSCAR numbers have outlived their usefulness, who knows, but 'probably' only informs me that you disapprove of my thinking. I would like of course to know what others think.

Like OSCAR numbers, there is no information present in your answer. That very point is what's wrong (IMHO) with the continued use of OSCAR numbers.

Think about it for a minute.

1) OSCAR numbers tell users nothing about the satellite they are using.

2)It is just another layer of pointless information to remember that we don't actually need. Whats wrong with a *single* satellite name?

3)If you think we need OSCAR numbers, why not allocate them before launch. At least there would only be one satellite name for each bird doing the rounds.

4) There is no legal requirement for using OSCAR numbers whatsoever. The IARU will happily co-ordinate frequencies etc for satellites with no OSCAR designation. In fact this is how it normally operates anyway. The Oscar numbers (if they happen) comes later.

5) There have been quite a few amateur satellites with no Oscar designations at all. Did that actually matter? The world did not come crashing down around us because of their lack of an OSCAR designation.

6) Increasingly, 'amateur' satellites are being built with little or no input from AMSAT. University 'me-too' birds carrying a token amateur radio presence (such as downlink only telemetry in the

amateur bands) are threatening to replace AMSAT built birds as the main users in the amateur satellite segments. Giving these birds Oscar designations is IMHO encouraging the rot.

Come on Emily, I'd like to hear your opinion. 'Probably....' does not constitute an opinion. At least, I hope it doesn't :-)

Regards,
Al.
GM1SXX
All of my opinions are mine. Get your own!

484. Re: [eu-amsat] Re: Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-12 17:13:07 UTC
From: Emily Clarke
Topic: 481 Message: 484

Hi Al,

You wrote:
"...but 'probably' only informs me that you disapprove of my thinking. I would like of course to know what others think."

You are making a very big assumption here. I neither approve of your thinking nor disapprove of it - that would be judgmental and wrong since we don't know each other well, and you didn't invite me to make a judgement about your thinking.

The original question you asked was:
"Am I the only person who thinks that OSCAR Numbers have outlived their original purpose?"

I responded by saying "probably" because I believe you might be alone in your thinking. I didn't say "definitely" because in a world of 6.5 billion people there is likelihood someone else thinks like you, though whom I cannot say - I don't know them. I do know people who have spent time thinking about it and generally disagree with you, though there are others who have not formed an opinion and others who may not care.

I considered responding with "possibly" or "very probably", but decided "probably" was closer to what I think is the correct answer.

Regardless of what I think after reading your website, the questions "What did you think of the points I raise on my website?" "or "Have OSCAR Numbers outlived their original purpose?" wasn't the question you asked on the reflector. I would have given a different answer to either of those questions.

If the answer you expected isn't the answer I gave, don't shoot me for responding to the question you asked.

73,

Emily

485. Re: Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-12 18:23:22 UTC
From: Allan Copland
Topic: 481 Message: 485

Hi All,

Only Emily and Luc have thus far bothered to answer the question I posed. A couple of members expressed their opinion off the record. I'd much rather their response was posted here.

I'm sure others will have opinions, but rarely does anyone post their thoughts and ideas here.

Are Emily, Luc and myself the only ones with an opinion about OSCAR numbers? Remember folks, you can even respond with 'I don't have any thoughts on the subject' if you wish... that also constitutes an opinion.

Mak, John and myself set up this group in order that ideas could be freely exchanged, suggestions made and opinions sought.

I have tried in the past to gauge opinions on a number of subjects. Most have only had a response from a few few members, and almost always the same members.

Although this is quite a small group (53 members) it would be good at times to have some feedback from people other than the obvious ones (they know who they are). Their input is appreciated, but what about everyone else in the group? Do you not have opinions or ideas to share?

73 Al.
GM1SXX

486. Re: [eu-amsat] Re: Oscar Numbers... do we really need them?

Yahoo group: eu-amsat
Date: 2006-04-13 04:47:10 UTC
From: SV1BSX
Topic: 481 Message: 486

Alan wrote:
>
> Only Emily and Luc have thus far bothered to answer the question I
> posed. A couple of members expressed their opinion off the record.
> I'd much rather their response was posted here.
>
> I'm sure others will have opinions, but rarely does anyone post their
> thoughts and ideas here.
>
> Are Emily, Luc and myself the only ones with an opinion about OSCAR
> numbers? Remember folks, you can even respond with 'I don't have any
> thoughts on the subject' if you wish... that also constitutes an opinion.
>
> Mak, John and myself set up this group in order that ideas could be
> freely exchanged, suggestions made and opinions sought.
>
> I have tried in the past to gauge opinions on a number of subjects.
> Most have only had a response from a few few members, and almost
> always the same members.
>
> Although this is quite a small group (53 members) it would be good at
> times to have some feedback from people other than the obvious ones
> (they know who they are). Their input is appreciated, but what about
> everyone else in the group? Do you not have opinions or ideas to share?
>
> 73 Al.
> GM1SXX
>

Al,
you have absolutely right, but that you above mentioned is not a
"phenomenon"
only into Eu-Amsat. Few days ago I posted a message with some kind of
"trap".
The "trap" was a page with a "hidden" counter. By checking later the
counter in order to count the visitor's number, I completely surprised with
low-response of ... Amsat-BB members (yes, was there my test !), which is a
very large reflector compared with Eu-amsat reflector.
Only... 17 members of Amsat-BB visited my "trap-page"!

So, don't worry just about Eu-Amsat.... but you must worry about all
peoples, WorldWide... probably this phenomenon is a "hard-work-result" of
World's leaders, in order to make the peoples much more insensible,
laodicean, cold... in order to do not have personal opinions any longer.

Is very sad that I say dr Al, but probably, the hard work of Wold's leaders has success.
Peoples watching more TV, working much-much more but.... talking less, thinking much less, so the "personal opinion" is almost eliminated.

Just a different point of view.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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487. AO-7 News.

Yahoo group: eu-amsat
Date: 2006-04-14 17:48:09 UTC
From: John Alan Hackett.
Topic: 361 Message: 487

OBSERVATIONS FROM NORWAY. (April 2006).

PASSIVE REFLECTORS.

Residing on an Island with a large mountain in front of my beak ... (nose!, to you) ... while operating AO-7 and pointing the array towards America I have no other option than to use knife-edge propagation which works whenever the propagation decides to play ball. After having had some success with this mode I decided to go one step further.

It's a well documented fact that at 145Mhz mountains can be used as passive reflectors so the last surviving LA2QAA braincell decided that "logically" a 432Mhz signal would reflect a lot easier than one at 145Mhz so I decided to put the theory to the test.

On the next AO-7 pass I pointed the array at the *LARGE* mountain here on the Island with 25 degrees of elevation with the satellite at 90 degrees (in azimuth) from the mountain.

Lo' and behold!, there was PH7PCF *BOOMING* in ... but could he hear me?. PH7PCF de LA2QAA QRK k?.
The LA2QAA de PH7PCF "hello John" answered that question.

Dimensions of the LA2QAA passive reflector are 1200m wide x 865m high. All I need to do now is figure out how to elevate my reflector ... and if you think that's an unusual thought picture PH7PCF with his full size Dutch windmill "elevation rotor".

SUN PANELS.

GM1SXX and myself have been investigating the anomolies found on AO-7 since it's return to "this life". These include natural and seasonal propagation anomolies as well as the possibility of being *ZAPPED* by the BMEWS (Ballistic Missile Early Warning System) radars in the northern hemisphere.
(Yes, we were quite B'mused by this).

However, Al has come up with another possibility. He's been using sun panels to power his station for "yonks" (Yonks = Manchester vernacular for "years"). He'd noticed that the power output had been gradually dropping of late.

So ... armed with a few pieces of technical equipment ... (a wet rag and some Fairy Liquid) ... he went to investigate. A quick wipe with the wet rag and full power was restored to the solar power system. Now ... imagine how much spacedust must have collected on the solar panels

of AO-7 in 32 years!. Logically it must! have some effect on AO-7's solar array even when out of eclipse.

To the best of my knowledge model T Ford type windscreen wipers were *NOT* part of the installation on the sun panels.

73 John. <la2qaa@...>

488. Re: [eu-amsat] AO-7 News.

Yahoo group: eu-amsat
Date: 2006-04-14 23:41:26 UTC
From: SV1BSX
Topic: 361 Message: 488

LA2QAA wrote:

> After having had some success with this mode I decided to go one step
> further.
>
> It's a well documented fact that at 145Mhz mountains can be used as
> passive reflectors so the last surviving LA2QAA braincell decided that
> "logically" a 432Mhz signal would reflect a lot easier than one at
> 145Mhz so I decided to put the theory to the test.
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> on the Island with 25 degrees of elevation with the satellite at 90
> degrees (in azimuth) from the mountain.
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> me?. PH7PCF de LA2QAA QRK k?.
> The LA2QAA de PH7PCF "hello John" answered that question.
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> Dimensions of the LA2QAA passive reflector are 1200m wide x 865m high.
> All I need to do now is figure out how to elevate my reflector ... and
> if you think that's an unusual thought picture PH7PCF with his full
> size Dutch windmill "elevation rotor".
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dr John,

I'm glad for your observation! You are confirmed that I had said several
weeks ago on this reflector, but "someone" .... smiled (ironically?) here.
But afterwords smiles comes the teardrops...Now its cry-time ! (revenge is
eaten always cold! ha ha ha !)

About the reflection's similarity between VHF-UHF my experience is that,
sometimes
is similar, but some other times they have absolutely different behavior
these two bands.

I can't say 100% sure, but I have noticed that the dampness WX (not rain)
helps the mountain's reflection on VHF-UHF high enough. Of course, I'm sure
you have there always dampness in contrast with Athens, where the WX is
usually dry.

About elevation, I believe that depend on the mountain's surface, you need
some tests
in order to find the best "angle". Here the mountain that I use has a
surface (mountainside)
with about 45? declination. So, by aiming my antenna direct to mountain with

10-15? elevation is possible to "hit" the satellite from antipode AOS up to overhead pass, without
any movement of my rotators. But, the mountain here is a few Km wide, not like yours (1200m
that you wrote, is it correct?).

Have a nice weekend all.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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489. Re: [eu-amsat] AO-7 News.

Yahoo group: eu-amsat
Date: 2006-04-15 08:15:57 UTC
From: john hackett
Topic: 361 Message: 489

Mak,
You're absolutely right!, I missed a zero off the "width" of the
mountain hi, it should have been 12000 meters (makes a big difference).

Part of the rock face of the mountain is inclined at about 65 degrees and
it's covered with a thick sheet of ice at this time of the year so is just
like a mirror.

A lot depends on the type of rock of course, (I should have mentioned this
in the original article).
Granite (hard rock) is a "reasonable" reflector whereas chalk (porous)
functions more as an attenuator! at UHF/Microwave.

However, I imagine you have a lot more experience than I do of these
phenomena, still, it was my first AO-7 QSO using a "passive reflector".

73 John.

of the mountail

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: "EU-Amsat" <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] AO-7 News.
>Date: Sat, 15 Apr 2006 02:41:26 +0300
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>LA2QAA wrote:
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> > After having had some success with this mode I decided to go one step
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> > on the Island with 25 degrees of elevation with the satellite at 90
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> > The LA2QAA de PH7PCF "hello John" answered that question.
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> > All I need to do now is figure out how to elevate my reflector ... and
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> > if you think that's an unusual thought picture PH7PCF with his full
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> > size Dutch windmill "elevation rotor".
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>But afterwords smiles comes the teardrops...Now its cry-time ! (revenge is
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>these two bands.
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>you have there always dampness in contrast with Athens, where the WX is
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>usually dry.
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> About elevation, I believe that depend on the mountain's surface, you
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>in order to find the best "angle". Here the mountain that I use has a
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>10-15? elevation is possible to "hit" the satellite from antipode AOS up to
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>overhead pass, without
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>any movement of my rotators. But, the mountain here is a few Km wide, not
>
>like yours (1200m
>
>that you wrote, is it correct?).
>
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>
>Have a nice weekend all.
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>
>73, Mak SV1BSX
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>sv1bsx@...
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>http://www.qsl.net/sv1bsx

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> Visit your group "eu-amsat" on the web.
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> To unsubscribe from this group, send an email to:
>eu-amsat-unsubscribe@yahoogroups.com
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> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
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490. tnc setup

Yahoo group: eu-amsat
Date: 2006-04-17 22:25:46 UTC
From: nader omer
Topic: 490 Message: 490

hello all
i need some hints about sitting the sprint2 tnc for ao-51 and go-32
i tried the setup in the manual for satellite but i got zero signal
73 and tnx in advance
st2nh - hz1nh

eu-amsat@yahoogroups.com wrote:
There are 3 messages in this issue.

Topics in this digest:

1. AO-7 News.
From: "John Alan Hackett." la2qaa@...
2. Re: AO-7 News.
From: "SV1BSX" sv1bsx@...
3. Re: AO-7 News.
From: "john hackett" la2qaa@...

Message 1
From: "John Alan Hackett." la2qaa@...
Date: Fri Apr 14, 2006 10:50am(PDT)
Subject: AO-7 News.

OBSERVATIONS FROM NORWAY. (April 2006).

PASSIVE REFLECTORS.

Residing on an Island with a large mountain in front of my beak ...
(nose!, to you) ... while operating AO-7 and pointing the array
towards America I have no other option than to use knife-edge
propagation which works whenever the propagation decides to play ball.
After having had some success with this mode I decided to go one step
further.

It's a well documented fact that at 145Mhz mountains can be used as
passive reflectors so the last surviving LA2QAA braincell decided that
"logically" a 432Mhz signal would reflect a lot easier than one at
145Mhz so I decided to put the theory to the test.

On the next AO-7 pass I pointed the array at the *LARGE* mountain here
on the Island with 25 degrees of elevation with the satellite at 90
degrees (in azimuth) from the mountain.

Lo' and behold!, there was PH7PCF *BOOMING* in ... but could he hear
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SUN PANELS.

GM1SXX and myself have been investigating the anomolies found on AO-7 since it's return to "this life". These include natural and seasonal propagation anomolies as well as the possibility of being *ZAPPED* by the BMEWS (Ballistic Missile Early Warning System) radars in the northern hemisphere.
(Yes, we were quite B'mused by this).

However, Al has come up with another possibility. He's been using sun panels to power his station for "yonks" (Yonks = Manchester vernacular for "years"). He'd noticed that the power output had been gradually dropping of late.

So ... armed with a few pieces of technical equipment ... (a wet rag and some Fairy Liquid) ... he went to investigate. A quick wipe with the wet rag and full power was restored to the solar power system. Now ... imagine how much spacedust must have collected on the solar panels of AO-7 in 32 years!. Logically it must! have some effect on AO-7's solar array even when out of eclipse.

To the best of my knowledge model T Ford type windscreen wipers were *NOT* part of the installation on the sun panels.

73 John.

Message 2
From: "SV1BSX" sv1bsx@...
Date: Fri Apr 14, 2006 4:41pm(PDT)
Subject: Re: AO-7 News.

LA2QAA wrote:

> After having had some success with this mode I decided to go one step
> further.
>
> It's a well documented fact that at 145Mhz mountains can be used as
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dr John,

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About the reflection's similarity between VHF-UHF my experience is that, sometimes
is similar, but some other times they have absolutely different behavior these two bands.

I can't say 100% sure, but I have noticed that the dampness WX (not rain) helps the mountain's reflection on VHF-UHF high enough. Of course, I'm sure you have there always dampness in contrast with Athens, where the WX is usually dry.

About elevation, I believe that depend on the mountain's surface, you need some tests
in order to find the best "angle". Here the mountain that I use has a surface (mountainside)
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any movement of my rotators. But, the mountain here is a few Km wide, not like yours (1200m
that you wrote, is it correct?).

Have a nice weekend all.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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http://mail.yahoo.gr

Message 3
From: "john hackett" la2qaa@...
Date: Sat Apr 15, 2006 1:16am(PDT)
Subject: Re: AO-7 News.

Mak,
You're absolutely right!, I missed a zero off the "width" of the
mountain hi, it should have been 12000 meters (makes a big difference).

Part of the rock face of the mountain is inclined at about 65 degrees and
it's covered with a thick sheet of ice at this time of the year so is just
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A lot depends on the type of rock of course, (I should have mentioned this
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Granite (hard rock) is a "reasonable" reflector whereas chalk (porous)
functions more as an attenuator! at UHF/Microwave.

However, I imagine you have a lot more experience than I do of these
phenomena, still, it was my first AO-7 QSO using a "passive reflector".

73 John.

of the mountail

>From: "SV1BSX"
>Reply-To: eu-amsat@yahoogroups.com
>To: "EU-Amsat"
>Subject: Re: [eu-amsat] AO-7 News.
>Date: Sat, 15 Apr 2006 02:41:26 +0300
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>73, Mak SV1BSX
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> To unsubscribe from this group, send an email to:
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> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
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Yahoo! Groups Links

Blab-away for as little as 1?/min. Make PC-to-Phone Calls using Yahoo! Messenger with Voice.

491. Re: AO-7 News.

Yahoo group: eu-amsat
Date: 2006-04-18 10:23:05 UTC
From: Allan Copland
Topic: 361 Message: 491

Aye, it did seem like an awfy wee 'mountain' :-)

Al.

--- In eu-amsat@yahoogroups.com, "john hackett" <la2qaa@...> wrote:
>
> Mak,
> You're absolutely right!, I missed a zero off the "width" of
the
> mountain hi, it should have been 12000 meters (makes a big
difference).
>

492. AO-7 in Mode-A

Yahoo group: eu-amsat
Date: 2006-04-24 10:12:36 UTC
From: John Alan Hackett.
Topic: 492 Message: 492

Hi all,
This morning 24.04.06 AO-7 switched back to
mode-A prior to the 43870 orbit.

73 John.

494. Rogue application

Yahoo group: eu-amsat
Date: 2006-04-25 07:18:17 UTC
From: Allan Copland
Topic: 494 Message: 494

Hi Folks.

Please disregard the message from Scanning-Tasman3@.....

Membership was authorised in error.

Allan Copland
GM1SXX

495. AO-7 report.

Yahoo group: eu-amsat
Date: 2006-04-25 09:21:41 UTC
From: john hackett
Topic: 495 Message: 495

This morning on AO-7's orbit 43882 neither the mode-B nor the mode-A transponder was switched on though the mode-B transponder was operational on the previous 43881 orbit.

Yesterday (24.04.06) the the satellite switched from mode-B to mode-A at 0859 UTC but back to mode-B again sometime prior to 13:00 UTC (orbit 43883).

This suggests the timer is operating again BUT BE AWARE THAT THE SELECTED MODE APPEARS TO BE QUITE RANDOM.

73 John. <la2qaa@...>

496. Re: [eu-amsat] Human-buttons

Yahoo group: eu-amsat
Date: 2006-04-25 10:26:13 UTC
From: Thomas Frey
Topic: 496 Message: 496

Scanning-Tasman3@... schrieb:
> This campaign is about Human beings, Democracy, UNHCR, Refugees, The Iraqis, Islam, Kurds, Human rights, Respect, Money, Donations, Angelina Jolie, Pavarotti, Giorgio Armani, Donors, Peace, History, Campaigns and about you if you care about these words.
>
>
Hi All

This is my first reply in this group. Name is Thomas and its posssible, you have heard me over the FM-Sats during the weekends.

Original mail is part of a spamming-campaign! As moderator of an other group I have removed a message with the same title "Human-buttons" and sender/spammer.

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

497. RE: [eu-amsat] Human-buttons

Yahoo group: eu-amsat
Date: 2006-04-25 10:44:10 UTC
From: Allan Copland
Topic: 496 Message: 497

Hi Thomas,

Thanks for the posting and the information.

The originator of the message has been deleted from the group membership and tracked down.
The AMSAT-EU Group is a forum for amateur radio satellite users and enthusiasts.
I did remind him that spamming is an illegal activity (in many countries at least).
The originator has nothing to do with UNHCR except the for sharing the name but with a biz suffix on the URL.

Kind Regards,
Al GM1SXX

Hi All

This is my first reply in this group. Name is Thomas and its posssible,
you have heard me over the FM-Sats during the weekends.

Original mail is part of a spamming-campaign! As moderator of an other
group I have removed a message with the same title "Human-buttons"
and sender/spammer.

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

Yahoo! Groups Links

498. Re: [eu-amsat] Human-buttons

Yahoo group: eu-amsat
Date: 2006-04-25 16:14:52 UTC
From: SV1BSX
Topic: 496 Message: 498

John, Al & Group,

This Group does not accept as members persons without "callsign". That was our primal policy.

However, I think is good to be open in peoples which they have interests about Amateur Satellites (ie SWLs, Electronic Engineers, students), but in this case is not enough an Email like xxxx@... or xxxx@...
which sometimes is "fake", without original personal elements.

So, if somebody wants to be a member without callsing, I believe that we should give the opportunity in someone which is interested for our hobby, if we have some guarantees for his personal elements (like a confirmed personal-phonecall or a true Email-address from a real ISP etc).

EU-AMSAT Group is not a mystical place, definitely.

But on the other hand I don't like to have any involve with policy, promotion, propaganda, racism, religion or any other kind idea's distribution which is far-away from Ham-radio (like the last posted messages).

In this case I will ERASE immediately the member (and his messages).

73, Mak SV1BSX
Owner of EU-AmSat Yahoo Group

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, April 25, 2006 1:44 PM
Subject: RE: [eu-amsat] Human-buttons

> Hi Thomas,
>
> Thanks for the posting and the information.
>
> The originator of the message has been deleted from the group membership and tracked down.
> The AMSAT-EU Group is a forum for amateur radio satellite users and enthusiasts.
> I did remind him that spamming is an illegal activity (in many countries

at least).
> The originator has nothing to do with UNHCR except the for sharing the
name but with a biz suffix on the URL.
>
> Kind Regards,
> Al GM1SXX
>
>
> ---

>
>
> Hi All
>
> This is my first reply in this group. Name is Thomas and its posssible,
> you have heard me over the FM-Sats during the weekends.
>
> Original mail is part of a spamming-campaign! As moderator of an other
> group I have removed a message with the same title "Human-buttons"
> and sender/spammer.
>
>
> 73 de
> Thomas Frey, HB9SKA
> ---
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
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> Yahoo! Groups Links
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> Yahoo! Groups Links
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?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
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http://mail.yahoo.gr

499. AO-7 Mode-A report

Yahoo group: eu-amsat
Date: 2006-04-25 19:01:42 UTC
From: SV1BSX
Topic: 499 Message: 499

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi John & Group,

this evening, AO-7 was on eclipse between 17:41 - 18:05 UTC.

The satellite came from the South and this direction is good enough
for me,

500. RE: [eu-amsat] AO-7 Mode-A report

Yahoo group: eu-amsat
Date: 2006-04-26 07:51:06 UTC
From: john hackett
Topic: 499 Message: 500

Hi Mak,
Thanks for the report (AO-7) ... very useful indeed. Making sense
of the mode switching in the last two days is *NOT* easy hi.

73 John.

501. Space Junk

Yahoo group: eu-amsat
Date: 2006-04-28 07:28:45 UTC
From: Allan Copland
Topic: 501 Message: 501

Hi,

For anyone who gets a thrill out of spacejunk, there is a short movie clip of the old ORLAN space-suit that was ditched overboard from the ISS carrying suitsat available at...

http://www.spaceweather.com/

Regards,

Al.

502. AO-27 is "ON" again

Yahoo group: eu-amsat
Date: 2006-05-01 13:25:59 UTC
From: SV1BSX
Topic: 502 Message: 502

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi all,

AO-27 is active again. Today afternoon during 65670 orbit (13:10 UTC) over
Western-ASIA, I had a good contact with IZ7EVR.
The downlink signal was

503. VO-52???

Yahoo group: eu-amsat
Date: 2006-05-10 03:26:18 UTC
From: AD5VJ Bob
Topic: 503 Message: 503

Hello everyone:

I am new to the list and new to SAT WORK.

Thanks for having this list, I have a million and one questions and will be listening allot.

First one is, I was just using my Kenwood TS-2000 and my new dual band antenna to set up Ham Radio Deluxe for VO-52.

Everything seemed to be ok until I actually got it set up on CW mode and then all of a sudden I heard what I though was extremely
slow drawn out CW.

I am not experienced at all at this but don't see how that could have been VO-52 when it was over EU at the time and I am at EM-12ds
(North Texas). So I guess my first question would be do the birds, as I have learned they are called, share frequencies with one
another?

73 fer nw,
Bob AD5VJ(AAR6VM)
10X# 37210, FP#-1141, SMIRK#-5177
Code may be taking a back seat for now,
but the pioneering spirit that put the code
there in the first place is out front of it all.

504. Re: [eu-amsat] Digest Number 188

Yahoo group: eu-amsat
Date: 2006-05-10 11:50:17 UTC
From: nader omer
Topic: 504 Message: 504

hello Bob and welcome to mechanical birds watcher gang

ok go to amsat web site and get the frequency list of all satellite print it study all sat and keep it near ur radio
watch the footprint of the satellite using nova or any other tracking program just to see the cover between any two locations on earth (nova doing this in a very nice way)
kenwood 2000 is nice radio and to get must of the fun look for x yagi with a/e rotor
hpe to see u soon on one of the future high orbit satellite
yours
Nader Omer
st2nh-hz1nh

eu-amsat@yahoogroups.com wrote:

There is 1 message in this issue.

Topics in this digest:

1. VO-52???
From: "AD5VJ Bob" rtnmi@...

Message 1
From: "AD5VJ Bob" rtnmi@...
Date: Tue May 9, 2006 8:29pm(PDT)
Subject: VO-52???

Hello everyone:

I am new to the list and new to SAT WORK.

Thanks for having this list, I have a million and one questions and will be listening allot.

First one is, I was just using my Kenwood TS-2000 and my new dual band antenna to set up Ham Radio Deluxe for VO-52.

Everything seemed to be ok until I actually got it set up on CW mode and then all of a sudden I heard what I though was extremely
slow drawn out CW.

I am not experienced at all at this but don't see how that could have been VO-52 when it was over EU at the time and I am at EM-12ds
(North Texas). So I guess my first question would be do the birds, as I have learned they are called, share frequencies with one
another?

73 fer nw,
Bob AD5VJ(AAR6VM)
10X# 37210, FP#-1141, SMIRK#-5177
Code may be taking a back seat for now,
but the pioneering spirit that put the code
there in the first place is out front of it all.

Yahoo! Groups Links

Yahoo! Messenger with Voice. PC-to-Phone calls for ridiculously low rates.

505. AO-7's beacon.

Yahoo group: eu-amsat
Date: 2006-05-11 10:09:39 UTC
From: John Alan Hackett.
Topic: 505 Message: 505

For those wondering what the occasional wierd CW sounds in the satellite passband are lately I can assure you it is *not* LA2QAA transmitting in Russian, it's a demented AO-7 beacon spitting out harmonics.

This occurs when the switching system gets it's knickers in a twist. (read: trying to switch between modes A, B and C) due to frequent eclipse periods.

As is (or should be) well known, AO-7 can only operate when it gets enough sunlight and the mode is completely random.

For the above reason please observe QRP operating proceedure.

73 John. <la2qaa@...>

506. RE: [eu-amsat] AO-7's beacon.

Yahoo group: eu-amsat
Date: 2006-05-11 13:33:04 UTC
From: AD5VJ Bob
Topic: 505 Message: 506

Does it sound like verrry slow drawn out code? If so then I have heard it just the other night when AO-52 was over EU.

I was tuned in for AO-52 and heard that in the speakers, as I went to the rig and looked at the plot that HRD had was generating, I
couldn't believe it was AO-52 because of it's location.

So maybe it was what you are talking about?

73 fer nw,
Bob AD5VJ(AAR6VM)

> -----Original Message-----
> From: eu-amsat@yahoogroups.com
> [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Alan Hackett.
> Sent: Thursday, May 11, 2006 5:10 AM
> To: eu-amsat@yahoogroups.com
> Subject: [eu-amsat] AO-7's beacon.
>
> For those wondering what the occasional wierd CW sounds in
> the satellite passband are lately I can assure you it is
> *not* LA2QAA transmitting in Russian, it's a demented AO-7
> beacon spitting out harmonics.
>
> This occurs when the switching system gets it's knickers in a twist.
> (read: trying to switch between modes A, B and C) due to
> frequent eclipse periods.
>
> As is (or should be) well known, AO-7 can only operate when
> it gets enough sunlight and the mode is completely random.
>
> For the above reason please observe QRP operating proceedure.
>
> 73 John. <la2qaa@...>
>
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>
> ---------- Yahoo! Groups Sponsor
> ----------~--> You can search right from your
> browser? It's easy and it's free. See how.
> http://us.click.yahoo.com/_7bhrC/NGxNAA/yQLSAA/ELTolB/TM
> ---
> ------~->

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> Yahoo! Groups Links
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507. RE: [eu-amsat] AO-7's beacon.

Yahoo group: eu-amsat
Date: 2006-05-11 16:49:46 UTC
From: Emily Clarke
Topic: 505 Message: 507

There is speculation that the long-drawn out code beacon is the
codestore system. The memory is probably toast, so if the codestore
system turns on it would send out whatever is in memory, and the
levels are probably just a random number of ones and zeros.

73,

Emily

At 06:33 AM 5/11/2006, AD5VJ Bob wrote:
> Does it sound like verrry slow drawn out code? If so then I have
> heard it just the other night when AO-52 was over EU.
>
>I was tuned in for AO-52 and heard that in the speakers, as I went
>to the rig and looked at the plot that HRD had was generating, I
>couldn't believe it was AO-52 because of it's location.
>
>So maybe it was what you are talking about?
>
> 73 fer nw,
>Bob AD5VJ(AAR6VM)
>
> > -----Original Message-----
> > From: eu-amsat@yahoogroups.com
> > [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Alan Hackett.
> > Sent: Thursday, May 11, 2006 5:10 AM
> > To: eu-amsat@yahoogroups.com
> > Subject: [eu-amsat] AO-7's beacon.
> >
> > For those wondering what the occasional wierd CW sounds in
> > the satellite passband are lately I can assure you it is
> > *not* LA2QAA transmitting in Russian, it's a demented AO-7
> > beacon spitting out harmonics.
> >
> > This occurs when the switching system gets it's knickers in a twist.
> > (read: trying to switch between modes A, B and C) due to
> > frequent eclipse periods.
> >
> > As is (or should be) well known, AO-7 can only operate when
> > it gets enough sunlight and the mode is completely random.
> >
> > For the above reason please observe QRP operating proceedure.
> >
> > 73 John. <la2qaa@...>
> >
> >

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> >
> > ------------------------- Yahoo! Groups Sponsor
> > ----------------------~--> You can search right from your
> > browser? It's easy and it's free. See how.
> >
> <http://us.click.yahoo.com/_7bhrC/NGxNAA/yQLSAA/ELTolB/TM>http://us.click.yahoo.com/_7bh
rC/NGxNAA/yQLSAA/ELTolB/TM
> > ---
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> > Yahoo! Groups Links
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>SPONSORED LINKS
><http://groups.yahoo.com/gads?t=ms&k=Ham+radio&w1=Ham+radio&w2=Craft+hobby&w3=Hobby+and+c
raft+supply&c=3&s=60&.sig=Q3ZWABypJDd5YmYXbzsVzQ>Ham
>radio
><http://groups.yahoo.com/gads?t=ms&k=Craft+hobby&w1=Ham+radio&w2=Craft+hobby&w3=Hobby+and
+craft+supply&c=3&s=60&.sig=ZnXBknyULDAnZKOQwnbT0g>Craft
>hobby
><http://groups.yahoo.com/gads?t=ms&k=Hobby+and+craft+supply&w1=Ham+radio&w2=Craft+hobby&w
3=Hobby+and+craft+supply&c=3&s=60&.sig=fLVuec3_R3javCvFd0735w>Hobby
>and craft supply
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>YAHOO! GROUPS LINKS
>
> * Visit your group
> "<http://groups.yahoo.com/group/eu-amsat>eu-amsat" on the web.
> *
> * To unsubscribe from this group, send an email to:
> *
> <mailto:eu-amsat-unsubscribe@yahoogroups.com?subject=Unsubscribe>eu-amsat-unsubscribe@ya
hoogroups.com
>
> *
> * Your use of Yahoo! Groups is subject to the

> <http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.
>
>
>----------

508. Re: [eu-amsat] VO-52???

Yahoo group: eu-amsat
Date: 2006-05-11 17:08:48 UTC
From: SV1BSX
Topic: 503 Message: 508

Hi Bob and welcome to the "Club",

QSOs through Satellites need some knowledge about these birds
(bird=satellite).
It is not enough just a "tuning" of your radio onto VO-52 frequency.

First, it's necessary to learn how the satellites are moving around Earth
planet. As Nader
wrote you before, you need a program in order to have the
necessary
prediction about satellite's orbit.

Unfortunately for you (and .... Europeans!) it is not possible to
speak from Texas
to Europe by using the VO-52, because this bird is very
close to Earth (about 650 Km),
so the footprint of it onto Earth surface is very small.

Nowadays we have just a few LEO satellites in use, like VO-52, FO-29 & AO-7
for SSB operation, so at the present time
is difficult the overseas QSOs. Occasionally, if a bird is above Atlantic
ocean, only then
is possible a QSO between Canada - US Eastern States and Western Europe,
nothing more.
But, you have the opportunity to speak with all US-states, South America,
Canada etc.

The next year we will have in orbit the new HEO satellite P3Express. Via
this satellite we might speak, without the
limitation of LEO sats.

Hope that helps you for now. If you have any additional questions, pse let
me know.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

> Hello everyone:
>
> I am new to the list and new to SAT WORK.
>
> Thanks for having this list, I have a million and one questions and will

be listening allot.
>
> First one is, I was just using my Kenwood TS-2000 and my new dual band antenna to set up Ham Radio Deluxe for VO-52.
>

> Everything seemed to be ok until I actually got it set up on CW mode and then all of a sudden I heard what I though was extremely
> slow drawn out CW.
>
> I am not experienced at all at this but don't see how that could have been VO-52 when it was over EU at the time and I am at EM-12ds
> (North Texas). So I guess my first question would be do the birds, as I have learned they are called, share frequencies with one > another?
>
> 73 fer nw,
> Bob AD5VJ(AAR6VM)

.

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?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

509. Re: [eu-amsat] VO-52???

Yahoo group: eu-amsat
Date: 2006-05-11 17:12:26 UTC
From: SV1BSX
Topic: 503 Message: 509

Hi Bob and welcome to the "Club",

QSOs through Satellites need some knowledge about these birds
(bird=satellite).
It is not enough just a "tuning" of your radio onto VO-52 frequency.

First, it's necessary to learn how the satellites are moving around Earth
planet. As Nader
wrote you before, you need a program in order to have the
necessary
prediction about satellite's orbit.

Unfortunately for you (and .... Europeans!) it is not possible to
speak from Texas
to Europe by using the VO-52, because this bird is very
close to Earth (about 650 Km),
so the footprint of it onto Earth surface is very small.

Nowadays we have just a few LEO satellites in use, like VO-52, FO-29 & AO-7
for SSB operation, so at the present time
is difficult the overseas QSOs. Occasionally, if a bird is above Atlantic
ocean, only then
is possible a QSO between Canada - US Eastern States and Western Europe,
nothing more.
But, you have the opportunity to speak with all US-states, South America,
Canada etc.

The next year we will have in orbit the new HEO satellite P3Express. Via
this satellite we might speak, without the
limitation of LEO sats.

Hope that helps you for now. If you have any additional questions, pse let
me know.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

> Hello everyone:
>
> I am new to the list and new to SAT WORK.
>
> Thanks for having this list, I have a million and one questions and will

be listening allot.
>
> First one is, I was just using my Kenwood TS-2000 and my new dual band antenna to set up Ham Radio Deluxe for VO-52.
>

> Everything seemed to be ok until I actually got it set up on CW mode and then all of a sudden I heard what I though was extremely
> slow drawn out CW.
>
> I am not experienced at all at this but don't see how that could have been VO-52 when it was over EU at the time and I am at EM-12ds
> (North Texas). So I guess my first question would be do the birds, as I have learned they are called, share frequencies with one > another?
>
> 73 fer nw,
> Bob AD5VJ(AAR6VM)

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?????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

510. RE: [eu-amsat] VO-52???

Yahoo group: eu-amsat
Date: 2006-05-11 17:43:43 UTC
From: AD5VJ Bob
Topic: 503 Message: 510

This is wonderful information. Thank you so much for this and I will take it all to heart.

I am hoping to learn as much as possible about the birds, now that it is finally an option for me with my new TS-2000 radio.

It is really a lot of fun already just watching the Ham Radio Deluxe program plot them and watch them go around as they do.

The numbers are meaning a little more to me now and I am slowly figuring out how to use them to better assist me in when I have an
opportunity to work one.

I am curious, however, about the modes and which ones are easier to work than others.

I have only 100W output and a 5/8 wave vertical at this point and of course want to maximize my opportunities to work something.

Is any mode or bird any easier than any other that maybe I should target right now?

73 fer nw,
Bob AD5VJ(AAR6VM)
Visit My Ham Blog
http://www.ad5vj.com/

10X# 37210, FP#-1141, SMIRK#-5177
Code may be taking a back seat for now,
but the pioneering spirit that put the code
there in the first place is out front of it all.

> -----Original Message-----
> From: eu-amsat@yahoogroups.com
> [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
> Sent: Thursday, May 11, 2006 12:12 PM
> To: EU-Amsat
> Subject: Re: [eu-amsat] VO-52???
>
> Hi Bob and welcome to the "Club",
>
>
> QSOs through Satellites need some knowledge about these
> birds (bird=satellite).
> It is not enough just a "tuning" of your radio onto VO-52
> frequency.
>
> First, it's necessary to learn how the satellites are moving
> around Earth planet. As Nader wrote you before, you need a
> program in order to have the necessary prediction about

> satellite's orbit.
>
> Unfortunately for you (and .... Europeans!) it is not
> possible to speak from Texas to Europe by using the VO-52,
> because this bird is very close to Earth (about 650 Km), so
> the footprint of it onto Earth surface is very small.
>
> Nowadays we have just a few LEO satellites in use, like
> VO-52, FO-29 & AO-7 for SSB operation, so at the present
> time is difficult the overseas QSOs. Occasionally, if a bird
> is above Atlantic ocean, only then is possible a QSO between
> Canada - US Eastern States and Western Europe, nothing more.
> But, you have the opportunity to speak with all US-states,
> South America, Canada etc.
>
> The next year we will have in orbit the new HEO satellite
> P3Express. Via this satellite we might speak, without the
> limitation of LEO sats.
>
> Hope that helps you for now. If you have any additional
> questions, pse let me know.
>
> 73, Mak SV1BSX
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>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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>
> > Hello everyone:
> >
> > I am new to the list and new to SAT WORK.
> >
> > Thanks for having this list, I have a million and one questions and
> > will
> be listening allot.
> >
> > First one is, I was just using my Kenwood TS-2000 and my
> new dual band
> antenna to set up Ham Radio Deluxe for VO-52.
> >
>
>
>

> > Everything seemed to be ok until I actually got it set up
> on CW mode
> > and
> then all of a sudden I heard what I though was extremely
> > slow drawn out CW.
> >
> > I am not experienced at all at this but don't see how that
> could have
> > been
> VO-52 when it was over EU at the time and I am at EM-12ds
> > (North Texas). So I guess my first question would be do the
> birds, as
> > I
> have learned they are called, share frequencies with one > another?
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> > 73 fer nw,
> > Bob AD5VJ(AAR6VM)
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> Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail
> äéáèÝôåé ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí
> ìçíõìÜôùí
> http://mail.yahoo.gr
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>
> ------------------------- Yahoo! Groups Sponsor
> ----------------------~--> Get to your groups with one click.
> Know instantly when new email arrives
> http://us.click.yahoo.com/.7bhrC/MGxNAA/yQLSAA/ELTolB/TM
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> Yahoo! Groups Links
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511. Re: [eu-amsat] VO-52???

Yahoo group: eu-amsat
Date: 2006-05-12 00:02:24 UTC
From: SV1BSX
Topic: 503 Message: 511

Bob,

I'm an "old-fashion" Sat-operator, so I can't help you about modern methods
& equipments
on Satellites, like HRD (Ham Radio Deluxe) program and TS-2000.

>I am hoping to learn as much as possible about the birds,
>now that it is finally an option for
>me with my new TS-2000 radio.
>
>I am curious, however, about the modes and
>which ones are easier to work than others.

The usual Sat-modes on current satellites are "Mode-B" & "Mode-J".
"Mode-B" means your transmission (Uplink) is on UHF and
your receiving (DownLink) on VHF.
The "Mode-J" is just the opposite.

>I have only 100W output and a 5/8 wave vertical
>at this point and of course want to maximize
>my opportunities to work something.

It's quite difficult to work Satellites by using this simple antenna on both
Bands.

>Is any mode or bird any easier than any other
>that maybe I should target right now?

Even I don't like too much the FM-birds, however for your begining I will
suggest
you the AO-51. This week working with HI-power on Downlink, so you have
a great opportunity to listen it strong enough with your simple antenna.

AO-51 is an FM LEO-Satellite. That means the bird can be used
only by one user on uplink which speaks with some other user on downlink,
in other words it works like a repeater on the sky.

Firstly, look at in the prediction program for the next orbit of AO-51 over
(or near)
to your location. When the satellite is "in range", look for a carrier
around
435.300 MHZ (FM Narrow). When the Satellite rising (AOS = Acquisition Of
Signal) & comes to you, the frequency is
slighty higher begining from 435.310 (+10 KHZ maximum, due to Doppler
effect).

When the satellite is approaching to you, the frequency decreasing and is equal
to Satellite's normal frequency (=435.300) EXACTLY the moment which is known as
TCA (Time Closest Approach).
After this time, the satellite will draw away from your location, so now the frequency will
decreasing (435.299, 435.298 upto -10 KHZ from 435.300) till the LOS (Loss Of Signal).
That is very important to keep in your mind, in order to "follow" the drift of satellite's frequency due to Doppler effect.

So dr Bob, just let's try it... if you can hear it good enough the Downlink of AO-51,
may be is possible to transmit in order to have a QSO through this bird.

But firstly, just try to listen the bird. That is very important.
Only if you can listen the bird clear enough, you can try to
speak through the bird. NEVER the opposite.

In other words, DON'T SHOOT the bird if you CAN NOT HEAR the bird's flit !
That's the "1st law" of a good "hunter" !

73, Mak SV1BSX

PS: John LA2QAA & Al GM1SXX, they have written a good handbook for
Satellite's rookies named "Satellites for Dogs". May be is usefull to read
it. Ask John & Al for more details.

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

_____
????????????? Yahoo!;
????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

512. Re: AO-7's beacon.

Yahoo group: eu-amsat
Date: 2006-05-12 08:16:01 UTC
From: Allan Copland
Topic: 505 Message: 512

Hi Folks.

--- In eu-amsat@yahoogroups.com, Emily Clarke <w0eec@...> wrote:
>
>
> There is speculation that the long-drawn out code beacon is the
> codestore system. The memory is probably toast, so if the
codestore
> system turns on it would send out whatever is in memory, and the
> levels are probably just a random number of ones and zeros.
>

Well, lets consider for a moment some of the other systems aboard AO7
before we dismiss the Codestore memory as 'toast'.

The Telemetry system works when fed adequate power. At least, it did
the last time I copied data from it. When it was sending data blocks
ending in 649,650 or 651, the data made sense and data from the
previously known good channels was fairly nominal when decoded.
This fact in itelf was a great surprise to both LA2QAA and myself.
Apart from the U/S battery, the bird appeared to be fairly healthy.
Of course the TLM system does not measure every parameter but what
data we could collect was meaningful.

Please bear in mind that a very few channels were already suspect at
launch time. I took that fact into account when assessing the
telemetry data and disregarded the few known bad channels.

The mode switching timer works. This was studied by LA2QAA recently
in some detail while the bird was in full solar illumination. The
timing was not as exact as we expected but Jan and Karl used an R/C
timer and not a crystal one as some of us thought. This point was
clarified to me by Jan himself. Validation of measured data is a
good way to prove things. The timer did not behave exactly as we
expected. Now we KNOW why. Jan's explanation fits the measured data.

Now for CODESTORE.
CODESTORE is built of discrete components, not off the shelf memory
chips as with most other birds. Please remember that AO7 is a very
old bird built at a time when many comuters used mag-core memories.
Most memory chips are built of gates and flip-flops integrated on a
single chip. AO7's memory was not of this type but was built from
many individual IC's.

So, is CODESTORE toast?

Well, since the CODESTORE is *not* constructed using modern (fragile) DRAM chips, why would we expect it to fail any more than say the telemetry system or mode switching timers which obviously do work?

Electrical power is the limiting factor in Oscar7. Without adequate power to run the onboard systems, it is not possible to test Emily's theory that the memory is toast.
On a few occasions, AO7 has had enough power to do some meaningful experiments such as those studies made of the mode switching timer made by LA2QAA or to decode telemetry when the system was sending telemetry that made sense on most of the channels that were proviously known to be working.

I do agree that Codestore probably transmits rubbish when it sends anything but that in itself does not indicate failure of the chips. The memory is volatile so loss of power means loss of contents and loss of power is something that happens routinely with AO7.

It's easy to jump to conclusions but much more difficult to make a meaningful assessment of the true situation. For that you need facts.

On a personal level, I might believe CODESTORE is faulty when someone provides the proof. The first generation CMOS chips have proven to be very tough indeed when applied in space applications.
AO7 is good proof of that.

73 Al.
GM1SXX

513. CMOS with breakfast.

Yahoo group: eu-amsat
Date: 2006-05-13 08:25:49 UTC
From: Allan Copland
Topic: 505 Message: 513

Hi folks.

For anyone interested in the Codestore system on AMSAT Oscar 7,
I can confirm that it is indeed built from individual CMOS parts
from the very early CD40XX-AD series of chips. (Data source.. Jan King)

While these chips may not be quite as radiation tolerant as the CMOS
used in some other parts of the spacecraft, They will be more robust
than the chips used in more recent craft.

Jan Reckons that CODESTORE has a meagre 180 bits of memory onboard
and the system was constructed from a stack of individual PCB's
carrying discrete IC's making up the memory... basically shift registers.

If CODESTORE is indeed sending 'rubbish' it would be a worthwhile
experiment to try to access it while the bird is in good illumination.

Far from being 'toast', this could be an excellent experiment for
those with good CW skills. The chance of success will depend on the
power available to run CODESTORE and the state of the system itself.

Since AO7 has no batteries, there is no scope to cause problems with
the bird when attempting such an experiment.

Remember that CODESTORE will start up on each illuminated pass with
nothing meaningful in the buffer. Thats to be expected. (Read
gibberish).

If it could be proved that CODESTORE does actually function (as does
much of the remainder of the craft undergood conditions), it would be
very useful information indeed.

Innovate....don't speculate!

73 de Al.
GM1SXX

514. Re: [eu-amsat] Re: AO-7's beacon.

Yahoo group: eu-amsat
Date: 2006-05-14 17:12:42 UTC
From: Emil Johan Rognskaug
Topic: 505 Message: 514

```
----- Original Message -----
From: "Allan Copland" <acopland@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, May 12, 2006 10:16 AM
Subject: [eu-amsat] Re: AO-7's beacon.

> Hi Folks.
>
> --- In eu-amsat@yahoogroups.com, Emily Clarke <w0eec@...> wrote:
>>
>>
>> There is speculation that the long-drawn out code beacon is the
>> codestore system. The memory is probably toast, so if the
> codestore
>> system turns on it would send out whatever is in memory, and the
>> levels are probably just a random number of ones and zeros.
>>
>
> Well, lets consider for a moment some of the other systems aboard AO7
> before we dismiss the Codestore memory as 'toast'.
>
> The Telemetry system works when fed adequate power. At least, it did
> the last time I copied data from it. When it was sending data blocks
> ending in 649,650 or 651, the data made sense and data from the
> previously known good channels was fairly nominal when decoded.
> This fact in itelf was a great surprise to both LA2QAA and myself.
> Apart from the U/S battery, the bird appeared to be fairly healthy.
> Of course the TLM system does not measure every parameter but what
> data we could collect was meaningful.
>
> Please bear in mind that a very few channels were already suspect at
> launch time. I took that fact into account when assessing the
> telemetry data and disregarded the few known bad channels.
>
> The mode switching timer works. This was studied by LA2QAA recently
> in some detail while the bird was in full solar illumination. The
> timing was not as exact as we expected but Jan and Karl used an R/C
> timer and not a crystal one as some of us thought. This point was
> clarified to me by Jan himself. Validation of measured data is a
> good way to prove things. The timer did not behave exactly as we
> expected. Now we KNOW why. Jan's explanation fits the measured data.
>
> Now for CODESTORE.
> CODESTORE is built of discrete components, not off the shelf memory
> chips as with most other birds. Please remember that AO7 is a very
```

> old bird built at a time when many comuters used mag-core memories.
> Most memory chips are built of gates and flip-flops integrated on a
> single chip. AO7's memory was not of this type but was built from
> many individual IC's.
>
> So, is CODESTORE toast?
>
> Well, since the CODESTORE is *not* constructed using modern (fragile)
> DRAM chips, why would we expect it to fail any more than say the
> telemetry system or mode switching timers which obviously do work?
>
> Electrical power is the limiting factor in Oscar7. Without adequate
> power to run the onboard systems, it is not possible to test Emily's
> theory that the memory is toast.
> On a few occasions, AO7 has had enough power to do some meaningful
> experiments such as those studies made of the mode switching timer
> made by LA2QAA or to decode telemetry when the system was sending
> telemetry that made sense on most of the channels that were
> proviously known to be working.
>
> I do agree that Codestore probably transmits rubbish when it sends
> anything but that in itself does not indicate failure of the chips.
> The memory is volatile so loss of power means loss of contents and
> loss of power is something that happens routinely with AO7.
>
> It's easy to jump to conclusions but much more difficult to make a
> meaningful assessment of the true situation. For that you need facts.
>
> On a personal level, I might believe CODESTORE is faulty when someone
> provides the proof. The first generation CMOS chips have proven to
> be very tough indeed when applied in space applications.
> AO7 is good proof of that.
>
> 73 Al.
> GM1SXX
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> --
> No virus found in this incoming message.
> Checked by AVG Free Edition.
> Version: 7.1.392 / Virus Database: 268.5.6/338 - Release Date: 12.05.2006
>

515. A-O-7 A request for assistance.

Yahoo group: eu-amsat
Date: 2006-05-15 15:00:24 UTC
From: Allan Copland
Topic: 515 Message: 515

Hi Folks,

I don't do this sort of thing very often but I need your help!

If anyone has the means to record the downlink beacon of Oscar7 I'd be exceedingdly grateful for recorded copy of the gibberish that it sends. I need this recording for a project I'm undertaking.

If you record the gibberish from your radio direct to your PC's soundcard as a WAV file and send it to me as an email attachment I'd *very* grateful indeed.

Small snippets are OK but it would be immensely useful to me if a longer sample could be collected, perhaps half of a pass if you are not desperate to transpond through the bird on that particular pass.

Small snippets are acceptable though. Every little helps!

If I can deduce anything useful from said 'gibberish' I'd be happy to give you a 'mention in dispatches'.

I can be reached at allan_gm1sxx@...

Kind Regards & 73,
Allan Copland
GM1SXX

www.observations.biz

516. Re: [eu-amsat] A-O-7 A request for assistance.

Yahoo group: eu-amsat
Date: 2006-05-15 15:32:19 UTC
From: Thomas Frey
Topic: 515 Message: 516

Allan Copland schrieb:
> Hi Folks,
>
> I don't do this sort of thing very often but I need your help!
>
> If anyone has the means to record the downlink beacon of Oscar7 I'd
> be exceedingdly grateful for recorded copy of the gibberish that it
> sends. I need this recording for a project I'm undertaking.
>
>
Hi Allan and forum

I listen every weekend to AO-7 if it is sunlit on 145.972 MHz (+-).
Listening on 10m is not possible while QRM. But I hear the "gibberish"
very rare. My antenna is a X-yagi with fix RHCP. Is this the correct
polarisation or sends AO-7 with LHCP like UO-11 ?

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

517. AO-7 Polarisation.

Yahoo group: eu-amsat
Date: 2006-05-15 18:39:07 UTC
From: john hackett
Topic: 515 Message: 517

Gentlemen,

Here's the polarisation for AO-7 for the northern hemisphere.

2m/10m uplink = LHCP.
2m/10m downlink = Linear.
70cm/2m uplink = RHCP.
70cm/2m downlink = RHCP.

435.1Mhz beacon = LHCP.
2304.1Mhz beacon = RHCP. (This aerial is shielded from the earth in the southern hemisphere).

Naturally, the polarisation sense will be opposite for the southern hemisphere. with the exception of the 2m/10m downlink which will of course still be linear.

73 John. <la2qaa@...>

518. AO-51 over Europe

Yahoo group: eu-amsat
Date: 2006-05-15 19:55:58 UTC
From: SV1BSX
Topic: 518 Message: 518

Hello all,

during the last days, AO-51 is accessible very difficult over Europe. I don't know if that is a random event, but I think it happens after '"switching" in Hi-Power FM-Mode. For example, it was possible to have access on the bird by using 10-20 Watts (usually). The last days that is impossible even with... 100 Watts on Uplink! And I'm talking for RIG's output power, not about ERP!

I wonder if during the last Hi-Power FM-Mode's switching took place any other change, for example in sensitivity of bird's receiver and thus, it is much more assailable on QRM from "non Satellite ground stations". It's really very sad, but under this condition this bird is almost "unusable" over Europe. The worst is that, several QSOs remain usually uncompleted, as it's not possible to exchange with the other-side operator a second MIC (for the report & QRA or the final "QSL-73").

That is not just my personal opinion... yesterday evening I had a conversation on a popular "European Satellite chat-room" with several Europeans satelliters about that and definitely, this event is confirmed by all operators.

Before any anwer on my Email, just think the following:

if the problem is presented on AO-51 over Europe due to heavy QRM, why the SO-50 is not effected during the similar orbits? Also the AO-27 is easily accessible (when is "ON") even without... subtone on Uplink . Just a few thoughts.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

????????????? Yahoo!;

?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

520. Re: A-O-7 A request for assistance.

Yahoo group: eu-amsat
Date: 2006-05-15 21:08:41 UTC
From: Allan Copland
Topic: 515 Message: 520

Hi Thomas.

Thank you for taking the time to answer my request for help.
You said...

> I listen every weekend to AO-7 if it is sunlit on 145.972 MHz (+-).
> Listening on 10m is not possible while QRM. But I hear the "gibberish"
> very rare. My antenna is a X-yagi with fix RHCP. Is this the correct
> polarisation or sends AO-7 with LHCP like UO-11 ?

I am interested in collecting recordings of the audio on the VHF beacon downlink on 145.972Mhz in order that I can do some experiments with it. Short recordings would be acceptable but longer ones lasting perhaps several minutes would allow me to do a more meaningful experiment.

I live in a large town with considerable interference in the 2M band. If you could record some audio as a wav file it would be of some use to me. Even if the gibberish is weak and watery it is still of interest to me for signal analysis.

73 Al.
GM1SXX

521. Re: [eu-amsat] Re: A-O-7 A request for assistance.

Yahoo group: eu-amsat
Date: 2006-05-15 22:29:39 UTC
From: Thomas Frey
Topic: 515 Message: 521

Allan Copland schrieb:
> Hi Thomas.
>
> Thank you for taking the time to answer my request for help.
> You said...
>
>
>> I listen every weekend to AO-7 if it is sunlit on 145.972 MHz (+-).
>> Listening on 10m is not possible while QRM. But I hear the "gibberish"
>> very rare. My antenna is a X-yagi with fix RHCP. Is this the correct
>> polarisation or sends AO-7 with LHCP like UO-11 ?
>>
>
> I am interested in collecting recordings of the audio on the VHF beacon
> downlink on 145.972Mhz in order that I can do some experiments with it.
> Short recordings would be acceptable but longer ones lasting perhaps
> several minutes would allow me to do a more meaningful experiment.
>
> I live in a large town with considerable interference in the 2M band.
> If you could record some audio as a wav file it would be of some use to
> me. Even if the gibberish is weak and watery it is still of interest
> to me for signal analysis.
>
> 73 Al.
> GM1SXX
>

**Mineo Wakita, JE9PEL, made such recordings. Look at his website
http://www.ne.jp/asahi/hamradio/je9pel/ao7cwtlm.htm . Hope this helps.
My mystery is, that I can hear the 2m beacon very rare.
**

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

522. QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-17 00:13:18 UTC
From: Thomas Frey
Topic: 522 Message: 522

Greetings

Does anybody knows the downlink frequency of SNAP-1 ? Its the first nano satellite built by SSTL in Guildford, Surrey. It sends in the S-Band and if I remember me right, between 2400 and about 2420 MHz. Thanks in advance.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

523. RE: [eu-amsat] QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-19 07:08:21 UTC
From: Allan Copland
Topic: 522 Message: 523

Hi Thomas.
No detailed information seems to have been published. perhaps you should contact SSTL directly and ask.
The best reference I've found for you is at
http://aria.seas.wustl.edu/SSC01/papers/6-7.pdf
Even that is not detailed but it does confirm the frequency bands used although not the actual frequencies.

The best advice I can give is to contact SSTL. Enmail should be quickest.

Kind Regards,
Al.
GM1SXX

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com]On Behalf Of Thomas Frey
Sent: 17 June 2006 01:13
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] QRG of SNAP-1 ?

Greetings

Does anybody knows the downlink frequency of SNAP-1 ? Its the first
nano satellite built by SSTL in Guildford, Surrey. It sends in the
S-Band and if I remember me right, between 2400 and about 2420 MHz.
Thanks in advance.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home. <http://home.datacomm.ch/th.frey/> datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

524. Re: [eu-amsat] QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-19 08:45:57 UTC
From: Thomas Frey
Topic: 522 Message: 524

Allan Copland schrieb:
> Hi Thomas.
> No detailed information seems to have been published. perhaps you
> should contact SSTL directly and ask.
> The best reference I've found for you is at
> http://aria.seas.wustl.edu/SSC01/papers/6-7.pdf
> Even that is not detailed but it does confirm the frequency bands used
> although not the actual frequencies.
>
> The best advice I can give is to contact SSTL. Enmail should be quickest.
>
> Kind Regards,
> Al.
> GM1SXX
>
>
>
>
Thanks Al, I've found the info at
http://www.amsat.org/amsat-new/news/viewSearch.php?nID=9115¤tRecord=0&searchType=story&criteria=snap-1&qualifier=AND&timeFrame=during&year=2000&totalNews=4

```
73 de
Thomas Frey, HB9SKA
-----------------------------------------------------------------------

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
```

525. RE: [eu-amsat] QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-19 10:16:41 UTC
From: Allan Copland
Topic: 522 Message: 525

Hi Thomas.

Perhaps it would still be a good idea to confirm with UoS that the bird is still transmitting on that frequency before spending too much time, effort and and money
The AMSAT page is about six years old. Things may have changed since then.

SNAP-1 is a tiny satellite. I saw an engineering model of it at the UoS. Best of luch with your efforts.

Allan Copland
GM1SXX

.
<http://geo.yahoo.com/serv?s=97359714&grpId=12861049&grpspId=1600063108&msgId=524&stime=1150706766>

526. Re: [eu-amsat] QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-19 14:15:11 UTC
From: Thomas Frey
Topic: 522 Message: 526

Allan Copland schrieb:
> Hi Thomas.
>
> Perhaps it would still be a good idea to confirm with UoS that the
> bird is still transmitting on that frequency before spending too much
> time, effort and and money
> The AMSAT page is about six years old. Things may have changed since
> then.
>
> SNAP-1 is a tiny satellite. I saw an engineering model of it at the
> UoS. Best of luch with your efforts.
>
> Allan Copland
> GM1SXX
Hi Allan

It was just a quick idea to listen for it with my SSB SAT-2000 converter,
which is a broadband type, developed for Arsene-OSCAR-24. But 100mW are
to less.

I miss the S-birdies ;-)

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

527. Re: QRG of SNAP-1 ?

Yahoo group: eu-amsat
Date: 2006-06-20 11:37:48 UTC
From: Allan Copland
Topic: 522 Message: 527

Thomas said...

> It was just a quick idea to listen for it with my SSB SAT-2000
converter,
> which is a broadband type, developed for Arsene-OSCAR-24. But 100mW are
> to less.
>
Well Thomas, it may still be possible at 100mw if you use some clever
software like Fast Fourier Transform to pull the signals out of the
noise. Could be a good technical challenge if the bird is still TX'ing.

I guess you could chose the centre of the expected passband and just
look for the dopper shift on any signal present. The dopper at 2.4G;s
in LEO will be substantial.

73 Al.

528. OH0 on Sats

Yahoo group: eu-amsat
Date: 2006-07-11 19:42:14 UTC
From: SV1BSX
Topic: 528 Message: 528

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello to Group,

it s a vacation period for most of peoples but, for those which are
interested it is
on the air a very interesting prefix these days:

529. Polarisation box

Yahoo group: eu-amsat
Date: 2006-07-11 20:51:43 UTC
From: Thomas Frey
Topic: 529 Message: 529

Hello All

I have trouble with one of two phasing cables to my 2m JBeam 5-ele. X-Yagi. From a fleamarket I have a JBeam polarisation box. Now I think about a rewireing of my antenna with inclusion of this polarisation box. The yagi is mounted inhouse, the weather is no problem. The box will be located at the mast, not in the shack, to prevent cable loss and to mount the preamp near the antenna after the box in direction to the shack.

Now my question: Is it possible to switch the box remote-controlled ? Eventually with a step motor or something else ? Otherwise I have to run to the antenna between the QSOs :-) Have you any ideas ?

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

530. Re: [eu-amsat] Polarisation box

Yahoo group: eu-amsat
Date: 2006-07-12 00:14:26 UTC
From: SV1BSX
Topic: 529 Message: 530

Hi Thomas,

always is possible to control any switch from some distance, but for more ideas
we need to know how is constructed your polarity-box. We have not a picture....

Step-motors are good and strong enough, but they need some circuit in order to drive the motor. That is not very easy, sometimes. I prefer the common DC-motors which are very simple-machines in the voltage feeding, they don't need
electronic circuit and just by reversing the DC polarity, easily moving CW or CCW. However they need a mechanical gear, in order to be able to move a rotary-switch because the torque of DC-motors is not very high.

The usual problem with similar units is the "stop" technique of motor. In other words, the motor needs a good system in order to stop the switch at the
right place, not between the contactors but onto the correct contact in every
circle. This problem sometimes is easy, some other times very complex and depending upon the skill of constructor, the switch, the motor etc.

Give us some details about your polarization-box (or a picture). Is it with a
rotary switch or something else?

But in any case, I will tell you that: the most polarization-systems usually are
constructed with "coaxial relays". By using these is very easy to control your antenna polarity from your Shack with very good accuracy.

4 relays are enough to change the polarity on a pair of X-yagis between RHCP, LHCP, HOR & Vertical.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Tuesday, July 11, 2006 11:51 PM
Subject: [eu-amsat] Polarisation box

> Hello All
>
> I have trouble with one of two phasing cables to my 2m JBeam 5-ele.
> X-Yagi. From a fleamarket I have a JBeam polarisation box. Now I think

> about a rewireing of my antenna with inclusion of this polarisation
> box. The yagi is mounted inhouse, the weather is no problem. The box
> will be located at the mast, not in the shack, to prevent cable loss
> and to mount the preamp near the antenna after the box in direction
> to the shack.
>
> Now my question: Is it possible to switch the box remote-controlled ?
> Eventually with a step motor or something else ? Otherwise I have to run
> to the antenna between the QSOs :-) Have you any ideas ?
>
>
>
> Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
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> Yahoo! Groups Links
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????????????? Yahoo!;
?????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

531. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-07-12 00:32:09 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 531

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Satellite Antennas/Circular polarization switchable system.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : X-Yagis for RHCP,LHCP, Hor & Vert polarity

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Satellite%20Antennas/Circular%20polarization%20switchable%20system.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

532. Re: [eu-amsat] Polarisation box

Yahoo group: eu-amsat
Date: 2006-07-12 11:34:37 UTC
From: Thomas Frey
Topic: 529 Message: 532

SV1BSX schrieb:
> Hi Thomas,
>
Hello Mak

> always is possible to control any switch from some distance, but for more
> ideas
> we need to know how is constructed your polarity-box. We have not a
> picture....
>
> Step-motors are good and strong enough, but they need some circuit in
> order to drive the motor. That is not very easy, sometimes.
And this electronic circuits are very expensiv.

> I prefer the
> common DC-motors which are very simple-machines in the voltage feeding, they
> don't need
> electronic circuit and just by reversing the DC polarity, easily moving
> CW or CCW. However they need a mechanical gear, in order to be able to move
> a rotary-switch because the torque of DC-motors is not very high.
>
> The usual problem with similar units is the "stop" technique of motor.
> In other words, the motor needs a good system in order to stop the switch
> at the
> right place, not between the contactors but onto the correct contact in
> every
> circle. This problem sometimes is easy, some other times very complex and
> depending upon the skill of constructor, the switch, the motor etc.
>
This will give me an idea to turn the rotary-switch. But it must be an easy
mechanical solution.

> Give us some details about your polarization-box (or a picture). Is it
> with a
> rotary switch or something else?
>
Yes, its a rotary switch with an axis of 6 mm and knob and cables with the specific
length inside a platic box. The connectors are SO-239 types. The box was developed
from JBeam and/or UKW-Berichte Terry Bittan many many years ago.

> But in any case, I will tell you that: the most polarization-systems usually
> are
> constructed with "coaxial relays". By using these is very easy to control
> your antenna polarity from your Shack with very good accuracy.
>
> 4 relays are enough to change the polarity on a pair of X-yagis between

> RHCP, LHCP, HOR & Vertical.
>
> 73, Mak SV1BSX
>
Thanks also for the PDF.

>
> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
> To: "EU-Amsat" <eu-amsat@yahoogroups.com>
> Sent: Tuesday, July 11, 2006 11:51 PM
> Subject: [eu-amsat] Polarisation box
>
>
>
>> Hello All
>>
>> I have trouble with one of two phasing cables to my 2m JBeam 5-ele.
>> X-Yagi. From a fleamarket I have a JBeam polarisation box. Now I think
>> about a rewireing of my antenna with inclusion of this polarisation
>> box. The yagi is mounted inhouse, the weather is no problem. The box
>> will be located at the mast, not in the shack, to prevent cable loss
>> and to mount the preamp near the antenna after the box in direction
>> to the shack.
>>
>> Now my question: Is it possible to switch the box remote-controlled ?
>> Eventually with a step motor or something else ? Otherwise I have to run
>> to the antenna between the QSOs :-) Have you any ideas ?
>>
>>
>>
>>

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

533. Re: [eu-amsat] Polarisation box

Yahoo group: eu-amsat
Date: 2006-07-12 19:59:29 UTC
From: SV1BSX
Topic: 529 Message: 533

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, July 12, 2006 2:34 PM
Subject: Re: [eu-amsat] Polarisation box

> > Step-motors are good and strong enough, but they need some circuit in
> > order to drive the motor. That is not very easy, sometimes.
> And this electronic circuits are very expensiv.
>

Thomas,

few months ago I found on Internet a simple and cheap circuit for
step-motors driving. It was based on a PIC controller. Of course,
the PIC ICs are simple enough, if you have some experience with
these components, don't forget, in practice it's a small programmable
micro-controller.
If you have not experience, they are not very simple constructions, as they
need
programming by using a programmer circuit (the HEX file is "free" for the
"Step-motor" driver).

If you know what I mean and this circuit is usefull to you,
I will find the URL.

> This will give me an idea to turn the rotary-switch. But it must be an
easy
> mechanical solution.
>
A very easy mechanical-gear is possible to be made, by using a wheel into
your switch's axis
(like these which used In old-radio's variable-capacitors) .
You need also a smaller wheel into motor axis. Thus, if the motor wheel is 1
cm diameter and the wheel on the switch-axis is
10 cm diameter(or larger), the torque of motor increasing spectacular and is
possible to turn
the axis (rotor) of switch. The coupling between these 2 wheels is possible
to be made by using
a string (fishing-line, cord etc).
Another point is the spur of switch. Normally, this spur is strong enough
in order to
"lock" strongly enough the rotor (axis) of switch in the right place,
exactly onto conductors, each time when the switch is rotated between
the "positions". If the mechanical gear is not possible to turn the rotor of
switch (due to

small torque of motor), a good combination is to remit (abate) the power of spur, in order to be able to move the
rotor of switch much-much easier.

Another solution is also a small vernier 1:50 or 1:100, for the coupling between rotary-switch
and motor. These verniers are still available in electronic-shops, on eBay etc.

I hope that helps you.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

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????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

534. Re: [eu-amsat] Polarisation box

Yahoo group: eu-amsat
Date: 2006-07-13 08:48:37 UTC
From: Thomas Frey
Topic: 529 Message: 534

SV1BSX schrieb:
>
>
>> This will give me an idea to turn the rotary-switch. But it must be an
>>
> easy
>
>> mechanical solution.
>>
>>
> A very easy mechanical-gear is possible to be made, by using a wheel into
> your switch's axis
> (like these which used In old-radio's variable-capacitors) .
> You need also a smaller wheel into motor axis. Thus, if the motor wheel is 1
> cm diameter and the wheel on the switch-axis is
> 10 cm diameter(or larger), the torque of motor increasing spectacular and is
> possible to turn
> the axis (rotor) of switch. The coupling between these 2 wheels is possible
> to be made by using
> a string (fishing-line, cord etc).
> Another point is the spur of switch. Normally, this spur is strong enough
> in order to
> "lock" strongly enough the rotor (axis) of switch in the right place,
> exactly onto conductors, each time when the switch is rotated between
> the "positions". If the mechanical gear is not possible to turn the rotor of
> switch (due to
> small torque of motor), a good combination is to remit (abate) the power of
> spur, in order to be able to move the
> rotor of switch much-much easier.
>
> Another solution is also a small vernier 1:50 or 1:100, for the coupling
> between rotary-switch
> and motor. These verniers are still available in electronic-shops, on eBay
> etc.
>
> I hope that helps you.
>
> 73, Mak SV1BSX
>
>
>
Oh yes, thank you. I will look in the model/mockup-builder scene for
such a solution. I'm not a mechanician, but can work with a
screwdriver ;-)

73 de
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

535. Live Demonstration of Reception of Mars Reconnaissance Orbiter

Yahoo group: eu-amsat
Date: 2006-07-15 09:22:38 UTC
From: Trevor
Topic: 535 Message: 535

Live Demonstration of Reception of Mars Reconnaissance Orbiter

In addition to the presentation by Achim Vollhardt DH2VA on the remarkable achievement by Radio Amateurs in Germany in receiving signals from the Voyager 1 at the AMSAT-UK International Space Colloquium we can now announce that the event will also include a live demonstration of DX reception from deep space.

Freddy de Guchteneire, ON6UG, will be receiving signals live from the NASA Mars Reconnaissance Orbiter. This spacecraft was launched last year and only entered Mars orbit in March 2006. By the end of July Mars will be at a distance of approximately 350 million kilometres from earth so we cannot expect the signals to be very strong!

The demonstration is expected to take place on the Saturday of the Colloquium - the exact time will depend upon scheduling and visibility constraints.

The International Space Colloquium takes place from Friday 28th until Sunday 30th July at the University of Surrey, Guildford, England and all Radio Amateurs and SWL?s are welcome to attend. The AMSAT-UK website has the latest draft programme and online booking form and maps

http://www.uk.amsat.org/Colloquium/

For further details contact Jim Heck G3WGM Tel: +44 (0)1258 453959
Email: g3wgm@...

73 Trevor M5AKA

All new Yahoo! Mail "The new Interface is stunning in its simplicity and ease of use." - PC Magazine
http://uk.docs.yahoo.com/nowyoucan.html

536. Satellite chat-room "closed-down" !

Yahoo group: eu-amsat
Date: 2006-08-27 20:11:34 UTC
From: SV1BSX
Topic: 536 Message: 536

Hello to Group,

the summer is close to finish, so I hope you enjoyed the summer-vacations .
I wish your "body-battery" to be full-of-charge now!

Yesterday, unfortunately I noticed a bad-news:
the ON4KST chat-room "closed-down"!

Probably was without users, so the sysop considered that does not exist
raison d'entre of "Satellite chat-room". This way we havn't an Internet
on-line chat-room any longer. I send message to Alain, ON4KST, to
re-activate the chat-room, but I don't know if that will be possible soon or
later.

If not, I wonder if someone on the group has the capability to create
something
similar. The "chat-room" was very useful tool, we had excellent
conversations on it
about sched's, technical themes, observations, experiences about Satellites
and (personally)
it will miss to me. Especially during winter's cold-nights was a good
companion in
order
to be able to talk with several good Satellite-friends from Europe and
rest World.

That's the news. CU on Sats (BTW I'm still without antennas due to
re-building of
my house's roof, but I believe to put back on my roof during September... I
hope!).

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

????????????? Yahoo!;
????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
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http://mail.yahoo.gr

537. Fw: Sat chat

Yahoo group: eu-amsat
Date: 2006-08-27 20:27:57 UTC
From: SV1BSX
Topic: 537 Message: 537

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

...unforunately the ON4KST s Satellite chat-room is closed-down for
ever.
The followinf Email is from Alain, ON4KST !

73, Mak SV1BSX

----- Original

538. Re: [eu-amsat] Fw: Sat chat

Yahoo group: eu-amsat
Date: 2006-08-27 21:58:37 UTC
From: Thomas Frey
Topic: 537 Message: 538

SV1BSX schrieb:
> ...unforunately the ON4KST' s Satellite chat-room is "closed-down" for
> ever.
> The followinf Email is from Alain, ON4KST !
>
> 73, Mak SV1BSX
>
> -
Hi Mak

Has Alain, ON4KST, ever made a posting in this group about his
chatroom ?

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

539. Re: [eu-amsat] Satellite chat-room "closed-down" !

Yahoo group: eu-amsat
Date: 2006-08-27 23:06:15 UTC
From: Zachary Schrempp
Topic: 536 Message: 539

Hello guys,

There is a chat room available on IRC which is used for the Houston AMSAT Net on Wednesdays at 0100 Z. However it is not used very heavily the rest of the week. There is an article about how to use it in the Jan/Feb 2006 AMSAT Journal.

I have the Chatzilla extension installed in my Firefox browser and I issue the following commands to connect to it.

/server irc.dishnuts.net
/join #amsat

There are usually a few people connected to this chat room.

73, Zach KM7I
Washington State, USA

On 8/27/06, SV1BSX <sv1bsx@yahoo.gr> wrote:
> Hello to Group,
>
> the summer is close to finish, so I hope you enjoyed the summer-vacations .
> I wish your "body-battery" to be full-of-charge now!
>
>
>
> Yesterday, unfortunately I noticed a bad-news:
> the ON4KST chat-room "closed-down"!
>
> Probably was without users, so the sysop considered that does not exist
> raison d'entre of "Satellite chat-room". This way we havn't an Internet
> on-line chat-room any longer. I send message to Alain, ON4KST, to
> re-activate the chat-room, but I don't know if that will be possible soon or
> later.
>
> If not, I wonder if someone on the group has the capability to create
> something
> similar. The "chat-room" was very useful tool, we had excellent
> conversations on it
> about sched's, technical themes, observations, experiences about Satellites
> and (personally)
> it will miss to me. Especially during winter's cold-nights was a good
> companion in
> order
> to be able to talk with several good Satellite-friends from Europe and
> rest World.

>
> That's the news. CU on Sats (BTW I'm still without antennas due to
> re-building of
> my house's roof, but I believe to put back on my roof during September... I
> hope!).
>
> 73, Mak SV1BSX
>
>
>
>
> sv1bsx@yahoo.gr
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2005
> Virus Free
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> _____
> Χρησιμοποιείτε Yahoo!;
> Βαρεθήκατε τα ενοχλητικά μηνύματα (spam); Το Yahoo! Mail διαθέτει την καλύτερη δυνατή προστασία κατά των ενοχλητικών μηνυμάτων
> http://mail.yahoo.gr
>
>
>
> Yahoo! Groups Links
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>
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>
>
>

--
Zachary Schrempp, KM7I
Ex KE7EYQ
AMSAT #36023

540. NEW Satellite chat-room

Yahoo group: eu-amsat
Date: 2006-08-31 03:30:54 UTC
From: SV1BSX
Topic: 540 Message: 540

Hello to Group,

after the final but unreasonable (at my opinion) "closed-down" of ON4KST Sat-chatroom,
the last days I was looking for something new.

Well, the Amateur radio community has in use an immiscible "converse-mode", almost without users from the good old days of packet radio.

I made several tests yesterday and it seems to work well. At the present time I found
just 2 Gates from SV-land for access, but may be they exist several others in use WW.

In order to access this CONVerse, visit:

http://www.qsl.net/sv1bsx/sat/satchat.html

On this page you need to type your callsign and the "channel". Now the default channel
it's the 154, but that belongs to Greek chat-room, so please type a newnumber as entry-channel: 29450
(I choose this number from downlink of AO-7 in mode A, but if you have any better idea is
welcome, the available channels are between 2-32767.)

Next step is to push the "LOGIN" button.

After few seconds, it will appear on your screen a chat-mode frame. Unfortunately it is
not very pretty, like ON4KST's frame, but it works !

The strange is that, if you type a message into message-field and then you press ENTER,
the PROMPT disappeared! So, if you want to type your next message, you must to press the
TAB (or to make a "click" with your Mouse into "message-field".).

Keep in mind, if nobody is there, the channel is "close". When the first user makes LOGIN, the
channel will "open" again but, it has lost the "topic" etc. from the previous usage. So it is good
to stay online as much time is possible, every user which has broadband Internet connection.
(I will try to keep the channel alive the next days).

This CONV is accessible also via Radio-Packet network, so if you have a Local packet network

in your area, even at 1200 Bps, you can do it. (I'm using my Packet-radio
9600 for that).

Finally, after your first connection read the HELP of CONVerse. Including
several
interesting commands, like "private chat" between users, /ni [your_name] for
"nickname etc.

I hope you enjoy it.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2005
Virus Free

_____
????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

541. Re: [eu-amsat] NEW Satellite chat-room

Yahoo group: eu-amsat
Date: 2006-09-01 14:20:44 UTC
From: SV1BSX
Topic: 540 Message: 541

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello,

another AMPRnet Gate for new EU-AmSat chat-room from central Europe is:

http://www.hb9ok.org/webconvers/

with 2 choices for LOGIN (Java or PHP).

542. AO-7.

Yahoo group: eu-amsat
Date: 2006-09-07 11:33:28 UTC
From: john hackett
Topic: 372 Message: 542

Worro! folks,
Interesting to note the quadrupling of activity on AO-7 in
2006 compared to 2003 - 2005.

73 John. <la2qaa@...>

543. Beacon of AO-7 heard

Yahoo group: eu-amsat
Date: 2006-09-09 19:31:42 UTC
From: Thomas Frey
Topic: 543 Message: 543

Greetings

I heard the CW-beacon from AO-7, it was full sunlit and on an overhead pass. I made a rocording in a wave file but was a little bit late. Anybody interested for the file ?

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

544. RE: [eu-amsat] Beacon of AO-7 heard

Yahoo group: eu-amsat
Date: 2006-09-09 23:15:03 UTC
From: john hackett
Topic: 543 Message: 544

Hello Thomas,
I'd appreciate a copy of the AO-7 beacon recording,
which day?.

73 John <la2qaa@...>
.....
.....

>I heard the CW-beacon from AO-7, it was full sunlit and on an overhead
>pass. I made a rocording in a wave file but was a little bit late.
>Anybody interested for the file ?

545. AO-7.

Yahoo group: eu-amsat
Date: 2006-10-02 17:41:42 UTC
From: john hackett
Topic: 372 Message: 545

Hello folks,
Interesting to see W7JPI's AO-7 log entry on orbit 45879
where this station claimed to have worked KB2M, K4TB, WB6YTE and WA4III at
16:35 GMT yesterday (01-10-06).

This is particularly interesting because The USA wasn't even in the passband
at that time, the satellite was in fact over Polynesia.

Of course, there are a couple of possibilities, the station concerned might
have entered the wrong data ... or it just might just be someone playing
around.

What is interesting is in fact the amount of stations logged on or worked
yesterday ... confirming that quite a few new stations are appearing on
AO-7.

This is good.

73 John. <la2qaa@...>

546. ... Err!, an observation.

Yahoo group: eu-amsat
Date: 2006-10-05 10:42:49 UTC
From: john hackett
Topic: 546 Message: 546

Hello Folks,
As we all know (or assumed), AO-7's battery system has been down the tube for a couple of decades. However, this morning I got quite a surprise.

I always monitor the old girl before actually *bellowing* into the microphone. As is my want, I was watching both InstantTRACK and NOVA on seperate computers (and before you comment, my keps are! correct and up to date). The satellite came up over Northern Russia at 09:58 UTC on the 45926 orbit and was in complete darkness at that time but just for a laugh I sent a few CQ's on CW (432.150 up 145.941 down) and to my surprise I copied LA2QAA calling CQ - (that's me folks).

Thinks ... "This can't be, the batteries are knackered".

This instigated careful checks of time (Atomtime Pro), keps & doppler - no doubt - (both InstantTRACK and Nova agreed) - AO-7 was in darkness but I was able to copy my downlink at S3. A few minutes later, when the old girl came into sunlight my signal shot up to S8.

Careful checks of my hearing and senility confirmed that both are! functioning correctly.

So ... how come I could hear myself when AO-7 was in darkness?. As can be imagined, I will keep tabs on this tomorrow morning.

Sensible explanations please written on the back of a clean $100 bill wrapped round a wallbrick and chucked through my window - or - an e-mail to <la2qaa@...> at a pinch, will suffice

73 John.

547. Re: [eu-amsat] ... Err!, an observation.

Yahoo group: eu-amsat
Date: 2006-10-05 12:20:10 UTC
From: SV1BSX
Topic: 546 Message: 547

Hi John,

I would like to check again this... on my PC + Nova today morning at 09:58
UTC the
AO-7 was in Sunlight and not in eclipse, but yes, it was over N.Russia.
Also I noticed that, during the same time the orbit is #45920 and not
#45926
as you mentioned.

I wondering.... my "data" is updated with 29/9/2006 2Line Keps-file, my
clock
is OK and I noticed that the AO-7 was on eclipse till 09:38 UTC (orbit
#45919).
At 09:39 UTC was in Sunlight till 11:22 UTC and the starting point of #45920
orbit
was at 09:45 Z.

I checked also that with another Computer and the results are identical.

Sorry for asking but, are you 100% sure about your correct data ? Please
check it again and let me know.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2006
Virus Free

----- Original Message -----
From: "john hackett" <la2qaa@...>
To: <Amsat-bb@...>
Cc: <allan_gm1sxx@...>; <n1did@...>;
<eu-amsat@yahoogroups.com>; <k3szh@...>;
<jking@...>
Sent: Thursday, October 05, 2006 1:42 PM
Subject: [eu-amsat] ... Err!, an observation.

> Hello Folks,
> As we all know (or assumed), AO-7's battery system has been
> down the tube for a couple of decades. However, this morning I got quite a
> surprise.
>
> I always monitor the old girl before actually *bellowing* into the
> microphone. As is my want, I was watching both InstantTRACK and NOVA on
> seperate computers (and before you comment, my keps are! correct and up to

> date). The satellite came up over Northern Russia at 09:58 UTC on the
45926
> orbit and was in complete darkness at that time but just for a laugh I
sent
> a few CQ's on CW (432.150 up 145.941 down) and to my surprise I copied
> LA2QAA calling CQ - (that's me folks).
>
> Thinks ... "This can't be, the batteries are knackered".
>
> This instigated careful checks of time (Atomtime Pro), keps & doppler - no
> doubt - (both InstantTRACK and Nova agreed) - AO-7 was in darkness but I
was
> able to copy my downlink at S3. A few minutes later, when the old girl
came
> into sunlight my signal shot up to S8.
>
> Careful checks of my hearing and senility confirmed that both are!
> functioning correctly.
>
> So ... how come I could hear myself when AO-7 was in darkness?. As can be
> imagined, I will keep tabs on this tomorrow morning.
>
> Sensible explanations please written on the back of a clean $100 bill
> wrapped round a wallbrick and chucked through my window - or - an e-mail
to
> <la2qaa@...> at a pinch, will suffice
>
> 73 John.
>
>
>
>
>
> Yahoo! Groups Links
>
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>

????????????? Yahoo!;
?????????? ?? ?????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

548. Re: [amsat-bb] Re: [eu-amsat] ... Err!, an observation.

Yahoo group: eu-amsat
Date: 2006-10-05 15:35:08 UTC
From: SV1BSX
Topic: 548 Message: 548
Attachments: 1 described; binary payloads are missing from this source WARC

Hi all,

good one Luck, probably here is the John's trap!. However I wonder dr John,
why are you looking for AO-7 activity vis-a-vis to Gray-line on the Earth?

NOVA has into Satellite-tables the "Visual" option. That says clear enough
if the
Satellite is illuminate or not, independently of day light or darkness onto
planet's surface.

My attach picture shows that. As you can see, AO-7 seems to be in darkness,
but
the Visual-option has a different opinion: SUN !

That means the Satellite is not in eclipse, so it's "ON".

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2006
Virus Free

----- Original Message -----
From: "Luc Leblanc VE2DWE" <lucleblanc6@...>
To: <AMSAT-BB@...>
Sent: Thursday, October 05, 2006 4:58 PM
Subject: [amsat-bb] Re: [eu-amsat] ... Err!, an observation.

> On 5 Oct 2006 at 12:42, john hackett wrote:
>
>
> >
> > So ... how come I could hear myself when AO-7 was in darkness?. As can
be
> > imagined, I will keep tabs on this tomorrow morning.
> >
> > Sensible explanations please written on the back of a clean $100 bill
> > wrapped round a wallbrick and chucked through my window - or - an e-mail
to
> > <la2qaa@...> at a pinch, will suffice
> >
> > 73 John.
> >
> >

> >
> >
>
> >
> My explanation
>
> The various tracker show up the GROUND track the point where the satellite
is passing over a point
> on earth at ground level. But if the sat is at 800KM he can be illuminated
by the sun. It is the
> same phenomenon when you see ISS passing over you you are in complete
darkness but you can see the
> sun reflection until iss goes out the solar range illumination point.
>
> I often hear AO-7 when he's in the darken part of my tracker map but at
his elevation he's starting
> to pick up some light and it takes not too much light.
>
> "-"
> The medium is the message...The content is the audience...;)
>
> Luc Leblanc VE2DWE
> WAC basic,CW,Phone,Satellite
> Skype VE2DWE
> www.qsl.net/ve2dwe
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

549. Sudan QRV on SATs !

Yahoo group: eu-amsat
Date: 2006-10-08 07:40:53 UTC
From: SV1BSX
Topic: 549 Message: 549

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello folks,

today morning I heard a QSO on FO-29 between ST2HN, Nader (in KK56GP / Kartoun Sudan) and i8CVS, Domenico. Nader is the same operator of HZ1NH

550. ST2NH QRV on sat

Yahoo group: eu-amsat
Date: 2006-10-08 08:30:13 UTC
From: ka117
Topic: 550 Message: 550

Hi EU-AMSAT
I'm very happy to join your sat group , I have some information from
HZ1NH/ST2NH DR: Nader
He will be QRV on all satellites for the next 3 weeks from his home
QTH Khartoum GL:KK65GP
If you like to call him look for the after noon passes on the AO7 -27 -
51 SO50 VU52 FO-29

He need to Send this info for any amateur In the Europe
73 de 7z1sj

551. Rotator noise

Yahoo group: eu-amsat
Date: 2006-10-15 11:57:26 UTC
From: SV1BSX
Topic: 551 Message: 551

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi folks,

Yesterday I placed a new no name rotator for my Satellite antennas
on my 2nd QTH but unfortunately I noticed a very strong spark-noise during

552. Re: Rotator noise

Yahoo group: eu-amsat
Date: 2006-10-16 12:13:36 UTC
From: ka117
Topic: 551 Message: 552

Hi Mak
I have same DC noise up to s9 from my homemade rotator
I place the antenna from the motor up to 1.5meter and the noises go
I can hear only the relay click and some small noise in full motor
load

73s de 7z1sj

-- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi folks,
>
> Yesterday I placed a new "no name" rotator for my Satellite
antennas
> on my 2nd QTH but unfortunately I noticed a very strong spark-
noise during
> rotation
> (even if I have "ON" the NoiseBlanker).
> This rotator including DC-motor, so It's obvious that the sparks
generated
> from
> motor's carbon-conductors. It has just a capacitor (0.33uF) to
prevent
> that. (BTW the noise is terrible on VHF and my S-meter rising to 9
S,
> on UHF is just audible but annoying on weak signals).
>
> I'm thinking to place an additional filter with caps and some
ferrites
> (VK200 ?)
> close to the motor. The current consumption is about 0.3 A (at 18V
DC)
> during rotation.
>
> If somebody has any experience with this unwanted effect, any
suggestion /
> idea
> is welcome.
>
> 73, Mak SV1BSX
>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>

> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
>
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>
>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
>
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>
> _____
> ×ñçóéìïðïéåßôå Yahoo!;
> Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé
ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> http://mail.yahoo.gr
>

553. chat room

Yahoo group: eu-amsat
Date: 2006-10-16 15:39:00 UTC
From: SV1BSX
Topic: 553 Message: 553

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello,

just I would like to remind you, the CONVerse is active.
I missed to me your fellowship, especially now which a *new one*
(ST2NH) is on the air. I

554. Re: [eu-amsat] Re: Rotator noise

Yahoo group: eu-amsat
Date: 2006-10-16 16:56:03 UTC
From: SV1BSX
Topic: 551 Message: 554

Hello Suli and tks for reply,

My antennas is about 3 m above rotator, so it is not possible to
increasing the distance, but thanks for your suggestion.

Actually I changed the cables arrangement (I had common GND through RG-8)
and now the noise reduced about 70%. The additional filter with VK200
and 0.1 caps (and the winding of cable trough PC-ferrites) did not help.

Now the noise is 1-3 S, it is not perfect but much better than before. I
believe
a cable with grounded outer-shield like RG-cables it will eliminate this
noise.

Suli, I'm looking for Nader. I need the ST-prefix but no lucky the last 2
days.
Is it possible any schedule with him? I'm QRV this week on daylight and
afternoon
passes (FO-29, AO-7, VO-52 mainly, but I can also via AO-51 if the QRM
allows
the contact !)

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LAN eMail-Server: This Email has been checked by NAV 2006
Virus Free

----- Original Message -----
From: ka117
To: eu-amsat@yahoogroups.com
Sent: Monday, October 16, 2006 3:13 PM
Subject: [eu-amsat] Re: Rotator noise

Hi Mak
I have same DC noise up to s9 from my homemade rotator
I place the antenna from the motor up to 1.5meter and the noises go
I can hear only the relay click and some small noise in full motor
load

73s de 7z1sj

-- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi folks,
>

> Yesterday I placed a new "no name" rotator for my Satellite
antennas
> on my 2nd QTH but unfortunately I noticed a very strong spark-
noise during
> rotation
> (even if I have "ON" the NoiseBlanker).
> This rotator including DC-motor, so It's obvious that the sparks
generated
> from
> motor's carbon-conductors. It has just a capacitor (0.33uF) to
prevent
> that. (BTW the noise is terrible on VHF and my S-meter rising to 9
S,
> on UHF is just audible but annoying on weak signals).
>
> I'm thinking to place an additional filter with caps and some
ferrites
> (VK200 ?)
> close to the motor. The current consumption is about 0.3 A (at 18V
DC)
> during rotation.
>
> If somebody has any experience with this unwanted effect, any
suggestion /
> idea
> is welcome.
>
> 73, Mak SV1BSX
>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
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> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
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> _____
> ????????????? Yahoo!;
> ?????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ????????
??? ???????? ?????? ????????? ???? ??? ?????????? ?????????
> http://mail.yahoo.gr
>

Yahoo! Groups Links

_____
????????????? Yahoo!;
?????????? ?? ????????? ???????? (spam); ?? Yahoo! Mail ???????? ??? ???????? ??????
????????? ???? ??? ?????????? ?????????
http://mail.yahoo.gr

555. ST2M

Yahoo group: eu-amsat
Date: 2006-10-16 19:55:45 UTC
From: SV1BSX
Topic: 555 Message: 555

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello folks,

few mins ago I heard on AO-51 the call ST2M calling CQ SAT. Probably it s a special
callsign from Nader, ST2NH, but it was like a zooo! The

556. Re: Rotator noise

Yahoo group: eu-amsat
Date: 2006-10-18 18:10:37 UTC
From: ka117
Topic: 551 Message: 556

Hello
I call St2nh last night by the phone I tell hem this info he will
active in all pass for sat (07 ☐29-51-52)
73s

```
--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello Suli and tks for reply,
>
> My antennas is about 3 m above rotator, so it is not possible to
> increasing the distance, but thanks for your suggestion.
>
> Actually I changed the cables arrangement ( I had common GND
through RG-8)
> and now the noise reduced about 70%. The additional filter with
VK200
> and 0.1 caps (and the winding of cable trough PC-ferrites) did not
help.
>
> Now the noise is 1-3 S, it is not perfect but much better than
before. I
> believe
> a cable with grounded outer-shield like RG-cables it will
eliminate this
> noise.
>
> Suli, I'm looking for Nader. I need the ST-prefix but no lucky the
last 2
> days.
> Is it possible any schedule with him? I'm QRV this week on
daylight and
> afternoon
> passes (FO-29, AO-7, VO-52 mainly, but I can also via AO-51 if the
QRM
> allows
> the contact !)
>
> 73, Mak SV1BSX
>
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
```

>
>
>
>
> ----- Original Message -----
> From: ka117
> To: eu-amsat@yahoogroups.com
> Sent: Monday, October 16, 2006 3:13 PM
> Subject: [eu-amsat] Re: Rotator noise
>
>
> Hi Mak
> I have same DC noise up to s9 from my homemade rotator
> I place the antenna from the motor up to 1.5meter and the noises go
> I can hear only the relay click and some small noise in full motor
> load
>
> 73s de 7z1sj
>
> -- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@> wrote:
> >
> > Hi folks,
> >
> > Yesterday I placed a new "no name" rotator for my Satellite
> antennas
> > on my 2nd QTH but unfortunately I noticed a very strong spark-
> noise during
> > rotation
> > (even if I have "ON" the NoiseBlanker).
> > This rotator including DC-motor, so It's obvious that the sparks
> generated
> > from
> > motor's carbon-conductors. It has just a capacitor (0.33uF) to
> prevent
> > that. (BTW the noise is terrible on VHF and my S-meter rising to
9
> S,
> > on UHF is just audible but annoying on weak signals).
> >
> > I'm thinking to place an additional filter with caps and some
> ferrites
> > (VK200 ?)
> > close to the motor. The current consumption is about 0.3 A (at
18V
> DC)
> > during rotation.
> >
> > If somebody has any experience with this unwanted effect, any
> suggestion /
> > idea

> > is welcome.
> >
> > 73, Mak SV1BSX
> >
> >
> > sv1bsx@
> > http://www.qsl.net/sv1bsx
> >
> > LAN eMail-Server: This Email has been checked by NAV 2006
> > Virus Free
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> > sv1bsx@
> > http://www.qsl.net/sv1bsx
> >
> > LAN eMail-Server: This Email has been checked by NAV 2006
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> > _____
> > ×ñçóéìïðïéåßôå Yahoo!;
> > Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé
> ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> > http://mail.yahoo.gr
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> Yahoo! Groups Links
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> _____
> ×ñçóéìïðïéåßôå Yahoo!;
> Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé
ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> http://mail.yahoo.gr
>

557. Re: ST2M

Yahoo group: eu-amsat
Date: 2006-10-18 18:11:31 UTC
From: ka117
Topic: 555 Message: 557

In phone call with st2nh he say st2m try to call sat from his shack
DR:Nader try to incite ST station to active sat in ST land
73s

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello folks,
>
> few mins ago I heard on AO-51 the call ST2M calling CQ SAT.
Probably it's a
> special
> callsign from Nader, ST2NH, but it was like a zooo! The TOTAL QRM !
> Nobody was possible to make a QSO.
>
> I hope to listen him on SSB Sats soon.
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LAN eMail-Server: This Email has been checked by NAV 2006
> Virus Free
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>
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> _____
> ×ñçóéìïðïéåßôå Yahoo!;
> ÂáñåèÞêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé
ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> http://mail.yahoo.gr
>

558. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-10-18 22:27:48 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 558

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Converse/Tty-link.zip
Uploaded by : sv1bsx <sv1bsx@...>
Description : TTY-Link telnet application

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Converse/Tty-link.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>
```

559. CONVerse (chat-mode) Update

Yahoo group: eu-amsat
Date: 2006-10-18 22:30:32 UTC
From: SV1BSX
Topic: 559 Message: 559

Hello folks,

last tests via Internet connectionn with CONVerse-mode they had problems with HTTP browsers like Internet Explorer, FireFox etc (either on JAVA or PHP), but finally we have found the solution:

This CONVerse server is easily accessible via the Internet connection by using an advanced telnet application, called TTY-Link written by PA3AZK (many thanks to SV1UY for info).

You can download a copy of it from our Yahoo Group (visit http://groups.yahoo.com/group/eu-amsat/files/Converse/). After Download extract the ZIP file (ttylink.zip) by using the PZ-Unzip program (or similar) and install TTY-Link in your Computer (with "setup.exe").

It is a nice clean program, and to connect to the world wide CONVerse all you have to do is to RUN this after your Internet dial-up or broadband connection. By "click-ing" the SESSION (left up), a small new window will open on your screen with HOST & PORT fields.

Type on HOST: www.hb9ok.org
Type on Port: 3600
(default port is 87)

Press OK.

A connection with CONVerse will appears on your screen as follow:

*Convers @ Lugano_CH HB9OK
*
*Enter with:
*/n <callsign> [<channel>]

Type for login:

/n <yourcallsign> 29450

press ENTER

That's all !

Yesterday evening we tested that with excellent results. Aldert, PH7PCF and me we had a lovely chating for about 3 hours, without problems. It's fast,easy & accurate without errors and finally we have our own independent chat-room.

Enjoy it !

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by NAV 2006
Virus Free

560. Re: tks to 7Z1SZ

Yahoo group: eu-amsat
Date: 2006-10-20 09:37:14 UTC
From: SV1BSX
Topic: 560 Message: 560

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Suli,

many thanks for your phonecall to Nader, ST2NH.
I met him yesterday evening on AO-7 & AO-51 !
Well done !

A million thanks !

73, Mak SV1BSX

561. Eu-AmSat chat-room

Yahoo group: eu-amsat
Date: 2006-10-21 23:22:58 UTC
From: Makis
Topic: 561 Message: 561

Eu-AmSat chat-room
The CONVerse server is easily accessible via the Internet connection by using an advanced telnet application, called TTY-Link.
You can download a copy of it from our Yahoo Group (visit http://groups.yahoo.com/group/eu-amsat/files/Converse/ <http://groups.yahoo.com/group/eu-amsat/files/Converse/>). After Downloading extract the ZIP file (ttylink.zip) by using the PZ-Unzip program (or similar) and install TTY-Link in your Computer (with "setup.exe").
It is a nice clean program, and to connect to the world wide CONVerse all you have to do is to RUN this after your Internet dial-up or broadband connection. By "click-ing" the SESSION (left up), a small new window will open on your screen with HOST & PORT fields.
Type on HOST: www.hb9ok.org <http://www.hb9ok.org> Type on Port: 3600 (default port is 87) Press OK. A connection with CONVerse will appear on your screen as follow: *Convers @ Lugano_CH HB9OK * *Enter with: */n <callsign> [<channel>] Type for login: /n <yourcallsign> 29450 press ENTER That's all ! Enjoy it !

562. ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-23 15:30:29 UTC
From: SV1BSX
Topic: 562 Message: 562

Hello folks,

just a few mins before I heard Nader, ST2NH in QSO with Dom, I8CVS. Nader said to Dom that, he worked 22 European countries with a total of 100 QSOs, including AO-7, FO-29 & AO-51 Satellites.

He also informed us about 2 other callsigns which we have heard during last days, ST2M & ST2ZSS (ST2ZSS during JOTA). They are both active from Nader's shack.
.
FB Nader! Congratulations and thank you for the "new-one" on Satellites.

73, Mak SV1BSX.

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by NAV 2006
Virus Free

563. Re: ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-24 10:06:02 UTC
From: ka117
Topic: 562 Message: 563

Hi mak
DR: Nader, ST2NH working very hard to activate Sudan in satellite
I think you mean ST2KSS as ST2 Khartoum Sea Scout not ST2ZSS

73.s de 7z1sj

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello folks,
>
> just a few mins before I heard Nader, ST2NH in QSO with Dom,
I8CVS. Nader said to Dom that, he worked 22 European countries with
a total of 100 QSOs, including AO-7, FO-29 & AO-51 Satellites.
>
> He also informed us about 2 other callsigns which we have heard
during last days, ST2M & ST2ZSS (ST2ZSS during JOTA). They are both
active from Nader's shack.
> .
> FB Nader! Congratulations and thank you for the "new-one" on
Satellites.
>
> 73, Mak SV1BSX.
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LANProxy eMail-Server: This Email has been checked by NAV 2006
> Virus Free
>

564. Re: tks to 7Z1SZ

Yahoo group: eu-amsat
Date: 2006-10-24 10:07:22 UTC
From: ka117
Topic: 560 Message: 564

Do extremely well Mak. this is nice news

73.s de 7z1sj

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Suli,
>
> many thanks for your phonecall to Nader, ST2NH.
> I met him yesterday evening on AO-7 & AO-51 !
> Well done !
>
> A million thanks !
>
> 73, Mak SV1BSX
>
>
>
> ----- Original Message -----
> From: ka117
> To: eu-amsat@yahoogroups.com
> Sent: Wednesday, October 18, 2006 9:10 PM
> Subject: [eu-amsat] Re: Rotator noise
>
>
> Hello
> I call St2nh last night by the phone I tell hem this info he will
> active in all pass for sat (07 -29-51-52)
> 73s
>
> >
> > Suli, I'm looking for Nader. I need the ST-prefix but no lucky
the
> last 2
> > days.
> > Is it possible any schedule with him? I'm QRV this week on
> daylight and
> > afternoon
> > passes (FO-29, AO-7, VO-52 mainly, but I can also via AO-51 if
the
> QRM
> > allows
> > the contact !)
> >
> > 73, Mak SV1BSX

> >
> >
> > sv1bsx@
> > http://www.qsl.net/sv1bsx
> >
> > LAN eMail-Server: This Email has been checked by NAV 2006
> > Virus Free
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>
>
>
> _____
> ×ñçóéìïðïéåßôå Yahoo!;
> Âáñåèþêáôå ôá åíï÷ëçôéêÜ ìçíýìáôá (spam); Ôï Yahoo! Mail äéáèÝôåé
ôçí êáëýôåñç äõíáôÞ ðñïóôáóßá êáôÜ ôùí åíï÷ëçôéêþí ìçíõìÜôùí
> http://mail.yahoo.gr
>

565. Re: [eu-amsat] Re: ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-24 16:13:12 UTC
From: SV1BSX
Topic: 562 Message: 565

Hi Suli & Group,

yes, may be you have right about ST2 *K* SS callsign, sometimes the accent, the spelling, sometimes is difficult to hear it correctly on Sats. Sorry if I wrote wrong the call.

Today I met again Nader with Dom on FO-29. Unfortunately I received only the end of QSO but I heard some interesting details about Nader equipments. Well, from ST-land he makes use of Icom 901 with 5 El. VHF Homebrew Yagi on horizintal polarization & 12 El. homebrew UHF Yagi in vertical polarization.

73, Mak SV1BSX

----- Original Message -----
From: ka117
To: eu-amsat@yahoogroups.com
Sent: Tuesday, October 24, 2006 1:06 PM
Subject: [eu-amsat] Re: ST2NH update

Hi mak
DR: Nader, ST2NH working very hard to activate Sudan in satellite
I think you mean ST2KSS as ST2 Khartoum Sea Scout not ST2ZSS

73.s de 7z1sj

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello folks,
>
> just a few mins before I heard Nader, ST2NH in QSO with Dom, I8CVS. Nader said to Dom that, he worked 22 European countries with a total of 100 QSOs, including AO-7, FO-29 & AO-51 Satellites.
>
> He also informed us about 2 other callsigns which we have heard during last days, ST2M & ST2ZSS (ST2ZSS during JOTA). They are both active from Nader's shack.
> .
> FB Nader! Congratulations and thank you for the "new-one" on Satellites.
>
> 73, Mak SV1BSX.
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
> LANProxy eMail-Server: This Email has been checked by NAV 2006
> Virus Free
>

Yahoo! Groups Links

566. Re: [eu-amsat] Re: ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-24 20:34:01 UTC
From: Thomas Frey
Topic: 562 Message: 566

SV1BSX schrieb:
> Hi Suli & Group,
>
> yes, may be you have right about ST2 *K* SS callsign, sometimes the
> accent, the spelling,
> sometimes is difficult to hear it correctly on Sats. Sorry if I wrote
> wrong the call.
>
Hello Mak and Group

When Nader, ST2NH, will leave his QTH in Kartoum, would his shack be
open for ST2M and/or ST2KSS for further operation ?

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

567. ST2NH last news

Yahoo group: eu-amsat
Date: 2006-10-25 13:47:24 UTC
From: SV1BSX
Topic: 567 Message: 567

Hello folks,

just a few mins before, I heard Nader, ST2NH on FO-29 with Domenico, i8CVS on usual "daily news" .... via FO-29 !
Nader said that, today is QRV for LAST day from Sudan. So, if you still need the ST-prefix, looking for him on the next passes of AO-7, FO-29, AO-51 & VO-52 .

LAST CHANCE folks !

Good luck

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by NAV 2006
Virus Free

568. Re: ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-25 13:54:34 UTC
From: ka117
Topic: 562 Message: 568

hi all
I think DR:nader ST2NH will leave Sudan next Saturday October 28, 2006. He is monitoring Arabian net frequency on 20m band 14.290MHz after satellite pass
I hope he can copy my call
I will call hem and ST2M also. And I will ask hem about the sat activity after hem and who will take assist of it

73.s de 7z1sj Sulaiman

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> SV1BSX schrieb:
> > Hi Suli & Group,
> >
> > yes, may be you have right about ST2 *K* SS callsign, sometimes the
> > accent, the spelling,
> > sometimes is difficult to hear it correctly on Sats. Sorry if I wrote
> > wrong the call.
> >
> Hello Mak and Group
>
> When Nader, ST2NH, will leave his QTH in Kartoum, would his shack be
> open for ST2M and/or ST2KSS for further operation ?
>
>
> Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
>

569. Re: ST2NH update

Yahoo group: eu-amsat
Date: 2006-10-26 17:15:18 UTC
From: ka117
Topic: 562 Message: 569

Hi I met ST2NH last night on Arabian net on 20m band I asked him
about the activity in Sudan after him
he say no one have SSB \VHF radio they Have only FM and no antenna
also
He will take his station back with him to Saudi Arabia to continue
satellite from there

73.s de 7z1sj Sulaiman

--- In eu-amsat@yahoogroups.com, "ka117" <7z1sj@...> wrote:
>
> hi all
> I think DR:nader ST2NH will leave Sudan next Saturday October 28,
> 2006. He is monitoring Arabian net frequency on 20m band 14.290MHz
> after satellite pass
> I hope he can copy my call
> I will call hem and ST2M also. And I will ask hem about the sat
> activity after hem and who will take assist of it
>
> 73.s de 7z1sj Sulaiman
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
> >
> > SV1BSX schrieb:
> > > Hi Suli & Group,
> > >
> > > yes, may be you have right about ST2 *K* SS callsign,
sometimes
> the
> > > accent, the spelling,
> > > sometimes is difficult to hear it correctly on Sats. Sorry if
I
> wrote
> > > wrong the call.
> > >
> > Hello Mak and Group
> >
> > When Nader, ST2NH, will leave his QTH in Kartoum, would his
shack
> be
> > open for ST2M and/or ST2KSS for further operation ?
> >
> >
> > Regards, 73
> > Thomas Frey, HB9SKA

> >
>

> _
> >
> > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93
41
> > http://home.datacomm.ch/th.frey/
> > Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
> >
>

570. KM16WU on Sats

Yahoo group: eu-amsat
Date: 2006-10-31 02:46:19 UTC
From: SV1BSX
Topic: 570 Message: 570

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello folks,

between 15-19 November, a Greek radio-amateur team will activate for first
time in history the rock-island FALKONERA (grid locator
KM16WU,

571. Cheap elevation readout - a tip

Yahoo group: eu-amsat
Date: 2006-11-03 18:50:42 UTC
From: OM0AAO Viliam
Topic: 571 Message: 571

Hello,

half year ago I have read about simple but accurate digital elevation readout. I want to obtain one electronic spirit level but in my country it was a hard job.

But now has been selled by Lidl stores for 30 EURO. In combination of sat screw-jack can be completed cheap elevation rotator.

Elevation readout:
http://members.chello.nl/j.swienink1/elevation.html

SV1BSX's antenna elevator:
http://www.qsl.net/sv1bsx/actuator/actuator.html

Hope that someone need this,

73'Viliam, OM0AAO
administrator www.cq.sk
administrator www.hamportal.net

572. Re: [eu-amsat] Cheap elevation readout - a tip

Yahoo group: eu-amsat
Date: 2006-11-04 11:56:07 UTC
From: SV1BSX
Topic: 571 Message: 572

Hi Viliam & Group,

very-very interesting link, indeed !!! Thanks for your post, I will add this on my elevator-page as new link, ASAP !

However, the main problem with most of these units is the non-compatibility with auto Tracking-Boxes for automatic antenna position, which they need 0-5 V variable voltage-feedback. They are perfect just for manual tracking but with auto-tracking programs usually have problem, due to digital encoded output.

I will take a look on D1225E-DataSheet PDF later. If the output of D1225 is analogue, then we have no problem... it could work easily with Satellite auto-tracking antenna programs.

73, Mak SV1BSX

----- Original Message -----
From: "OM0AAO Viliam" <om0aao@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Friday, November 03, 2006 8:50 PM
Subject: [eu-amsat] Cheap elevation readout - a tip

> Hello,
>
>
> half year ago I have read about simple but accurate digital elevation readout. I
> want to obtain one electronic spirit level but in my country it was a hard job.
>
> But now has been selled by Lidl stores for 30 EURO. In combination of sat
> screw-jack can be completed cheap elevation rotator.
>
> Elevation readout:
> http://members.chello.nl/j.swienink1/elevation.html
>
> SV1BSX's antenna elevator:
> http://www.qsl.net/sv1bsx/actuator/actuator.html
>
> Hope that someone need this,
>
>
> 73'Viliam, OM0AAO
> administrator www.cq.sk
> administrator www.hamportal.net

>
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>
>
> Yahoo! Groups Links
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>

573. WiFi accelerator !

Yahoo group: eu-amsat
Date: 2006-11-10 08:55:13 UTC
From: SV1BSX
Topic: 573 Message: 573

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hi folks,

sorry for off topic but, I have to laugh with following link:

http://j-walk.com/other/wifispray/

I m sure you will enjoy it !

73, Mak SV1BSX

574. Re: [eu-amsat] WiFi accelerator !

Yahoo group: eu-amsat
Date: 2006-11-10 10:52:45 UTC
From: TERRY BROMLEY
Topic: 573 Message: 574

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Cheers Mak, that helps on a very frosty english morning. Hope you are ok. 73 Terry G1WPR. ... From: SV1BSX To: EU-Amsat

575. VQ-log problem

Yahoo group: eu-amsat
Date: 2006-11-16 10:12:52 UTC
From: SV1BSX
Topic: 575 Message: 575

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Hello folks,

today I tryed to add my new QSOs into VQlog... I was glad for my new-one
with GM0FMW.
After insertion of my last QSOs, I tryed the summary

576. Re: [eu-amsat] VQ-log problem

Yahoo group: eu-amsat
Date: 2006-11-16 16:04:34 UTC
From: Gennadi Klevtsov
Topic: 575 Message: 576

Hello Makis,
Something wrong with your copy of VQ-Log...
It's working fine for me for a years!
And GM land, of course, counted as a country via satellite.
You can see that on my home page.

Please, go to: Menu->File->Access the Logbook->Access by
DXCC, or simply press "Ctrl+F7", when VQ-Log is active.
It will open small window, where you can find,
"GM, GS Scotland".
Check that please.

73! Gennadi
ES1RF/ES3RF

S> Hello folks,

S> today I tryed to add my new QSOs into VQlog... I was glad for my "new-one"
S> with GM0FMW.
S> After insertion of my last QSOs, I tryed the "summary DXCC entities"
S> operation in order to
S> read my new summary DXCC-countries. But I noticed that, GM-land is not
S> counted as a new country for me ! The DXCC list is without GM-land , even if
S> GM0FMW including on my QSOs !!!
S> I tryed again & again, I closed the VQ log and I run it again, nothing ! I
S> reboot my PC and I run
S> again VQ-log program... just the same, no GM-land as "new-one" in DXCC-list
S> !
S> The QSO with GM-land exists on my QSOs ! But on "summary DXCC" list, GM-land
S> is not present !!!

S> Any suggestion?

S> 73, Mak SV1BSX

S> sv1bsx@...
S> http://www.qsl.net/sv1bsx

S> LANProxy eMail-Server: This Email has been checked by NAV 2006
S> Virus Free

S> _____
S> ????????????? Yahoo!;
S> ????????? ?? ????????? ???????? (spam); ?? Yahoo!
S> Mail ???????? ??? ???????? ?????? ????????? ???? ??? ?????????? ????????
S> http://mail.yahoo.gr

S>
S> Yahoo! Groups Links

--
Best regards,
Gennadi

Thursday, November 16, 2006, 12:12:52 PM, you wrote:

mailto:genek@...

577. Re: [eu-amsat] VQ-log problem

Yahoo group: eu-amsat
Date: 2006-11-16 16:17:53 UTC
From: Thomas Frey
Topic: 575 Message: 577

SV1BSX schrieb:
> Hello folks,
>
> today I tryed to add my new QSOs into VQlog... I was glad for my "new-one"
> with GM0FMW.
> After insertion of my last QSOs, I tryed the "summary DXCC entities"
> operation in order to
> read my new summary DXCC-countries. But I noticed that, GM-land is not
> counted as a new country for me ! The DXCC list is without GM-land , even if
> GM0FMW including on my QSOs !!!
> I tryed again & again, I closed the VQ log and I run it again, nothing ! I
> reboot my PC and I run
> again VQ-log program... just the same, no GM-land as "new-one" in DXCC-list
> !
> The QSO with GM-land exists on my QSOs ! But on "summary DXCC" list, GM-land
> is not present !!!
>
> Any suggestion?
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
>
Hi Mak

I don't know this software. But it looks like GM is not in a database.
A restart of the program or reboot of the PC will not help in such
situations. Look also at http://www.vhfdx.net/vqlog.php

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

578. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-12-18 01:26:25 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 578

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /YAESU/G-550.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : Instruction Manual

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/YAESU/G-550.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

579. CW program

Yahoo group: eu-amsat
Date: 2006-12-18 11:51:02 UTC
From: Makis
Topic: 579 Message: 579

Hi all,

for those interesting for CW practice, a very impressive
training program is available at:

http://www.g4fon.net/CW%20Trainer.htm

Between others offers "Virtual receiving" with QSB, Noise,
chirp-ing and few other impressive goodies !

Try it !

73, Mak SV1BSX

580. marry xmas and happy new year

Yahoo group: eu-amsat
Date: 2006-12-19 04:16:32 UTC
From: nader omer
Topic: 580 Message: 580

hello all friend and eu.amsat members
greeating and good wishes for
the xmas and happy new year

73 de st2nh

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

581. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2006-12-19 10:57:30 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 581

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /YAESU/G-450A_650_1000.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : Antenna rotator & controller - User Manual

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/YAESU/G-450A_650_1000.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

582. Seasons Greetings from Riri OD5RI

Yahoo group: eu-amsat
Date: 2006-12-23 19:31:53 UTC
From: Riri
Topic: 582 Message: 582

I wish you and your families a Merry Xmas and good health and prosperity in the New Year 2007.

Riri - OD5RI

583. Wishes

Yahoo group: eu-amsat
Date: 2007-01-01 14:49:41 UTC
From: SV1BSX
Topic: 93 Message: 583

HAPPY NEW YEAR my friends !

Except for usual wishes about health, love, peace, more money in our pockets etc., I wish also this year to have P3-Express in orbit !

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

584. Re: [eu-amsat] Wishes

Yahoo group: eu-amsat
Date: 2007-01-01 21:26:40 UTC
From: Thomas Frey
Topic: 93 Message: 584

SV1BSX schrieb:
> HAPPY NEW YEAR my friends !
>
> Except for usual wishes about health, love, peace, more money in our pockets
> etc., I wish also this year to have P3-Express in orbit !
>
> 73, Mak SV1BSX
>
> sv1bsx@...
> http://www.qsl.net/sv1bsx
>
>
Hello All and a very prosperous New Year

We all wish to have P3E in orbit this new year. But I think, this will not occur. The earliest possible ride would be at the end of this year with an Ariane. The second possibility is a ride on a new Soyuz from the new russian launchplace in Kourou. Because this launch would be much less cost intensive, I think, the earliest launch of Phase-3E will be at the end of 2008.

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

585. AO-7 status

Yahoo group: eu-amsat
Date: 2007-01-02 16:25:14 UTC
From: SV1BSX
Topic: 585 Message: 585

Hello folks,

I observed that AO-7 is again "out of eclipse" till April 2007.
The current year we have a period of about 3.5 months where
the Satellite is continually under Sun light,
so here we have a good question:

What time exactly the internal timer changes the Mode between B & A?

During 2006, John LA2QAA had determined precisely the time of Mode-change.

As I read now on excellent AO-7's Logbook of Emily, W1DID, during last days
the Satellite seems
to change Mode between 11-12.30 UTC.
So, it's highly appreciate more observation around this time in order to
determine
the change-time with much more accuracy.

73 & HNY

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by NAV
*** Virus Free ***

586. AO-7 switching.

Yahoo group: eu-amsat
Date: 2007-01-03 12:49:40 UTC
From: John Alan Hackett.
Topic: 586 Message: 586

Happy New Year to all,

I can confirm Mak's (SV1BSX) observation that AO-7
is currently switching mode from A to B and B to A
on consequative days at 12:00 UTC.

This is likely to change soon so keep an eye on the
AO-t Resource page log at ...

<http://www.planetemily.com/ao7/ao7log.php>

Log administrator.

73 John <la2qaa@...>

587. Re: [eu-amsat] AO-7 switching.

Yahoo group: eu-amsat
Date: 2007-01-04 15:05:54 UTC
From: SV1BSX
Topic: 586 Message: 587

Hello John & Group,

today reports:

10.17 UTC Mode-B (by PY1UNU)
11.20 UTC Mode-A (by UA9CS)

So, the switching-time took place between 10.20-11.20 UTC.

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

----- Original Message -----
From: John Alan Hackett.
To: eu-amsat@yahoogroups.com
Sent: Wednesday, January 03, 2007 2:49 PM
Subject: [eu-amsat] AO-7 switching.

Happy New Year to all,

I can confirm Mak's (SV1BSX) observation that AO-7
is currently switching mode from A to B and B to A
on consequative days at 12:00 UTC.

This is likely to change soon so keep an eye on the
AO-t Resource page log at ...

<http://www.planetemily.com/ao7/ao7log.php>

Log administrator.

73 John <la2qaa@...>

Yahoo! Groups Links

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 0701-0, 03/01/2007
Tested on: 4/1/2007 5:05:55 ??
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

588. Re: [eu-amsat] P3-E

Yahoo group: eu-amsat
Date: 2007-01-04 14:48:51 UTC
From: SV1BSX
Topic: 588 Message: 588

Hello All and a very prosperous New Year

We all wish to have P3E in orbit this new year. But I think, this will not occur. The earliest possible ride would be at the end of this year with an Ariane. The second possibility is a ride on a new Soyuz from the new russian launchplace in Kourou. Because this launch would be much less cost intensive, I think, the earliest launch of Phase-3E will be at the end of 2008.

Regards, 73
Thomas Frey, HB9SKA

..hello Thomas and Happy New Year.

Yes, your scenario is 100% realistic.... unfortunately....
always the launch of our HEO Satellites
was a terrible story, with big delays.
I believe that 1-2 more years it's too much time
without a HEO if we want "fresh blood" in Amateur Radio.

BTW a good friend of mine on top of P3-Express project, he
told me ("of the record" !) that the Amsat-DL is in a strange
"relaxing" with preparation of P3-E and this sounds to me very
unusual.
All parts of satellite they have delivered to Amsat-DL but,
.... nobody says anything about flow-chart of project, launch time
(or needed donations etc).
The last update was precisely a year ago (Jan '06) through Amsat-BB by
Peter Guelzow, DB2OS, and after that... nothing !
Completely ..darkness !

On the other hand, the American-friends in Amsat-NA they
are much more active during last period for Eagle Satellite.
They made to deposit 156,000$ till December'06 with a great
campaign through Bulletins, magazines etc. and now they are
very happy peoples in Amsat-NA, as the target was 150,000 $.

However, I hope for a ride of P3-Express at the end of this year
due to excellent relationships between Amsat-DL and ESA.

Who knows... just I hope !

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 0701-0, 03/01/2007
Tested on: 4/1/2007 5:05:51 ??
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

589. Re: [eu-amsat] AO-7 switching.

Yahoo group: eu-amsat
Date: 2007-01-04 16:14:10 UTC
From: john hackett
Topic: 586 Message: 589

Hello folks ....

I wrote ...

>This is likely to change soon so keep an eye on the AO-t Resource page log
>at ...

73 John. <la2qaa@...> Resource page admin:
.....
.....

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: "EU-Amsat" <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] AO-7 switching.
>Date: Thu, 4 Jan 2007 17:05:54 +0200
>
> Hello John & Group,
>
>today reports:
>
>10.17 UTC Mode-B (by PY1UNU)
>11.20 UTC Mode-A (by UA9CS)
>
>So, the switching-time took place between 10.20-11.20 UTC.
>
>73, Mak SV1BSX
>
>
>
>sv1bsx@...
>http://www.qsl.net/sv1bsx
>
>LANProxy eMail-Server: This Email has been checked by AVAST-Pro
> *** Virus Free ***
>
>
>
> ----- Original Message -----
> From: John Alan Hackett.
> To: eu-amsat@yahoogroups.com
> Sent: Wednesday, January 03, 2007 2:49 PM
> Subject: [eu-amsat] AO-7 switching.
>
>
> Happy New Year to all,

>
> I can confirm Mak's (SV1BSX) observation that AO-7
> is currently switching mode from A to B and B to A
> on consequative days at 12:00 UTC.
>
> This is likely to change soon so keep an eye on the
> AO-t Resource page log at ...
>
> <http://www.planetemily.com/ao7/ao7log.php>
>
> Log administrator.
>
> 73 John <la2qaa@...>
>
>
>
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> Yahoo! Groups Links
>
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>
>
>---
>avast! Antivirus: Outbound message clean.
>Virus Database (VPS): 0701-0, 03/01/2007
>Tested on: 4/1/2007 5:05:55 ??
>avast! - copyright (c) 1988-2007 ALWIL Software.
>http://www.avast.com
>
>
>

590. Re: [eu-amsat] P3-E

Yahoo group: eu-amsat
Date: 2007-01-04 17:58:34 UTC
From: Thomas Frey
Topic: 588 Message: 590

SV1BSX schrieb:
> Hello All and a very prosperous New Year
>
> We all wish to have P3E in orbit this new year. But I think, this
> will not occur. The earliest possible ride would be at the end of this
> year with an Ariane. The second possibility is a ride on a new Soyuz
> from the new russian launchplace in Kourou. Because this launch would
> be much less cost intensive, I think, the earliest launch of Phase-3E
> will be at the end of 2008.
>
>
>
> Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> ..hello Thomas and Happy New Year.
>
> Yes, your scenario is 100% realistic.... unfortunately....
> always the launch of our HEO Satellites
> was a terrible story, with big delays.
> I believe that 1-2 more years it's too much time
> without a HEO if we want "fresh blood" in Amateur Radio.
>
Hello Mak

In the NASA schedules you can also read always "Not earlier than..." ;-)

The "scenario" you can read hear, but in German only:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=65&Itemid=99

> BTW a good friend of mine on top of P3-Express project, he
> told me ("of the record" !) that the Amsat-DL is in a strange
> "relaxing" with preparation of P3-E and this sounds to me very
> unusual.
>
Hmm... for me also.

> All parts of satellite they have delivered to Amsat-DL but,
> .... nobody says anything about flow-chart of project, launch time
> (or needed donations etc).
>
This is the politics of AMSAT-DL. You have to read it as member in whose
journal. But with the new homepage www.amsat-dl.org there is a little bit
of "glas nost".

> The last update was precisely a year ago (Jan '06) through Amsat-BB by
> Peter Guelzow, DB2OS, and after that... nothing !
> Completely ..darkness !
>
> On the other hand, the American-friends in Amsat-NA they
> are much more active during last period for Eagle Satellite.
> They made to deposit 156,000$ till December'06 with a great
> campaign through Bulletins, magazines etc. and now they are
> very happy peoples in Amsat-NA, as the target was 150,000 $.
>
This has also to do with AMSAT-DL's politics. Last year we had a discussion in 'DLs forum about a "thermometer". The answer was "NO NADA !", also a political determination.

I knows, we as members could not understood such decidings. But I think, our president Peter Gülzow makes his job in a way, that we have a new HEO-Sat in orbit as soon as possible.

> However, I hope for a ride of P3-Express at the end of this year
> due to excellent relationships between Amsat-DL and ESA.
>
> Who knows... just I hope !
>
> 73, Mak SV1BSX
>
>
>
We all have our hopes. But its always the same: Money, Money, Money...

Apropos Money:
http://www.p3e-satellite.org/index.pl

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

591. RE P3E

Yahoo group: eu-amsat
Date: 2007-01-05 01:39:51 UTC
From: iskaliton
Topic: 591 Message: 591

Hi to all and happy new year. As planned i'm happy to join your group following a past year invitation. This group will be an alternative and a backup to other forums where some subject cannot be freely discussed.

> BTW a good friend of mine on top of P3-Express project, he
> told me ("of the record" !) that the Amsat-DL is in a strange
> "relaxing" with preparation of P3-E and this sounds to me very
> unusual.
> All parts of satellite they have delivered to Amsat-DL but,
> .... nobody says anything about flow-chart of project, launch time
> (or needed donations etc).
> The last update was precisely a year ago (Jan '06) through Amsat-BB by
> Peter Guelzow, DB2OS, and after that... nothing !
> Completely ..darkness !
>
> On the other hand, the American-friends in Amsat-NA they
> are much more active during last period for Eagle Satellite.

As said when we are in a state of "Completely ..darkness !" we can only speculate... Is it possible AMSAT-DL put a slow down on their project to give time to AMSAT-NA to let them come closer to the P3E program?

As many AMSAT-NA folks who are actually involved in the P3E project is it also possible with the recent "blackmail" episode they also use the same tactics to force AMSAT-DL to slow down their project? As numerous observer noted it is a cultural trend who seems to also affect the amateur radio field. As busy someone can be it takes only a few lines to summarized the state of construction of a project. Even AMSAT-NA EaglePedia does not reported any changes when asked to list the last 500 changes made on this site...

http://www.amsat.org/amsat-new/eagle/EaglePedia/index.php?limit=500&hidebots=&title=Special%3ARecentchanges&namespace=
(Not too sure if the link will work)

It is strange that on both side there is a curious conjunction of a No New News called it the NNN syndrome as another news problem syndrome called CNN Currently No News. Only AMSAT-NA seems to make fresh news reports. They are adding money on their fund and that they are moving their construction facilities from Orlando to Maryland.

As i said it is only speculations could be 2007 will bring us fresher news.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

592. Re: [eu-amsat] RE P3E

Yahoo group: eu-amsat
Date: 2007-01-05 12:40:19 UTC
From: Thomas Frey
Topic: 591 Message: 592

iskaliton schrieb:
> Hi to all and happy new year. As planned i'm happy to join your group
> following a past year invitation. This group will be an alternative
> and a backup to other forums where some subject cannot be freely
> discussed.
>
>
Hello Luc, happy new year and welcome in our group.

>
> [...]
>
> It is strange that on both side there is a curious conjunction of a No
> New News called it the NNN syndrome as another news problem syndrome
> called CNN Currently No News. Only AMSAT-NA seems to make fresh news
> reports. They are adding money on their fund and that they are moving
> their construction facilities from Orlando to Maryland.
>
> As i said it is only speculations could be 2007 will bring us fresher
> news.
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
>
>
>
>
>
>
I knows of the problem not to be informed. Last year we had a couple
of speculations in our DL-forum. The result was frustration and worse
wiggings.

As a member of AMSAT-DL I would like to inform you all exclusively from
our Journal in a quarterly basis about Phase-3E. But I have to excuse
my English in advance, its not so good as yours. There will be only
short summaries, so you are informed. The title will be "P3E News Qn".
What else ;-)

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

593. AO-7 Switching.

Yahoo group: eu-amsat
Date: 2007-01-06 11:32:27 UTC
From: John Alan Hackett.
Topic: 593 Message: 593

Hi All,
Today 06-01-07 AO-7 switched from mode-B
to mode-A at precisely 11:24 UTC ... (in the middle
of a QSO with Igor UA9CS).

73 John. <la2qaa@...)

AO-7 Resource Page Log administrator.

594. P3E News Q1 2006

Yahoo group: eu-amsat
Date: 2007-01-06 16:54:40 UTC
From: Thomas Frey
Topic: 594 Message: 594

Erst in Deutsch, dann in Englisch
First in German, then in English

Ein Software definierter Transponder fuer P3E

Im Dezember 2005 fand in Marburg ein zweitaegiges Kick-Off-Meeting zu Entwicklung und Bau eines SDR-Transponders statt. Mit dem SDX wuerde die AMSAT neueste Technologien im P3E realisieren, mit denen sich kuenftige Transponder auf Satelliten wesentlich effizienter betreiben lassen. Im Vorfeld zum SDX-Meeting gab es ein einwoechiges Arbeitsmeeting, in dem sich Karl Meinzer, DJ4ZC, und Bob McGwier, N4HY, ausgiebig mit der Inbetriebnahme der neuen IHU-3 befassten.

A Software defined transponder for P3E

In December 2005 a two-day Kick off Meeting take place in Marburg for Development and building a SDR-transponder. With the SDX would AMSAT realize newest technologies in the P3E, with those future Transponders on satellites substantially more efficiently to operate. In the forefield to the SDX Meeting was an one-week work meeting, in that Karl Meinzer, DJ4ZC, and Bob McGwier, N4HY, was extensively concerned with start-up the new IHU-3.

P3E-Solargenerator - Ready to Fly

Die Solarpanels fuer P3E sind inzwischen fertiggestelt und warten gut verpackt auf den Start mit P3E.

P3E-Solargenerator - Ready to Fly

The solar panels for P3E are got ready in the meantime and wait well packed for the start with P3E.

P3E-Endstufen-Meeting in Marburg

Am 6. Dezember 2005 trafen sich bei der AMSAT-DL in Marburg die Designer des Endstufenmoduls fuer 145 MHz und 2400 MHz mit P3E-Projektmanagement und Projektleitung.

P3E-PA-Meeting in Marburg

On 6 December 2005 the designers of the Output stage module for 145 MHz and 2400 MHz met at AMSAT-DL in Marburg with P3E-Projectmanagement and Direction of the project.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also www.amsat-dl.org

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

595. P3E News Q2 2006

Yahoo group: eu-amsat
Date: 2007-01-06 23:29:04 UTC
From: Thomas Frey
Topic: 595 Message: 595

Erst in Deutsch, dann in Englisch
First in German, then in English

Momentan wird wird in Marburg das Clamp-Band fuer P3E angefertigt und die Vorbereitungen fuer die Arbeiten an dem Kabelbaum sind in vollem Gange.

Momentarily in Marburg the clamp bond is made for P3E and the preparations for the work on the wiring harness are in full course.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also www.amsat-dl.org

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

596. P3E News Q3 2006

Yahoo group: eu-amsat
Date: 2007-01-07 16:52:08 UTC
From: Thomas Frey
Topic: 596 Message: 596

Erst in Deutsch, dann in Englisch
First in German, then in English

Launches speak louder than words

Unter diesem inoffiziellen Motto fand vom 26. - 28. April 2006 das
Arianespace-Customer-Seminar statt, zu dem auch die AMSAT-DL ins
europaeische
Raumfahrtzentrum nach Kourou in Franzoesisch Guyana eingeladen war.

Siehe auch
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=65&Itemid=99

Launches speak louder than words

Under this unofficial slogan take place from 26. - 28 April 2006 the
Arianespace Customer seminar, to also the AMSAT-DL in the European
Space center after Kourou into French Guyana was invited.

[Sorry, there is no translation of above article]

P3E in den Orbit bringen und bei der Pixelaktion dabei sein

Fuer den im Bau befindlichen Nachfolger von AO-10, AO-13 und AO-40 hat die
AMSAT-DL eine ganz besondere Moeglichkeit der individuellen Beteiligung und
Unterstuetzung geschaffen. Auf einer extra eingerichteten Internetseite
unter
http://www.p3e-satellite.org/index.pl

Bring P3E into the orbit and be thereby with the pixel action
---
For the successor of AO-10, AO-13 and AO-40, under construction, AMSAT-DL
has a completely special possibility of the individual participation and
Support produced. On an extra furnished Internet side under
http://www.p3e-satellite.org/index.pl?lang=en_EN

Artikel ?ber / Articles about STELLA

Ein "Software Defined Transponder" f?r P3-E
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=43&Itemid=97

STELLA - Satellite transponder with equalising level limiting adaptor
http://www.g6lvb.com/Articles/STELLA/index.htm

Wird fortgesetzt...
Will be continued...

Siehe auch / See also www.amsat-dl.org

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

597. AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-27 15:31:30 UTC
From: John Alan Hackett.
Topic: 597 Message: 597

Hi All,
Anybody worked further than 5449 km on AO-7?

Verona,Wisconsin,USA to Frei Island, Norway.

If you've worked further on AO-7 please give me a shout.

Also worked Igor UA9CS (Urals) on the same pass so the
coverage for AO-7 is pretty good.

73 John <la2qaa@...>

598. Re: [eu-amsat] AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-27 18:18:31 UTC
From: SV1BSX
Topic: 597 Message: 598

Hi John & Group,

conglatulations for great QSO. FB!

As I have on my records, the lognest distance QSOs via
AO-7 are:

1)
October 17th, 2004
Calls: PH7AT<->WB4LHD
SMode: unknown
locators: EM55DB <-> JO21WA.
Distance ~7408 km.

2)
Date unknown
Calls: K8DID<->YL2LW
SMode: AO-7/Mode-B
locators: Unknown
Distance ~7316 km.

Sorry my friend John, you are in the 3rd place at the
moment, so the Bronze Medal and not the Gold belongs
to you, Hi hi ! But the AO-7's racing will be
continued... keep on the good work.
(unofficial all, due my personal records.
I'm not 100% sure)

Have a nice weekend

73, Mak SV1BSX

PS: John, I put one's shirt on you for Gold-Medal!

--- "John Alan Hackett." <la2qaa@...> wrote:

> Hi All,
> Anybody worked further than 5449 km on AO-7?
>
> Verona,Wisconsin,USA to Frei Island, Norway.
>
> If you've worked further on AO-7 please give me a
> shout.
>
> Also worked Igor UA9CS (Urals) on the same pass so
> the
> coverage for AO-7 is pretty good.

>
> 73 John <la2qaa@...>
>
>

Looking for earth-friendly autos?
Browse Top Cars by "Green Rating" at Yahoo! Autos' Green Center.
http://autos.yahoo.com/green_center/

599. 40 years since Apollo1 deaths

Yahoo group: eu-amsat
Date: 2007-01-27 20:17:54 UTC
From: SV1BSX
Topic: 599 Message: 599

http://nssdc.gsfc.nasa.gov/planetary/lunar/apollo1info.html

Do you Yahoo!?
Everyone is raving about the all-new Yahoo! Mail beta.
http://new.mail.yahoo.com

600. Re: AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-27 21:32:06 UTC
From: ph7pcf
Topic: 597 Message: 600

Hi guys,

My longest distance QSO is with KO4MA JO22JP <-> EL88PG QRB 7385 km.

Sorry John for the Bronze Medal.

73's

Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, SV1BSX <sv1bsx@...> wrote:
>
> Hi John & Group,
>
> conglatulations for great QSO. FB!
>
> As I have on my records, the lognest distance QSOs via
> AO-7 are:
>
> 1)
> October 17th, 2004
> Calls: PH7AT<->WB4LHD
> SMode: unknown
> locators: EM55DB <-> JO21WA.
> Distance ~7408 km.
>
>
> 2)
> Date unknown
> Calls: K8DID<->YL2LW
> SMode: AO-7/Mode-B
> locators: Unknown
> Distance ~7316 km.
>
>
> Sorry my friend John, you are in the 3rd place at the
> moment, so the Bronze Medal and not the Gold belongs
> to you, Hi hi ! But the AO-7's racing will be
> continued... keep on the good work.
> (unofficial all, due my personal records.
> I'm not 100% sure)
>
> Have a nice weekend
>
> 73, Mak SV1BSX

>
> PS: John, I put one's shirt on you for Gold-Medal!
>
>
>
> --- "John Alan Hackett." <la2qaa@...> wrote:
>
> > Hi All,
> > Anybody worked further than 5449 km on AO-7?
> >
> > Verona,Wisconsin,USA to Frei Island, Norway.
> >
> > If you've worked further on AO-7 please give me a
> > shout.
> >
> > Also worked Igor UA9CS (Urals) on the same pass so
> > the
> > coverage for AO-7 is pretty good.
> >
> > 73 John <la2qaa@...>
> >
> >
>
>
>
>
>

> Looking for earth-friendly autos?
> Browse Top Cars by "Green Rating" at Yahoo! Autos' Green Center.
> http://autos.yahoo.com/green_center/
>

601. Re: [eu-amsat] Re: AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-27 22:08:24 UTC
From: SV1BSX
Topic: 597 Message: 601

Hey, Aldert, where are you?

Long-long time to hear you here or Satellites.
Congrat's for your great QSO !
Can you inform me (just for my record) date of QSO
& Smode?

Good competition on Sats!

73, Mak SV1BSX

--- ph7pcf <PH7PCF@...> wrote:

> Hi guys,
>
> My longest distance QSO is with KO4MA JO22JP <->
> EL88PG QRB 7385 km.
>
> Sorry John for the Bronze Medal.
>
> 73's
>
> Aldert
> PH7PCF
>
> --- In eu-amsat@yahoogroups.com, SV1BSX <sv1bsx@...>
> wrote:
> >
> > Hi John & Group,
> >
> > conglatulations for great QSO. FB!
> >
> > As I have on my records, the lognest distance QSOs
> via
> > AO-7 are:
> >
> > 1)
> > October 17th, 2004
> > Calls: PH7AT<->WB4LHD
> > SMode: unknown
> > locators: EM55DB <-> JO21WA.
> > Distance ~7408 km.
> >
> >
> > 2)
> > Date unknown

> > Calls: K8DID<->YL2LW
> > SMode: AO-7/Mode-B
> > locators: Unknown
> > Distance ~7316 km.
> >
> >
> > Sorry my friend John, you are in the 3rd place at
> the
> > moment, so the Bronze Medal and not the Gold
> belongs
> > to you, Hi hi ! But the AO-7's racing will be
> > continued... keep on the good work.
> > (unofficial all, due my personal records.
> > I'm not 100% sure)
> >
> > Have a nice weekend
> >
> > 73, Mak SV1BSX
> >
> > PS: John, I put one's shirt on you for Gold-Medal!
> >
> >
> >
> > --- "John Alan Hackett." <la2qaa@...> wrote:
> >
> > > Hi All,
> > > Anybody worked further than 5449 km on
> AO-7?
> > >
> > > Verona,Wisconsin,USA to Frei Island, Norway.
> > >
> > > If you've worked further on AO-7 please give me
> a
> > > shout.
> > >
> > > Also worked Igor UA9CS (Urals) on the same pass
> so
> > > the
> > > coverage for AO-7 is pretty good.
> > >
> > > 73 John <la2qaa@...>
> > >
> > >
> >
> >
> >
> >
> >
>

> _____
> > Looking for earth-friendly autos?
> > Browse Top Cars by "Green Rating" at Yahoo! Autos'
> Green Center.
> > http://autos.yahoo.com/green_center/
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> Yahoo! Groups Links
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_____
Do you Yahoo!?
Everyone is raving about the all-new Yahoo! Mail beta.
http://new.mail.yahoo.com

602. Re: [eu-amsat] Re: AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-28 11:37:59 UTC
From: SV1BSX
Topic: 597 Message: 602

Hi folks,

looking for a reliable & easy to use chat-room for
our Group, I'm testing a new application on my new
page.

Please visit:

http://sv1bsx.50webs.com/satchat.html

You must have on your PC the JAVA applet (only if used
XP O/S), but that usually included on Internet
Explorer and Firefox .
(If not, you must download it.)

Please let me know if you have problems.

BTW this applet needs to have braodband connection,
I believe with DialUp is slow.

Sorry for advertising messages at the moment.
I will register the program later, if that is OK.

73, Mak SV1BSX

Cheap talk?
Check out Yahoo! Messenger's low PC-to-Phone call rates.
http://voice.yahoo.com

603. New ChatRoom (under test)

Yahoo group: eu-amsat
Date: 2007-01-28 11:54:12 UTC
From: SV1BSX
Topic: 603 Message: 603

> Hi folks,
>
> looking for a reliable & easy to use chat-room for
> our Group, I'm testing a new application on my new
> page.
>
> Please visit:
>
> http://sv1bsx.50webs.com/satchat.html
>
> You must have on your PC the JAVA applet (only if
> used
> XP O/S), but that usually included on Internet
> Explorer and Firefox .
> (If not, you must download it.)
>
> Please let me know if you have problems.
>
> BTW this applet needs to have braodband connection,
> I believe with DialUp is slow.
>
> Sorry for advertising messages at the moment.
> I will register the program later, if that is OK.
>
> 73, Mak SV1BSX
>
>
>
>

Want to start your own business?
Learn how on Yahoo! Small Business.
http://smallbusiness.yahoo.com/r-index

604. Re: [eu-amsat] AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-29 00:14:41 UTC
From: Trevor
Topic: 597 Message: 604

I'm sure Pat Gower topped 6000 km in the 1970's but don't know if that was
Oscar 6 or 7.

Anyway who cares, 5499 km is still a great achievement.

73 Trevor M5AKA

--- "John Alan Hackett." <la2qaa@...> wrote:

> Hi All,
> Anybody worked further than 5449 km on AO-7?
>
> Verona,Wisconsin,USA to Frei Island, Norway.
>
> If you've worked further on AO-7 please give me a shout.
>
> Also worked Igor UA9CS (Urals) on the same pass so the
> coverage for AO-7 is pretty good.
>
> 73 John <la2qaa@...>
>
>

_____
What kind of emailer are you? Find out today - get a free analysis of your email
personality. Take the quiz at the Yahoo! Mail Championship.
http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

605. Re[2]: [eu-amsat] AO-7 Distance record?.

Yahoo group: eu-amsat
Date: 2007-01-29 13:21:45 UTC
From: Gennadi Klevtsov
Topic: 597 Message: 605

Hello Makis and the group,

Good question regarding best ODX via LEO satellite.
My personal best ODX via AO-7 with AJ9K = 7155km.
More detales:
26/08/2006 12:33 AJ9K EN53FA 559/559 CW

The question was so interesting, so I checked my
logbook to find the best ODX via other satellites.
VQ-Log gives this possibility in a few seconds.
It was QSO with ZL2VBV via AO-10. ODX=17084 km.
Detales:
07/07/1998 06:45 ZL2VBV RE79TP 44/53 SSB.

73! Genna
ES1RF/ES3RF

--
Best regards,
Gennadi mailto:genek@...

606. Is. No2: AO-7 Distance record?

Yahoo group: eu-amsat
Date: 2007-01-30 10:40:35 UTC
From: SV1BSX
Topic: 606 Message: 606

```
Hello folks,

according to last updates, the "longest distance" QSOs via AO-7 are:

1) GOLD MEDALs
---------------------
Date:17/10/ 2004
Calls: PH7AT<->WB4LHD
SMode: AO-7/ Mode-B
Report/Mode:---
locators: JO21WA<->EM55DB
Distance ~7408 km.

2) SILVER MEDALs
-----------------------
Date: unknown
Calls:PH7PCF<->KO4MA
SMode: AO-7/ Mode-B
RPT/Mode:---
locators: JO22JP <-> EL88PG
Distance ~7385 km.

3) BRONZE MEDALs
------------------------
Date: 08/06/1976
Calls:i8CVS<->VA3AC
Smode:---
RPT/Mode: SSB
locators:JN70ES<->EN96LK
Distance ~7237 km

========================================

4)
Date:26/08/2006 12:33
Calls: ES1RF<->AJ9K
Smode:---
RPT/Mode: 559/559 CW
locators:KO29IF<>EN53FA
Distance ~7155 km

5)
Date: unknown
Calls: YL2LW<-> K8DID
Smode:AO-7/Mode-B
RPT/Mode:---
locators: KO26CW<->EN63SX
```

Distance ~7078 km.

6)
Date: 28/1/2007
Calls: LA2QAA<->AJ9K
Smode: ---
RPT/Mode:---
locators:JP33WB <->EN53FA
Distance ~5469 km

==========

.....to be continued !

73, Mak SV1BSX

ps: please send me your "longest distance QSO" via AO-7,
in order to complete this list.

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000708-1, 29/01/2007
Tested on: 30/1/2007 1:02:14 ??
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

607. Is. No3: AO-7 Distance record? [UPDATE]

Yahoo group: eu-amsat
Date: 2007-01-31 05:26:43 UTC
From: SV1BSX
Topic: 607 Message: 607

Hello folks,

great competition! FB ! Here I've NEW updates about
the "longest distance" QSOs via AO-7.
Actually, I've a few comments and I need your opinion
in order to realise and make much better this list.
Feel free to send me your comments, ideas, QSOs + QSL cards
to my personal Email (sv1bsx@...).

Now, my first comment is about this idea. I had a draft notice
in my PC with "longest distance QSOs via AO-7". Just before
2-3 days, John LA2QAA wondered in our Sat-Forum (Eu-Amsat),
if his QSO with AJ9K it was (or not) the "longest distance QSO".
That was the begigning for me in order to realise and publish a list,
so John's question it was the "trigger". (good-one John!)

2)ES1RF, Genna, he told me about inaccurate distance in
a contact of list. He was probably right. So I need to
check carefully all entries, that is too difficult.
(Check please carefully your contact, before send it to me).

3)Today I received the Emails of i8CVS, Domenico. He
send me also 2 nice QSL cards for QSOs via AO-6 & 7.
So, as Domenico wrote and suggested in a way, it is
necessary to have the QSL cards in order to confirm the
record-list & QSOs. I agree 100%.
I think nowadays that is very easy job. You can send me your scanned
QSL card through an Email, as Domenico did it.
Thus, the list will be much more accurate and valid.
Very soon I will make a Web-page with this list and QSL
cards. A mere example -under construction this moment- is here:

http://sv1bsx.50webs.com/oscardx/odx.html

4)It will be more informative list, if including additional
infos. I believe some "fields" like the Report, Mode, Smode
are absolutely necessary. May be the Power-OUT as well.
Another suggestion is about a small description of used antennas.

5) Someone asked me if is possible to create a "trophy", or
award. OK, nowadays it is easy to design and make an Award.
But I wondering: this ranking is not stable, we have active
Satellites, so the record-list is impossible to stay unchanged for ever.

Today PH7AT & Wb4LHD are shared the 1st place.
If after 2, 3 months, two other operators achieve a bit
longer-distance QSO than PH7AT & WB4LHD, what must

to do? If I have printed the PH7AT & WB4LHD's Awards for the 1st place,
the next Hams will also have on their Shacks another "1st-place" Award !!?
Right ?

6) I suggest to replace the "longest distance QSO" with "ODX"
(Oscar-DX) abbreviation (tks to ES1RF).

7) I have also suggestions for:
I) A new "WORLD-RECORD ODX" record-list
(definitely via HEO... where are you AO-40?)

II) Record-Lists for FO-29 and other Satellites. However I don't know
if we need too many Lists for each one Satellite or is enough
a single List for all LEOs... let me know.

That's all folks ! Thanks for reading.

73, Mak SV1BSX

*THANKS also for updates - comments to:
EB3JT
KO4MA
KB2M
VE9QRP
==========

The new "updated" list is:

1) GOLD MEDALs

Date:17-Oct-2004
Calls: PH7AT<->WB4LHD
SMode: AO-7/ Mode-B
Report/Mode:---
locators: JO21WA<->EM55DB
Distance ~7408 km.

2) SILVER MEDALs

Date: 03-May-2005/22:49Z
Calls:PH7PCF<->KO4MA
SMode: AO-7/ Mode-B
RPT/Mode:---/SSB
locators: JO22JP <-> EL88PG
Distance ~7385 km.

3) BRONZE MEDALs

Date: 08-Jun-1976
Calls:i8CVS<->VA3AC
Smode:---
RPT/Mode: SSB
locators:JN70ES<->EN96LK

Distance ~7237 km
*CONFIRMED with QSL card
==========

4)
Date:26-Aug-2006/12:33Z
Calls: ES1RF<->AJ9K
Smode:---
RPT/Mode: 559/559 CW
locators:KO29IF<>EN53FA
Distance ~7155 km

*** New entry [UPDATE 30-Jan-2007]
5)
Date:21-Nov-2006
Calls: EB3JT<->AJ9K
SMode: AO-7/ Mode-B
RTT/Mode:---
locators: JN01UI<->EN53EB
Distance ~7114 km.

6)
Date: unknown
Calls: YL2LW<-> K8DID
Smode:AO-7/Mode-B
RPT/Mode:---
locators: KO26CW<->EN63SX
Distance ~7078 km.

*** New entry [UPDATE 30-Jan-2007]
7)
Date:19-Jan-2005/23:06Z
Calls:G1WPR<->KO4MA
Smode:---
RPT/Mode:---
locators: IO92OK<->EL88PG
Distance ~7027 km

*** New entry [UPDATE 30-Jan-2007]
8)
Date:24-Oct-2004/23:25
Calls: G4YSG<->KO4MA
Smode:---
RPT/Mode:---
locators: IO93II<->EL88PG
Distance ~6973km

*** New entry [UPDATE 30-Jan-2007]
9)
Date:02-Jan-2003
Calls: DC8TS<->KB2M
Smode:---

RPT/Mode:---
locators:JO30JP<->FM29
Distance ~6315

10)
Date: 28/1/2007
Calls: LA2QAA<->AJ9K
Smode: ---
RPT/Mode:---
locators:JP33WB <->EN53FA
Distance ~5469 km

==========

.....to be continued !

==========end of message==========

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000708-1, 29/01/2007
Tested on: 31/1/2007 7:27:04 ??
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

608. Re: Distance record.

Yahoo group: eu-amsat
Date: 2007-01-31 08:40:39 UTC
From: John Hackett
Topic: 607 Message: 608

Hello Mak,
I hope you do make a list encompassing *ALL* satellites.

I can contribute with LA to ZL on AO-13.

LA to JA on FO-20 ...

(both believed to be records for these satellites) ... using 100% home brew equipment

(except for the coax and connectors) ... I had to buy! those.

ZL is the antipode of LA so you can't get much further than that via a satelllite until somebody activates a repeater on the moon ... which, as you know, some people still call Oscar 1 so maybe
I should state that I used an OSCAR class station *NOT* an EME class station.

Really, it was just a case of being in the right place at the right time on the right orbit with the
right propagation ... a monkey! could do it if you gave it enough bananas.

As you already know ... in those days my power never exceeded more than 3 watts from the rig.

These days I'm a *BIG GUN* with my 5 watts ... (which is adequate if one actually uses an aerial).

As you'll also know, I'm not a great fan of multimode rice boxes so the above is intended to illustrate that you *DON'T* have to be rich or have the latest "all-singing" "all-dancing" equipment to participate.

PS.

I do still have the QRP QSL's.

73 John. <la2qaa@...>

CC'd to the group.

609. Chat-room is OK

Yahoo group: eu-amsat
Date: 2007-01-31 09:12:30 UTC
From: SV1BSX
Topic: 609 Message: 609

Hello,

the "Chat-room" working perfect now. Like the previous ON4KST's chatroom is usually... empty-without users, but is always open, 24 hours - every day and will be open for the next ....100 years (in contrast with ON4KST's chatroom) !

I would like to write just a few tips:

This appication running under JVM (Java-Virtual-Machine), it needs
IE (Internet Explorer) version 5.05 or newer.
Under FireFox we had some problems, but now is OK.
You need a broandbad connection for good operation. I tested also with
DialUp connection (56Kb), seems to be OK but I don't know what happens in case which
the users are too many. May be the delay is too big.
I tested also with Windows98SE and IE 6 without problems.

XP-Windows they have NOT Java application as default with IE, but you can
download this add-on from Internet for free. If your PC with XP running for a
long time, 99% you have downloaded already the Java-machine, is absolutely
necessary for several Web pages.

So, just try to login into our chatroom. You do not need password and please,
type your callsign and your name (ie SV1BSX Mak).

If you have the JVM alredy under your IE, then probably you will enter into
chat-room without problem. DO NOT register your call, it is not necessary.
Just type your call & name into CONNECT-field and press ENTER.
After that, wait a few seconds to LOAD the JAVA. A new window will appear
on your screen with message:

YOU HAVE JOINED the EU-AMSAT Group
Welcome to our live chat.

If you received that, you are OK. You have 100% syccessful LOGIN and
you can type into "yellow field" your messages in order to post these into
Chat-room.

If you want to prevent the advertising, "Click-ON" the BUTTON with 4 small
arrows (FLOAT Screen), This way you have "FullScreen" without advertisements
into your screen (recommended).

The chat room is very nice. It has SOUNDs in order to
ALARMing other users (if sleeping !), it has Smileys- funny faces, BOLD
Fonts, you can change Colors in your Fonts, Private-chatroom between 2 users
and many-many other Goodies ! Try it! It's very FUN !

Now, If you can NOT connect, probably you need to install the JVM or you
have some other problem.

With FireFox is simplest. Follow just the same method... if your FireFox needs the JVM it can be download it easily as requested ADD-ON program.

In case you have still problems with LOGIN, let me know.

The URL of chatroom is:

http://sv1bsx.50webs.com/satchat.html

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

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---
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Tested on: 31/1/2007 11:12:58 ΏΗ
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610. ADXOA _ Annual ODX Award

Yahoo group: eu-amsat
Date: 2007-02-01 01:16:46 UTC
From: nader omer
Topic: 610 Message: 610

Hello Mak

Yes it is a nice idea to have award of ODX

An award can be given every year (ADXOA _ Annual ODX Award) to the 3 top dx qsos (6 hams) , so every year we will have an award to work for it .
I think this will increase the activity among the old and new hams
We can retrograde calculate the top ranks of the previous years and issue and ADXOA for them
let us start work for the new 2007 ADXOA
73 de Nader ? ST2NH

Have a burning question? Go to Yahoo! Answers and get answers from real people who know.

611. QSL cards & locators

Yahoo group: eu-amsat
Date: 2007-02-01 08:00:45 UTC
From: SV1BSX
Topic: 611 Message: 611

A US-friend asked me:

-"I have the QSL cards for the QSOs but the grid locator values are not shown on them, just the cities. Are they valid or not?"

I need your help here... what is the correct answer?

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000709-1, 31/01/2007
Tested on: 1/2/2007 10:01:36 ΩΉ
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http://www.avast.com

612. Re: [eu-amsat] ADXOA _ Annual ODX Award

Yahoo group: eu-amsat
Date: 2007-02-01 08:01:04 UTC
From: SV1BSX
Topic: 610 Message: 612

Hello Nader,

Brilliant! you suggestion is excellent, indeed !
This way we have no problem.

OK, now lets go for the "ADXOA 2007" !

73, Mak SV1BSX

----- Original Message -----
From: nader omer
To: eu-amsat@yahoogroups.com
Sent: Thursday, February 01, 2007 3:16 AM
Subject: [eu-amsat] ADXOA _ Annual ODX Award

Hello Mak

Yes it is a nice idea to have award of ODX

An award can be given every year (ADXOA _ Annual ODX Award) to the 3
top dx qsos (6 hams) , so every year we will have an award to work for it
.
I think this will increase the activity among the old and new hams
We can retrograde calculate the top ranks of the previous years and issue
and ADXOA for them
let us start work for the new 2007 ADXOA
73 de Nader - ST2NH

Have a burning question? Go to Yahoo! Answers and get answers from real
people who know.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000709-1, 31/01/2007
Tested on: 1/2/2007 10:01:42 ??
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http://www.avast.com

613. Re: [eu-amsat] QSL cards & locators

Yahoo group: eu-amsat
Date: 2007-02-01 11:05:17 UTC
From: Gennadi Klevtsov
Topic: 611 Message: 613

Hello Makis and the group,

My opinion, to competite for the best ODX via satellite
every QSO should be confirmed by exact QRA locator, 6 symbols.

Some towns, like Moscow, for example, have about 45-50 km
from one end to another, but all stations in KO85 field...
But competition is for ODX, not VUCC award!

Otherwise, every chaser for annual award must to confirm
exact qra-locator with additional information for the callsign
from a good source (QRZ or RAC callbook).

73! Gennadi
ES1RF/ES3RF

Thursday, February 1, 2007, 10:00:45 AM, you wrote:

>
> A US-friend asked me:
>
>
>
> -"I have the QSL cards for the QSOs but the grid locator values are not shown
>
> on them, just the cities. Are they valid or not?"
>
>
>
> I need your help here... what is the correct answer?
>
>
>
> 73, Mak SV1BSX
>
>
>

614. Re: [eu-amsat] QSL cards & locators

Yahoo group: eu-amsat
Date: 2007-02-01 14:06:18 UTC
From: SV1BSX
Topic: 611 Message: 614

Hi Genna & Group,

I agree with you but the problem is a bit complex sometimes. For example, several QSL-cards havn't printed Locator. So, if somebody received a similar card and unfortunately (for him !) this card is for confirmation of a super-duper DX,
this guy definitely is not blameworthy because the other operator has incomplete QSL card.... !

So, we need some basic rules in AODXA for a fair competition.
Yes, definitely we need a 6 digit Locator . I agree.
But in case where this 6-digit Locator is NOT printed onto QSL card, what should be acceptable for the Award?

The "printed City" on QSL-card? QRZ? CBA? something else?

I think it is necessary to create now the Rules in order to prevent later possible mistakes, at this point. As the "longest distance" parameter is major for the ODX , a correct, clear and valid regulation is very important.

Another similar problem is about the "printed" Satellite.
The majority of QSL-cards havn't a Blank-field in order to write the name of Satellite. OK, usually is obvious that from FREQuency-field , ie 145/432 MHz.

But if the card has only the Uplink (432 MHz) or Downlink (145 or 29 MHz),
without the name of Satellite, this QSL could be acceptable?
(I wonder because I've already received this kind of card !)

I'm waiting for your opinions/suggestions.

73, Mak SV1BSX

----- Original Message -----
From: Gennadi Klevtsov
To: SV1BSX
Sent: Thursday, February 01, 2007 1:05 PM
Subject: Re: [eu-amsat] QSL cards & locators

Hello Makis and the group,

My opinion, to competite for the best ODX via satellite
every QSO should be confirmed by exact QRA locator, 6 symbols.

Some towns, like Moscow, for example, have about 45-50 km
from one end to another, but all stations in KO85 field...

But competition is for ODX, not VUCC award!

Otherwise, every chaser for annual award must to confirm
exact qra-locator with additional information for the callsign
from a good source (QRZ or RAC callbook).

73! Gennadi
ES1RF/ES3RF

Thursday, February 1, 2007, 10:00:45 AM, you wrote:

>
> A US-friend asked me:
>
>
>
> -"I have the QSL cards for the QSOs but the grid locator values are not
shown
>
> on them, just the cities. Are they valid or not?"
>
>
>
> I need your help here... what is the correct answer?
>
>
>
> 73, Mak SV1BSX
>
>
>

Yahoo! Groups Links

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000709-1, 31/01/2007
Tested on: 1/2/2007 4:07:23 ??
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615. AO-27 timer-drift

Yahoo group: eu-amsat
Date: 2007-02-01 15:09:41 UTC
From: SV1BSX
Topic: 615 Message: 615

Hi all,

today I was listening 2 orbits of AO-27. The first (#69.611) was over S.Arabia.
Note: the Satellite it could be active around ~12.40Z, but at this time I heard
with surprise the ended packet-sound ! Precisely at 12.41Z was "OFF".

It was strange for me but I was not 100% sure if my PC-time drifted, or if my
Kepls was good enough.

In the next orbit (#69612) the AO-27 it came from my South (Africa) and yes, now
it was obvious the time-drifting. At 14.15Z over South Libya, the repeater was
unexpectedly "ON"... !
I called 2-3 times CQ Sat but the jamming from Arabian stations was too heavy.
After 1-2 mins, IZ1GZA answered to my CQ, but I had problem with my access
on Satellite, due to Arabian-QRM and the QSO not completed.
However I confirmed that, AO-27's close-down was for 2nd time too early,
precisely over Italy !

I checked my PC with another, nothing wrong with clock & Kepls. Definitely the AO-27
has a drift on his timer, and now is "ON" about 5 mins earlier than normal
(maybe IZ1GZA can be confirm this event as 2nd witness) .

73, Mak SV1BSX

sv1bsx@...
http://www.qsl.net/sv1bsx

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
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Tested on: 1/2/2007 5:09:49 ΉΗ
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http://www.avast.com

616. AMSAT groups donate 40,000 Euros to P3E

Yahoo group: eu-amsat
Date: 2007-02-07 17:09:59 UTC
From: Thomas Frey
Topic: 616 Message: 616

AMSAT-NA and AMSAT-UK are to donate a total of 40,000 Euros to AMSAT-DL for the purpose of funding the P3E satellite program - considered vital to the amateur radio space community.

Read more @
http://www.southgatearc.org/news/february2007/amsat_groups_p3e_donation.htm

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

617. VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-21 19:30:01 UTC
From: Tony Gallagher
Topic: 617 Message: 617

Hi,
Im new to the amateur satelite so please forgive me if this has been asked before!!! :)
Im using a 847 and have tried to work a few sats including vo52

This is how mine is set up rx 145.870 usb and tx 435.22lsb
I have it tracked so when i change my rx the tx also changes.
I can here the qso's on the sat but not myself.
Ive also tried the inverse track rx on 145.870usb and tx 435.28lb

What am I doing wrong??!!!

Thanks a million for any pointers!

73's

EI4GHB

618. Re: [eu-amsat] VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-21 20:20:37 UTC
From: Thomas Frey
Topic: 617 Message: 618

Tony Gallagher schrieb:
> Hi,
> Im new to the amateur satelite so please forgive me if this has been
> asked before!!! :)
> Im using a 847 and have tried to work a few sats including vo52
>
> This is how mine is set up rx 145.870 usb and tx 435.22lsb
> I have it tracked so when i change my rx the tx also changes.
> I can here the qso's on the sat but not myself.
> Ive also tried the inverse track rx on 145.870usb and tx 435.28lb
>
> What am I doing wrong??!!!
>
> Thanks a million for any pointers!
>
> 73's
>
> EI4GHB
>
>
>
>
>
>
Hello Tony

VO-52 has a GIGO-Transponder. This means "what is Going In is what
is Going Out". If you send in USB you will receive in USB, the same
in LSB and FM. But FM is forbidden. If you calculate also with Doppler,
you are doing all right.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

619. Re: [eu-amsat] VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-21 21:17:34 UTC
From: Andrew Glasbrenner
Topic: 617 Message: 619

I think you'll find VO-52 is an inverting transponder....While Tony has the upper and low sideband parts correct, The freqs he mention do not line up. Best bet is to start in the middle of the passband with the vfos unlocked and tune the tx until you can hear yourself....

?

73, Drew KO4MA

-----Original Message-----
From: Thomas Frey
Sent: Feb 21, 2007 3:20 PM
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] VO52 and others...

Tony Gallagher schrieb:
> Hi,
> Im new to the amateur satelite so please forgive me if this has been
> asked before!!! :)
> Im using a 847 and have tried to work a few sats including vo52
>
> This is how mine is set up rx 145.870 usb and tx 435.22lsb
> I have it tracked so when i change my rx the tx also changes.
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> Ive also tried the inverse track rx on 145.870usb and tx 435.28lb
>
> What am I doing wrong??!!!
>
> Thanks a million for any pointers!
>
> 73's
>
> EI4GHB
>
>
>
>
>
>
Hello Tony

VO-52 has a GIGO-Transponder. This means "what is Going In is what is Going Out". If you send in USB you will receive in USB, the same in LSB and FM. But FM is forbidden. If you calculate also with Doppler, you are doing all right.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

620. Re: VO52.

Yahoo group: eu-amsat
Date: 2007-02-21 23:00:19 UTC
From: John Hackett
Topic: 617 Message: 620

Gentlemen!,
In particular EI4GHB and HB9SKA.

I think you'll find that VO-52 is an INVERTING transponder. That is to say,
if you transmit on LSB you will receive on USB ...

NOT as Thomas HB9SKA suggests ...

>VO-52 has a GIGO-Transponder. This means "what is Going In is what is Going
>Out". If you send in USB you will receive in USB

73 John. <la2qaa@...>
.....
.....

>From: Thomas Frey <th.frey@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] VO52 and others...
>Date: Wed, 21 Feb:20:37 +0100
>
>Tony Gallagher schrieb:
> > Hi,
> > Im new to the amateur satelite so please forgive me if this has been
> > asked before!!! :)
> > Im using a 847 and have tried to work a few sats including vo52
> >
> > This is how mine is set up rx 145.870 usb and tx 435.22lsb
> > I have it tracked so when i change my rx the tx also changes.
> > I can here the qso's on the sat but not myself.
> > Ive also tried the inverse track rx on 145.870usb and tx 435.28lb
> >
> > What am I doing wrong??!!!
> >
> > Thanks a million for any pointers!
> >
> > 73's
> >
> > EI4GHB
> >
> >
> >
> >
> >
> >
>Hello Tony

>
>VO-52 has a GIGO-Transponder. This means "what is Going In is what
>is Going Out". If you send in USB you will receive in USB, the same
>in LSB and FM. But FM is forbidden. If you calculate also with Doppler,
>you are doing all right.
>
>
>
>Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
>_____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax:
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
>

621. Re: [eu-amsat] Re: VO52.

Yahoo group: eu-amsat
Date: 2007-02-22 00:54:50 UTC
From: Thomas Frey
Topic: 617 Message: 621

John Hackett schrieb:
> Gentlemen!,
> In particular EI4GHB and HB9SKA.
>
> I think you'll find that VO-52 is an INVERTING transponder. That is to say,
> if you transmit on LSB you will receive on USB ...
>
> *NOT* as Thomas HB9SKA suggests ...
>
>
>> VO-52 has a GIGO-Transponder. This means "what is Going In is what is Going
>> Out". If you send in USB you will receive in USB
>>
>
> 73 John. <la2qaa@...>
>
>
Hello John

I am confused now. I have the info about the GIGO principle. It is
also possible, to send in FM over VO-52, but for lineartransponders
not "allowed" in general. Can you explain me the Indian Transponder
please ?

For my excuse, I was never active over VO-52. I have the wrong
polarisation for my 2m X-Yagi.

Thanks and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

622. Re: [eu-amsat] Re: VO52.

Yahoo group: eu-amsat
Date: 2007-02-22 01:13:42 UTC
From: SV1BSX
Topic: 617 Message: 622

...definitely VO-52 has "Inverted" transponder! 100% sure about that. LSB-Uplink / USB-Downlink.

Well Tony, as an "old-fashion Ham" I don't know about new "top-models" transceivers. But I can work very well the Satellites with simple transceivers, manually. For VO-52 I suggest you:

tune your RX at 145.900 USB without "tracking" to TX (this is the "middle" of VO-52 Downlink passband). The "correspondense" Uplink frequency to 145.900 USB is 435.250 LSB.

BUT:
1)because we have the "DOPPLER effect", when VO-52 rising (AOS) you must be tuned your TX around 435.240 LSB, that means -10KHz lower of 435.250 MHz.

2)During Satellite moving between AOS-TCA, is necessary to increase your UpLink frequency from 435.240 upto 435.250, in order to be able to hear your voice in DownLink (145.900 USB) clear enough.

3)Precisely at TCA the Doppler is 0 (Zero), so at this point (only) we have equation between Upnlink-Downlink without frequency-drifting due to Doppler effect. That means 435.250 Up (LSB) / 145.900 (USB)Downlink.

4)Between TCA-LOS it's just the opposite. Now you must increasing your Uplink upto +10 KHz close to LOS. Begigning from 435.250 LSB at TCA, your Uplink must be increasing upto 435.260 (near to LOS) always trying to hear your voice into 145.900 USB clear enough.

This is a simple "manual" technique in order to operate the bird.
But keep in mind, VO-52 is difficult Satellite due to low height from Earth surface. That means very fast Doppler (especially close to TCA) and in any case it is not the easiest Satellite for "newcomers".

Good Luck with VO-52

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Gentlemen!,
> In particular EI4GHB and HB9SKA.
>
> I think you'll find that VO-52 is an INVERTING
> transponder. That is to say,
> if you transmit on LSB you will receive on USB ...
>
> *NOT* as Thomas HB9SKA suggests ...
>
> >VO-52 has a GIGO-Transponder. This means "what is
> Going In is what is Going
> >Out". If you send in USB you will receive in USB
>
> 73 John. <la2qaa@...>
>
.....
.....
>
>
>
> >From: Thomas Frey <th.frey@...>
> >Reply-To: eu-amsat@yahoogroups.com
> >To: eu-amsat@yahoogroups.com
> >Subject: Re: [eu-amsat] VO52 and others...
> >Date: Wed, 21 Feb:20:37 +0100
> >
> >Tony Gallagher schrieb:
> > > Hi,
> > > Im new to the amateur satelite so please forgive
> me if this has been
> > > asked before!!! :)
> > > Im using a 847 and have tried to work a few sats
> including vo52
> > >
> > > This is how mine is set up rx 145.870 usb and tx
> 435.22lsb
> > > I have it tracked so when i change my rx the tx
> also changes.
> > > I can here the qso's on the sat but not myself.
> > > Ive also tried the inverse track rx on
> 145.870usb and tx 435.28lb
> > >
> > > What am I doing wrong??!!!
> > >
> > > Thanks a million for any pointers!
> > >
> > > 73's
> > >
> > > EI4GHB
> > >
> > >

> > >
> > >
> > >
> > >
> >Hello Tony
> >
> >VO-52 has a GIGO-Transponder. This means "what is
> Going In is what
> >is Going Out". If you send in USB you will receive
> in USB, the same
> >in LSB and FM. But FM is forbidden. If you
> calculate also with Doppler,
> >you are doing all right.
> >
> >
> >
> >Mit freundlichen Gr?ssen, Regards, 73
> > Thomas Frey, HB9SKA
>
>_____
> >
> > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. +
> Fax:
> >
> http://home.datacomm.ch/th.frey/
> > Packet Radio (AX.25): HB9SKA @
> HB9PD.CHE.EU
> >
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>
>
> Yahoo! Groups - Join or create groups, clubs, forums
> & communities. Links
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>
>
> http://docs.yahoo.com/info/terms/
>
>

_____
We won't tell. Get more on shows you hate to love
(and love to hate): Yahoo! TV's Guilty Pleasures list.
http://tv.yahoo.com/collections/265

623. Re: [eu-amsat] Re: VO52.

Yahoo group: eu-amsat
Date: 2007-02-22 01:55:36 UTC
From: John Hackett
Topic: 617 Message: 623

Hello Thomas,
Here is the pertinent information on the linear
transponders of VO-52 aka Hamsat.

Mode U/V (B) Linear Transponder (Inverting): Operational
Uplink: 435.2200 - 435.2800 MHz SSB/CW
Downlink 145.8700 - 145.9300 MHz SSB/CW

Mode U Beacon: Operational
Simplex: 145.8600 MHz CW

Mode U Beacon: Non-Operational
Simplex: 145.9360 MHz Carrier

When you hear the CW beacon it is William's PE1RAH Dutch transponder that is
operational.
When you hear the carrier only, it is the Indian ISRO transponder that is
operational.

As you correctly summise, FM is a *VERY* inneficient satellite mode with
it's "capture effect" and "mine's bigger than yours!" effect and
consequently does *NOT* encourage good operating proceedure on a satellite.
As you correctly state, it is to be frowned upon on a linear transponder.

It's easy to confuse VO-52 (LINEAR) with AO-51 which *IS* an FM transponder.

73 John.

624. Re: [eu-amsat] VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-22 07:10:39 UTC
From: Gennadi Klevtsov
Topic: 617 Message: 624

Hello Tony,

I'm also using FT-847 for satellite .
Here is my setup of satellites memories for FT-847

Satellite Mode TRACK Uplink Downlink

AO-7 A Nor 145.900 usb 29.450 usb
AO-7 B Rev 432.150 lsb 145.950 usb
VO-52 B Rev 435.250 lsb 145.900 usb
FO-29 J Rev 145.950 lsb 435.850 usb
AO-27 J Rev 145.850 FM 436.795 FM
AO-51 J Rev 145.920 FM 435.300 FM
SO-50 J Rev 145.850 FM 436.795 FM

Of course, there is a middle of satellites subbands
and you need to take in account the doppler shift every
time, when you tracking satellite.

May be this information could be useful for you.

73! Gennadi
ES1RF/ES3RF

Wednesday, February 21, 2007, 9:30:01 PM, you wrote:

> Hi,
> Im new to the amateur satelite so please forgive me if this has been
> asked before!!! :)
> Im using a 847 and have tried to work a few sats including vo52
>
> This is how mine is set up rx 145.870 usb and tx 435.22lsb
> I have it tracked so when i change my rx the tx also changes.
> I can here the qso's on the sat but not myself.
> Ive also tried the inverse track rx on 145.870usb and tx 435.28lb
>
> What am I doing wrong??!!!
>
> Thanks a million for any pointers!
>
> 73's
>
> EI4GHB
>
>
>
>

--
Best regards,
Gennadi mailto:genek@...

625. Re: VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-22 11:13:06 UTC
From: Tony Gallagher
Topic: 617 Message: 625

Thanks everyone for your advice.
Can I take it that these then are the currently active satelite that
I should be able to work?

AO-7 A Nor 145.900 usb 29.450 usb
AO-7 B Rev 432.150 lsb 145.950 usb
VO-52 B Rev 435.250 lsb 145.900 usb
FO-29 J Rev 145.950 lsb 435.850 usb
AO-27 J Rev 145.850 FM 436.795 FM
AO-51 J Rev 145.920 FM 435.300 FM
SO-50 J Rev 145.850 FM 436.795 FM

Thanks again all!

73's for now

EI4GHB

--- In eu-amsat@yahoogroups.com, Gennadi Klevtsov <genek@...> wrote:
>
> Hello Tony,
>
> I'm also using FT-847 for satellite .
> Here is my setup of satellites memories for FT-847
>
> Satellite Mode TRACK Uplink Downlink
>
> AO-7 A Nor 145.900 usb 29.450 usb
> AO-7 B Rev 432.150 lsb 145.950 usb
> VO-52 B Rev 435.250 lsb 145.900 usb
> FO-29 J Rev 145.950 lsb 435.850 usb
> AO-27 J Rev 145.850 FM 436.795 FM
> AO-51 J Rev 145.920 FM 435.300 FM
> SO-50 J Rev 145.850 FM 436.795 FM
>
> Of course, there is a middle of satellites subbands
> and you need to take in account the doppler shift every
> time, when you tracking satellite.
>
> May be this information could be useful for you.
>
> 73! Gennadi
> ES1RF/ES3RF
>
> Wednesday, February 21, 2007, 9:30:01 PM, you wrote:
>

>
> > Hi,
> > Im new to the amateur satelite so please forgive me if this has
been
> > asked before!!! :)
> > Im using a 847 and have tried to work a few sats including vo52
> >
> > This is how mine is set up rx 145.870 usb and tx 435.22lsb
> > I have it tracked so when i change my rx the tx also changes.
> > I can here the qso's on the sat but not myself.
> > Ive also tried the inverse track rx on 145.870usb and tx 435.28lb
> >
> > What am I doing wrong??!!!
> >
> > Thanks a million for any pointers!
> >
> > 73's
> >
> > EI4GHB
> >
> >
> >
> >
> --
> Best regards,
> Gennadi mailto:genek@...
>

626. Re: [eu-amsat] Re: VO52 and others...

Yahoo group: eu-amsat
Date: 2007-02-22 11:37:39 UTC
From: Gennadi Klevtsov
Topic: 617 Message: 626

Hello Tony,

Sure, all these analog satellites are active now
so you able to work.
Do not forget to add so called PL-tone (67Hz) to your transmitting (uplink)
signal for AO-51 and SO-50. This procedure is described in
Operating Manual of FT-847. Specially for SO-50, because look like
AO-51 now always open for any uplink! Otherwise you will not able to
open satellite!

Good luck and see you on satellites!

73! Gennadi
ES1RF/ES3RF

Thursday, February 22, 2007, 1:13:06 PM, you wrote:

>
>
>
>
>
> Thanks everyone for your advice.
> Can I take it that these then are the currently active satelite that
> I should be able to work?
>
> AO-7 A Nor 145.900 usb 29.450 usb
> AO-7 B Rev 432.150 lsb 145.950 usb
> VO-52 B Rev 435.250 lsb 145.900 usb
> FO-29 J Rev 145.950 lsb 435.850 usb
> AO-27 J Rev 145.850 FM 436.795 FM
> AO-51 J Rev 145.920 FM 435.300 FM
> SO-50 J Rev 145.850 FM 436.795 FM
>
> Thanks again all!
>
> 73's for now
>
> EI4GHB
>
> --- In eu-amsat@yahoogroups.com, Gennadi Klevtsov <genek@...> wrote:
>>
>> Hello Tony,
>>
>> I'm also using FT-847 for satellite .
>> Here is my setup of satellites memories for FT-847

```
>>
>> Satellite Mode TRACK Uplink Downlink
>>
>> AO-7 A Nor 145.900 usb 29.450 usb
>> AO-7 B Rev 432.150 lsb 145.950 usb
>> VO-52 B Rev 435.250 lsb 145.900 usb
>> FO-29 J Rev 145.950 lsb 435.850 usb
>> AO-27 J Rev 145.850 FM 436.795 FM
>> AO-51 J Rev 145.920 FM 435.300 FM
>> SO-50 J Rev 145.850 FM 436.795 FM
>>
>> Of course, there is a middle of satellites subbands
>> and you need to take in account the doppler shift every
>> time, when you tracking satellite.
>>
>> May be this information could be useful for you.
>>
>> 73! Gennadi
>> ES1RF/ES3RF
```

627. Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-22 12:33:10 UTC
From: Tony Gallagher
Topic: 627 Message: 627

Ok, one more question! Hope you dont mind!! :)
Im using a Moonraker co-linear, simialr to the Watson 300.
6db gain on 2meters and 9db on 70cms. Due to planning problems its in the attic. Not ideal! Also i undertand that a co-linear loose's the sats once theyre overhead,
Can anyone suggest a good dual band, (if possible), discret, non-tracking antenna? It'd be great if there was an ant i could use in my attic.

Thanks one more time!

73's

Tony

628. Memorandum of Understanding

Yahoo group: eu-amsat
Date: 2007-02-22 13:35:51 UTC
From: Thomas Frey
Topic: 628 Message: 628

Memorandum of Understanding
Geschrieben von Peter G?lzow
Sonntag, 18 Februar 2007

AMSAT-NA, AMSAT-UK und AMSAT-DL unterzeichneten im Februar 2007 ein gemeinsames "Memorandum of Understanding" um den Bau des AMSAT Phase 3-E Satelliten (P3-E) weiter voranzutreiben und auch die weitere internationale Unterst?tzung anzukurbeln.

Lese weiter unter
Read more at (The Memorandum itself is written in English)

http://www.amsat-dl.org//index.php?option=com_content&task=view&id=128&Itemid=99

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

629. Re: [eu-amsat] Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-22 23:08:34 UTC
From: SV1BSX
Topic: 627 Message: 629

Tony,

if you want a non-tracking antenna , the only
one that is good enough for Sats it's the QFH
(QuadriFilar Helix)antenna. The QFH is isotropic
antenna with Circular polarization (and a small Gain).

Disadvantages: this kind of antenna is compromise for
our LEOs, you don't expect something spectacular in
the receiving and definitely you need 2 antennas (V +
U). A LowNoise pre-amp helps for better performances.
Switching for Circular-polarity is NOT possible (is
made as RHCP or LHCP only, depending upon
the construction.)

Advantages: no rotator-elevator needed. The UHF-model
is very small and definitely easy to put it in your
attic. The QFH offers receiving 10-15 degr above the
horizon between AOS-LOS with minimal fading (including
the overhead pass).

73, Mak SV1BSX

--- Tony Gallagher <tony_g_ireland@...> wrote:

> Ok, one more question! Hope you dont mind!! :)
> Im using a Moonraker co-linear, simialr to the
> Watson 300.
> 6db gain on 2meters and 9db on 70cms. Due to
> planning problems its in
> the attic. Not ideal! Also i undertand that a
> co-linear loose's the
> sats once theyre overhead,
> Can anyone suggest a good dual band, (if possible),
> discret, non-
> tracking antenna? It'd be great if there was an ant
> i could use in my
> attic.
>
> Thanks one more time!
>
>
> 73's
>
> Tony
>

>
>
> ---------- Yahoo! Groups Sponsor
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630. Re: [eu-amsat] Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-23 00:17:41 UTC
From: Thomas Frey
Topic: 627 Message: 630

SV1BSX schrieb:
> Tony,
>
> if you want a non-tracking antenna , the only
> one that is good enough for Sats it's the QFH
> (QuadriFilar Helix)antenna. The QFH is isotropic
> antenna with Circular polarization (and a small Gain).
>
>
Hello Mak and Tony

An other solution is the Lindenblad Antenna. See at
http://www.amsat.org/amsat/articles/w6shp/lindy.html

> Disadvantages: this kind of antenna is compromise for
> our LEOs, you don't expect something spectacular in
> the receiving and definitely you need 2 antennas (V +
> U). A LowNoise pre-amp helps for better performances.
> Switching for Circular-polarity is NOT possible (is
> made as RHCP or LHCP only, depending upon
> the construction.)
>
> Advantages: no rotator-elevator needed. The UHF-model
> is very small and definitely easy to put it in your
> attic. The QFH offers receiving 10-15 degr above the
> horizon between AOS-LOS with minimal fading (including
> the overhead pass).
>
> 73, Mak SV1BSX
>
>
> --- Tony Gallagher <tony_g_ireland@...> wrote:
>
>
>> Ok, one more question! Hope you dont mind!! :)
>> Im using a Moonraker co-linear, simialr to the
>> Watson 300.
>> 6db gain on 2meters and 9db on 70cms. Due to
>> planning problems its in
>> the attic. Not ideal! Also i undertand that a
>> co-linear loose's the
>> sats once theyre overhead,
>> Can anyone suggest a good dual band, (if possible),
>> discret, non-
>> tracking antenna? It'd be great if there was an ant

>> i could use in my
>> attic.
>>
>> Thanks one more time!
>>
>>
>> 73's
>>
>> Tony
>>
>>
>>
>>
I hope, I could help now ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

631. Re: [eu-amsat] Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-23 08:00:07 UTC
From: pcalvi@bluewin.ch
Topic: 627 Message: 631

Hello everybody!

I must admit that years ago I had quite decent results with simple antennas (1/4 wave homemade GP with only one radial - some may remember the "boomerang" CB antenna of yesteryear) both for the uplink and the downlink. A simple antenna with a preamp grants a LOT of traffic, especially with loud birds such as VO52.

I have just ordered a pair of big wheel antennas for 144 and 432 and will install them shortly. I will report on results.

73 Piero HB9DSU

632. Re: Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-23 09:37:39 UTC
From: Tony Gallagher
Topic: 627 Message: 632

Where can the QuadriFilar Helix be found? The only ones I can see on google are 137mhz or military sepc.

Thanks

Tony
ei4ghb

633. Re: [eu-amsat] Re: Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-23 10:29:05 UTC
From: Thomas Frey
Topic: 627 Message: 633

Tony Gallagher schrieb:
> Where can the QuadriFilar Helix be found? The only ones I can see on
> google are 137mhz or military sepc.
>
> Thanks
>
> Tony
> ei4ghb
>
>
>
>
I have googeld the following sites:

http://www.astrosurf.com/luxorion/qsl-satellites-reception.htm
http://perso.wanadoo.es/dimoni/ant_qha.htm
http://www.arrl.org/catalog/7369/toc.html

There are much more if you google with 'Quadrifilar Helix ham'

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

634. Re: [eu-amsat] Re: Antenna advice??

Yahoo group: eu-amsat
Date: 2007-02-23 11:08:02 UTC
From: Jean-Jacques DE REY
Topic: 627 Message: 634

Hi Tony,

take a look at

http://www.jcoppens.com/ant/qfh/fotos1.en.php

I built 2 QFH's for 146MHz according to John's formula and they are working vy well ! Also the 137 Mhz off course ;o)

73s

Jean-Jacques DE REY - ON7EQ
Tuinbouwstr 4A
B-8020 Oostkamp
BELGIUM

Grid loc JO11oc
Tel / GSM +32 475 66 55 36
Mail : j.derey@...
Web : http://www.on7eq.com
APRS webserver : http://on7eq.homeip.net
APRS SatGate : http://on7eq.shacknet.nu
NOAA wxsats : http://wxsat.shacknet.nu:443/
FTP site : ftp://on7eq.homeip.net

----- Original Message -----
From: Tony Gallagher
To: eu-amsat@yahoogroups.com
Sent: Friday, February 23, 2007 10:37 AM
Subject: [eu-amsat] Re: Antenna advice??

Where can the QuadriFilar Helix be found? The only ones I can see on google are 137mhz or military sepc.

Thanks

Tony
ei4ghb

635. About VO-52

Yahoo group: eu-amsat
Date: 2007-02-23 12:33:55 UTC
From: William Leijenaar
Topic: 635 Message: 635

Hi AMSATs,

The HAMSAT (VO-52) has two inverting transponders, and this is for sure as I designed one of them myself haha...

Unfortunatly for long time I didn't worked any satellites, including the HAMSAT.
I seen that someone mentioned that the 145.860MHz beacon is on. This is the frequency of my transponder beacon, what suggests that ISRO switched on my transponder again ???

As my station is not capable of working the satellites for now (HAM computer crash, need to repair antennas from last storm etc) I like to hear from the current available satellite hams how HAMSAT is doing and if my transponder is on again ??

The bad thing is that I have to little time to get my station on air again (only free time in evenings) but a good thing is that I have done lot of work in a new transponder design. In short time I will show some results on this project, what is a small sized MODE-UV transponder design (30kHz Bandwidth) that I want to sell for interrested hams, clubs, balloon projects, or satellite projects.
This to make linear transponders more easy available, and with this action to get more linear transponders in future (balloon, satellite) projects. A soon follow up will be a version with 29MHz as the input or output frequency, and versions with smaller bandwidth etc...

Has anyone also new about P3e ?
After I delivered my MODE-UV transponder in Marburg I didn't hear any news from AMSAT-DL for long long time. Will it ever be launched ??? and will Mode-UV be available ????

73 de William PE1RAH

_____
Live Search, for accurate results! http://www.live.nl

636. Re: [eu-amsat] About VO-52

Yahoo group: eu-amsat
Date: 2007-02-23 13:11:57 UTC
From: Thomas Frey
Topic: 635 Message: 636

William Leijenaar schrieb:
>
> Has anyone also new about P3e ?
>
Hello William

I made several postings here in the group. See messages 628, 616,
596, 595 and 594 at
http://groups.yahoo.com/group/eu-amsat/msearch?query=Thomas+Frey

The postings will be continued.

> After I delivered my MODE-UV transponder in Marburg I didn't hear any news
> from AMSAT-DL for long long time. Will it ever be launched ??? and will
> Mode-UV be available ????
>
I have nothing heard about your transponder. If you put the question
to Peter, DB2OS, he will answer it.

> 73 de William PE1RAH
> ---
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

637. QFH homebrewing

Yahoo group: eu-amsat
Date: 2007-02-23 22:09:13 UTC
From: Makis
Topic: 637 Message: 637

Hello,

for anyone interested about QFH, I have added on ANTENNAS folder a very good article from QST, by W3KH. It is the most informative discription that I have ever found, with very good explanation about these antennas and
100% correct theoretical background (in contrast with other aricles, Web-pages etc where usually the discription is NOT correct).

http://groups.yahoo.com/group/eu-amsat/files/Antennas/QFH%20antennas/

Sorry if the PDF-file is not clear enough, but I have only this copy.

I have also another excellent article in PDF about UHF QFH-model from Radio-Rivista, by i8CVS. Unfortunately this file is not in English but in Italic-language.
Anyway, I will upload it also ASAP.

73, Mak SV1BSX

638. KUWAIT on SATs

Yahoo group: eu-amsat
Date: 2007-02-27 00:05:38 UTC
From: Makis
Topic: 638 Message: 638

Hi,

yesterday morning I had a QSO with 9K2YM on FO-29 (12:07 UTC), "new one" for me on SATs. Just keep in mind, he is active during the last days.
I met him during FO-29's pass over W.Asia. I also noticed that, probably he has some problems with Doppler-correction (as newcomer?), however he has "large ears". Just looking for him 1-2 KHz up or down during the QSO! (Happily for me, the FO-29 was without traffic).

Good luck

73, Mak SV1BSX

639. P3E News Q1 2007

Yahoo group: eu-amsat
Date: 2007-03-06 13:40:07 UTC
From: Thomas Frey
Topic: 639 Message: 639

Erst in Deutsch, dann in Englisch
First in German, then in English

AMSAT Gipfeltreffen

Am Wochenende 13./14. Januar 2007 trafen sich ranghohe Vertreter der
AMSAT-NA aus USA, der AMSAT-UK aus England und der AMSAT-DL in den
R?umen des ZEL in Marburg an der Lahn.
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=122&Itemid=99

AMSAT Summit

On the week-end 13th/14th of January, 2007 high-ranking representatives
of the AMSAT-NA from the USA, the AMSAT-UK from England and the AMSAT-DL
met in the rooms of the ZEL in Marburg an der Lahn, Germany.

Der Kabelbaum f?r P3E

Im Herbst 2006 konnten die letzten entscheidenden Fragen rund um die
Verkabelung der 15 verschiedenen Module im neuen P3E-Satelliten gekl?rt
werden.

The cable harness for P3E

In autumn 2006 the last determining questions could all around them
Wiring of 15 different modules in the new P3E satellite cleared
become.

(addon)
Until end of February 2007 the already completed harness should be
mounted into the satellite structure and soldered to each connector.
Then the integration of the modules can start.

Weiteres Treffen legt Rahmen f?r den P3E-Softwaretransponder fest
---
Am Wochenende des 27./28. Januar trafen sich Mitarbeiter des P3E-Teams
mit dem SDX-Team in Marburg, um die weiteren Rahmenbedingungen und
Schnittstellen f?r den softwaredefinierten Transponder festzulegen.

Other meeting fixes frame for the P3E-Softwaretransponder

On the week-end 27th/28th of January employees of the P3E team to met
with the SDX team in Marburg, around the other basic conditions and
interfaces to fix for the software-defined Transponder.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org - http://www.p3e-satellite.org/

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

640. My new transponder design

Yahoo group: eu-amsat
Date: 2007-03-06 21:42:30 UTC
From: William Leijenaar
Topic: 640 Message: 640

Hi AMSATs,

Due to my qrl I am not qrv anymore on the satellites, just because I will fall asleep when I have to wait for another pass to come hahaha... On the other hand I still have some few hours left dayly, so I used these hours to design a new transponder hihi...

My goal this time was not a satellite design, but a design that can be used in general, think off terresterial, balloon, but ofcourse satellite use is also welcome :o)

At the moment I already have one device working, and it performs very well like its prototype...
I am still doing tests with it because I can use the data for improving it when needed.

In a short rush I made a small website for people who are interrested.
Just have a look at:

www.qsl.net/pe1rah/LE002.htm

Have a nice day and happy satellite hunting,

73 de William PE1RAH

_____
Play online games with your friends with Messenger
http://www.join.msn.com/messenger/overview

641. RE: [eu-amsat] P3E News Q1 2007

Yahoo group: eu-amsat
Date: 2007-03-07 08:16:31 UTC
From: pcalvi@bluewin.ch
Topic: 639 Message: 641

Thomas,

this is fantastic! First news we get about P3E in a looong time!

You could perhaps post them onto the AMSAT BB as well.

Very useful, thank you very much!

Piero HB9DSU

----Message d'origine----

De: th.frey@...

Date: 06.03.2007 14:40

À: "EU-Amsat"<eu-amsat@yahoogroups.com>

Objet: [eu-amsat] P3E News Q1 2007

Erst in Deutsch, dann in Englisch

First in German, then in English

AMSAT Gipfeltreffen

Am Wochenende 13./14. Januar 2007 trafen sich ranghohe Vertreter der

AMSAT-NA aus USA, der AMSAT-UK aus England und der AMSAT-DL in den

Räumen des ZEL in Marburg an der Lahn.

http://www.amsat-dl.org//index.php?option=com_content&task=view&id=122&Itemid=99

AMSAT Summit

On the week-end 13th/14th of January, 2007 high-ranking representatives

of the AMSAT-NA from the USA, the AMSAT-UK from England and the AMSAT-DL

met in the rooms of the ZEL in Marburg an der Lahn, Germany.

Der Kabelbaum für P3E

Im Herbst 2006 konnten die letzten entscheidenden Fragen rund um die

Verkabelung der 15 verschiedenen Module im neuen P3E-Satelliten geklärt werden.

The cable harness for P3E

In autumn 2006 the last determining questions could all around them Wiring of 15 different modules in the new P3E satellite cleared become.

(addon)

Until end of February 2007 the already completed harness should be mounted into the satellite structure and soldered to each connector. Then the integration of the modules can start.

Weiteres Treffen legt Rahmen für den P3E-Softwaretransponder fest

---

Am Wochenende des 27./28. Januar trafen sich Mitarbeiter des P3E-Teams mit dem SDX-Team in Marburg, um die weiteren Rahmenbedingungen und Schnittstellen für den softwaredefinierten Transponder festzulegen.

Other meeting fixes frame for the P3E-Softwaretransponder

On the week-end 27th/28th of January employees of the P3E team to met with the SDX team in Marburg, around the other basic conditions and interfaces to fix for the software-defined Transponder.

Wird fortgesetzt...

Will be continued...

Siehe auch / See also:

http://www.amsat-dl.org - http://www.p3e-satellite.org/

Mit freundlichen Grüssen, Best Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

-->

642. Re: [eu-amsat] P3E News Q1 2007

Yahoo group: eu-amsat
Date: 2007-03-07 17:15:42 UTC
From: Thomas Frey
Topic: 639 Message: 642

pcalvi@... schrieb:
>
>
> Thomas,
>
> this is fantastic! First news we get about P3E in a looong time!
Hello Piero

Really, so looong ? :-) Look here:
http://www.uk.amsat.org/index.php?option=com_content&task=view&id=380&Itemid=68

In this group you can find also my past postings about P3E.

73 Ciao
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

643. Re: Distance.

Yahoo group: eu-amsat
Date: 2007-03-09 11:40:57 UTC
From: John Alan Hackett.
Topic: 643 Message: 643

Hello Chaps,
When I instigated the "distance on AO-7" suggestion to Mak
I had used a hotel location + distance program I'd found on the Internet.

However, out of interest, I just tried DK3VN's Maidenhead Grid Square
Conversion & Distance Calculator.

It turns out that the distances between two particular locators is
over 1000 km !! more using this program than the program I originally
used.

However, so as not to confuse the issue, I'll leave my original claims
as they are ... (in fact 1000km shorter than they actually were) ...
but be aware ... (Mak, note this) ... for validiting "awards"
everybody should use the same calculator program.

73 John. <la2qaa@...>

644. Re: [eu-amsat] Re: Distance.

Yahoo group: eu-amsat
Date: 2007-03-09 14:42:41 UTC
From: Thomas Frey
Topic: 643 Message: 644

John Alan Hackett. schrieb:
> Hello Chaps,
> When I instigated the "distance on AO-7" suggestion to Mak
> I had used a hotel location + distance program I'd found on the Internet.
>
> However, out of interest, I just tried DK3VN's Maidenhead Grid Square
> Conversion & Distance Calculator.
>
> It turns out that the distances between two particular locators is
> over 1000 km !! more using this program than the program I originally
> used.
>
>
Hi John

What do you like to calculate ? The distance between 2 OPs on earth or
via satellite ? If via satellite you have to calculate with the Range.
Add your Range to AO-7 with them of your QSO-partner, then you have the
distance your signal is going thrugh AO-7. Right ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

645. Re: [eu-amsat] Re: Distance.

Yahoo group: eu-amsat
Date: 2007-03-09 15:07:31 UTC
From: John Hackett
Topic: 643 Message: 645

Thomas,
Of course !!!! ... (God!, I'm STUPID !!!) ... no wonder !!! my
distances were more than a thousand kilometers less than everybody elses.
This changes things dramatically !!.

Thanks Thomas. I'm glad somebody! is awake ... ha-ha-ha.

I'll revise my submissions.

73 John. <la2qaa@...>
.....
.....

>Hi John
>
>What do you like to calculate ? The distance between 2 OPs on earth or
>via satellite ? If via satellite you have to calculate with the Range.
>Add your Range to AO-7 with them of your QSO-partner, then you have the
>distance your signal is going thrugh AO-7. Right ?
>
>Mit freundlichen Gr?ssen, Regards, 73
>
>Thomas Frey, HB9SKA

646. Re: [eu-amsat] Re: Distance.

Yahoo group: eu-amsat
Date: 2007-03-09 15:23:00 UTC
From: Thomas Frey
Topic: 643 Message: 646

John Hackett schrieb:
> Thomas,
> Of course !!!! ... (God!, I'm STUPID !!!) ... no wonder !!! my
> distances were more than a thousand kilometers less than everybody elses.
> This changes things dramatically !!.
>
> Thanks Thomas. I'm glad somebody! is awake ... ha-ha-ha.
>
> I'll revise my submissions.
>
> 73 John. <la2qaa@...>
> .....
.....
>
>
:-) Nice I could help you :-)

This is also the reason, why every and all QSOs via satelltes are DX-QSOs.

>> Hi John
>>
>> What do you like to calculate ? The distance between 2 OPs on earth or
>> via satellite ? If via satellite you have to calculate with the Range.
>> Add your Range to AO-7 with them of your QSO-partner, then you have the
>> distance your signal is going thrugh AO-7. Right ?
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>>
>> Thomas Frey, HB9SKA
>>
>
>
>
>
> -

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
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647. LA2QAA's STUPIDITY,

Yahoo group: eu-amsat
Date: 2007-03-09 16:53:49 UTC
From: John Alan Hackett.
Topic: 647 Message: 647

Hello Folks,
After Thomas corrected my stupidity re distance
measuring (AO-7) my "results" now seem a little more acceptible.

My QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB on
the 24-02-2007 at 13:26 on orbit 47708 turns out to be 7700Km
and not 5600Km as I originally wrote.

However, still not the best LEO DX, my best being a QSO I had
between Frei Island and Japan on FO-20 (unconfirmed).

Best *confirmed* on an LEO are the regular 8428Km QSO's I used
to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.
(QSL's submitted to Mak).

Thanks again Thomas.

73 John <la2qaa@...>

648. LEO DX

Yahoo group: eu-amsat
Date: 2007-03-09 17:02:48 UTC
From: John Hackett
Topic: 648 Message: 648

Hello Mak,
After Thomas corrected my stupidity re: distance
measuring, my "results" now seem a little more acceptible.

My reported QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB
on the 24-02-2007 at 13:26 on orbit 47708 turns out to be 7700Km
and not 5600Km as I originally wrote.

However, that's still not my best LEO DX, my best being a QSO I had
between Frei Island and Japan on FO-20 back in 1996. (unconfirmed).

My best *confirmed* QRP QSO's on an LEO are the regular 8428Km QSO's
I used to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.

I've attached a couple of QSL's showing his location. As you know,
mine is JP33WB. 63:00:00N and 07:48:00E. Frei Island.

PS.

Note the power ... 5W ... (25w EIRP) ... and we had regular skeds.

73 John <la2qaa@...>

649. Re: [eu-amsat] LA2QAA's STUPIDITY,

Yahoo group: eu-amsat
Date: 2007-03-09 17:35:20 UTC
From: Thomas Frey
Topic: 647 Message: 649

John Alan Hackett. schrieb:
> Hello Folks,
> After Thomas corrected my stupidity re distance
> measuring (AO-7) my "results" now seem a little more acceptible.
>
> My QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB on
> the 24-02-2007 at 13:26 on orbit 47708 turns out to be 7700Km
> and not 5600Km as I originally wrote.
>
> However, still not the best LEO DX, my best being a QSO I had
> between Frei Island and Japan on FO-20 (unconfirmed).
>
> Best *confirmed* on an LEO are the regular 8428Km QSO's I used
> to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.
> (QSL's submitted to Mak).
>
> Thanks again Thomas.
>
> 73 John <la2qaa@...>
>
>
>
No no, you are not stupid ;-) But hmm...
How have you calculated the distance now ? Have you ascertained the
ranges from your QTH and the QTH from your QSO-partner with the
QSO-date and old kepler-data ? This is the way I would go, but it is
very expendable.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

650. Re: [eu-amsat] LA2QAA's STUPIDITY,

Yahoo group: eu-amsat
Date: 2007-03-09 23:02:04 UTC
From: John Hackett
Topic: 647 Message: 650

Hello again Thomas,
I "backpeddalled" Instantrack to the dates
concerned and added the distances from each QTH to the satellite. However,
Mak informs me that this is *NOT* correct and the distance should be
calculated in a straight line from QTH to QTH.

That does seem rather odd for a satellite contact since the propagated
signal is traversing the ionosphere twice !! ... on two different
frequencies ... which makes it quite different from a ground based QTH to
QTH QSO where the signal only traverses the ionosphere once ... and on the
same frequency.

My point is still vald. All distances should be calculated using the *SAME*
program. Somebody should decide WHICH program to use. Like the various
doppler calculation programs ... they don't all provide the same results.

73 John. <la2qaa@...>
.....
.....

>From: Thomas Frey <th.frey@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] LA2QAA's STUPIDITY,
>Date: Fri, 09 Mar 2007 18:35:20 +0100
>
>John Alan Hackett. schrieb:
> > Hello Folks,
> > After Thomas corrected my stupidity re distance
> > measuring (AO-7) my "results" now seem a little more acceptible.
> >
> > My QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB on
> > the 24-02-2007 at 13:26 on orbit 47708 turns out to be 7700Km
> > and not 5600Km as I originally wrote.
> >
> > However, still not the best LEO DX, my best being a QSO I had
> > between Frei Island and Japan on FO-20 (unconfirmed).
> >
> > Best *confirmed* on an LEO are the regular 8428Km QSO's I used
> > to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.
> > (QSL's submitted to Mak).
> >
> > Thanks again Thomas.
> >
> > 73 John <la2qaa@...>
> >

> >
> >
>No no, you are not stupid ;-) But hmm...
>How have you calculated the distance now ? Have you ascertained the
>ranges from your QTH and the QTH from your QSO-partner with the
>QSO-date and old kepler-data ? This is the way I would go, but it is
>very expendable.
>
>
>
>Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
>_____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
>

651. Re: LA2QAA's STUPIDITY,

Yahoo group: eu-amsat
Date: 2007-03-10 00:48:03 UTC
From: Makis
Topic: 647 Message: 651

...well John, you are right about which program is acceptable
in order to be able to calculate the distance correctly.

I had (& have) the same question-mark. As you know, I have received
dozens of QSL-cards for OSCAR7-DX list and yes, sometimes I
wondering also what to do with several QSOs that sent me without
recorded-distance.

That it's probably a good "point" in order to take here in EU-Amsat
a final dicision about the "basic requirements" of ODX-list.
(A mere example is now on page:

http://sv1bsx.50webs.com/oscardx/odx.html

However, the calculation of distance always calculated in a
straight line from QTH to QTH and, I believe that is correct and
effective. (Can you imagine a QSO before 30 years? How is possible
to find someone nowadays the Keps of AO-7 ... 30 years before, in
order to be able to calculate the height of AO-7 in these days?!?!?)

Unfortunately, last period I'm very busy with my job and the final-
page is delayed. But any suggestion - idea is welcome for the best
competition of OSCAR-7 DX Award.

73, Mak SV1BSX

--- In eu-amsat@yahoogroups.com, "John Hackett" <archie.hackett@...>
wrote:
>
> Hello again Thomas,
> I "backpeddalled" Instantrack to the
dates
> concerned and added the distances from each QTH to the satellite.
However,
> Mak informs me that this is *NOT* correct and the distance should
be
> calculated in a straight line from QTH to QTH.
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> That does seem rather odd for a satellite contact since the
propagated
> signal is traversing the ionosphere twice !! ... on two different
> frequencies ... which makes it quite different from a ground based
QTH to
> QTH QSO where the signal only traverses the ionosphere once ...
and on the
> same frequency.
>

> My point is still vald. All distances should be calculated using
the *SAME*
> program. Somebody should decide WHICH program to use. Like the
various
> doppler calculation programs ... they don't all provide the same
results.
>
> 73 John. <la2qaa@...>
> .....
.....
.
>
>
> >From: Thomas Frey <th.frey@...>
> >Reply-To: eu-amsat@yahoogroups.com
> >To: eu-amsat@yahoogroups.com
> >Subject: Re: [eu-amsat] LA2QAA's STUPIDITY,
> >Date: Fri, 09 Mar 2007 18:35:20 +0100
> >
> >John Alan Hackett. schrieb:
> > > Hello Folks,
> > > After Thomas corrected my stupidity re distance
> > > measuring (AO-7) my "results" now seem a little more
acceptible.
> > >
> > > My QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB on
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> > > and not 5600Km as I originally wrote.
> > >
> > > However, still not the best LEO DX, my best being a QSO I had
> > > between Frei Island and Japan on FO-20 (unconfirmed).
> > >
> > > Best *confirmed* on an LEO are the regular 8428Km QSO's I used
> > > to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.
> > > (QSL's submitted to Mak).
> > >
> > > Thanks again Thomas.
> > >
> > > 73 John <la2qaa@...>
> > >
> > >
> > >
> >No no, you are not stupid ;-) But hmm...
> >How have you calculated the distance now ? Have you ascertained
the
> >ranges from your QTH and the QTH from your QSO-partner with the
> >QSO-date and old kepler-data ? This is the way I would go, but it
is
> >very expendable.
> >

> >
> >
> >Mit freundlichen Grüssen, Regards, 73
> > Thomas Frey, HB9SKA
>
>_____
__
> >
> > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93
41
> > http://home.datacomm.ch/th.frey/
> > Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
> >
>

652. LA2QAA is only stupid sometimes !!.

Yahoo group: eu-amsat
Date: 2007-03-10 01:15:32 UTC
From: John Hackett
Topic: 647 Message: 652

Mak,
I agree with you ... except for 1 small point, it's not necessary to
go back 30 years in the case of AO-7 since it's (almost) sun synchronous.
It's just necessary to backtrack your tracking program to find an (almost)
identical orbit like I did with InstantTRACK.

The actual QSO I had was in 1996 but I found an identical orbit just 11 days
ago (the latest kep element set still includes FO-20).

As the main moderator of the group, and organiser of the proposed award I
suggest you !! decide which program to use for the calculator... different
people would probably have different suggestions of their own preferences so
lets not waste time on a referendum, just make a decision ... since
everybody must use the same calculation there'll be no reason to complain
anyway.

My next "suggestion" is for you to put the chosen calculator in an "AWARDS"
map here on the
eu-amsat group.

73 John. <la2qaa@...>

.....
.....

>From: "Makis" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: [eu-amsat] Re: LA2QAA's STUPIDITY,
>Date: Sat, 10 Mar 2007 00:48:03 -0000
>
>...well John, you are right about which program is acceptable
>in order to be able to calculate the distance correctly.
>
> I had (& have) the same question-mark. As you know, I have received
>dozens of QSL-cards for OSCAR7-DX list and yes, sometimes I
>wondering also what to do with several QSOs that sent me without
>recorded-distance.
>
> That it's probably a good "point" in order to take here in EU-Amsat
>a final dicision about the "basic requirements" of ODX-list.
>(A mere example is now on page:
>
>http://sv1bsx.50webs.com/oscardx/odx.html
>
> However, the calculation of distance always calculated in a

>straight line from QTH to QTH and, I believe that is correct and
>effective. (Can you imagine a QSO before 30 years? How is possible
>to find someone nowadays the Keps of AO-7 ... 30 years before, in
>order to be able to calculate the height of AO-7 in these days?!?!?)
>
> Unfortunately, last period I'm very busy with my job and the final-
>page is delayed. But any suggestion - idea is welcome for the best
>competition of OSCAR-7 DX Award.
>
>73, Mak SV1BSX
>
>
>
>
>--- In eu-amsat@yahoogroups.com, "John Hackett" <archie.hackett@...>
>wrote:
> >
> > Hello again Thomas,
> > I "backpeddalled" Instantrack to the
>dates
> > concerned and added the distances from each QTH to the satellite.
>However,
> > Mak informs me that this is *NOT* correct and the distance should
>be
> > calculated in a straight line from QTH to QTH.
> >
> > That does seem rather odd for a satellite contact since the
>propagated
> > signal is traversing the ionosphere twice !! ... on two different
> > frequencies ... which makes it quite different from a ground based
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> > QTH QSO where the signal only traverses the ionosphere once ...
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> > same frequency.
> >
> > My point is still vald. All distances should be calculated using
>the *SAME*
> > program. Somebody should decide WHICH program to use. Like the
>various
> > doppler calculation programs ... they don't all provide the same
>results.
> >
> > 73 John. <la2qaa@...>
> > ....
>...
>.
> >
> >
> > >From: Thomas Frey <th.frey@...>
> > >Reply-To: eu-amsat@yahoogroups.com

> > >To: eu-amsat@yahoogroups.com
> > >Subject: Re: [eu-amsat] LA2QAA's STUPIDITY,
> > >Date: Fri, 09 Mar 2007 18:35:20 +0100
> > >
> > >John Alan Hackett. schrieb:
> > > > Hello Folks,
> > > > After Thomas corrected my stupidity re distance
> > > > measuring (AO-7) my "results" now seem a little more
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> > > > My QSO with Frank K9CIS in EM59MV from LA2QAA in JP33WB on
> > > > the 24-02-2007 at 13:26 on orbit 47708 turns out to be 7700Km
> > > > and not 5600Km as I originally wrote.
> > > >
> > > > However, still not the best LEO DX, my best being a QSO I had
> > > > between Frei Island and Japan on FO-20 (unconfirmed).
> > > >
> > > > Best *confirmed* on an LEO are the regular 8428Km QSO's I used
> > > > to have with AL7JK in Eagle River, Alaska in 1996 on FO-20.
> > > > (QSL's submitted to Mak).
> > > >
> > > > Thanks again Thomas.
> > > >
> > > > 73 John <la2qaa@...>
> > > >
> > > >
> > > >
> > >No no, you are not stupid ;-) But hmm...
> > >How have you calculated the distance now ? Have you ascertained
>the
> > >ranges from your QTH and the QTH from your QSO-partner with the
> > >QSO-date and old kepler-data ? This is the way I would go, but it
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> > >
> > >
> > >Mit freundlichen Gr?ssen, Regards, 73
> > > Thomas Frey, HB9SKA
> >
> >_____
>__
> > >
> > > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93
>41
> > > http://home.datacomm.ch/th.frey/
> > > Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
> > >
> >
>

>

653. Satellite QRP.

Yahoo group: eu-amsat
Date: 2007-03-10 09:57:38 UTC
From: John Hackett
Topic: 653 Message: 653
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Here are a couple of QRP QSL's from AO-13. As you'll see, they're endorsed for either 3 watts or 5 watts (15 or 25w EIRP).

I have DXCC confirmed with such AO-13 QRP QSL's but was just too bone idle to apply for the award.

The "grand tally" though is for CW QRP (217 countries), SSB QRP (143 countries) RTTY QRP (211 countries) all on 20m on the homebrew phased vertical array that appeared in various 'rags'.

The AO-13 QSL's ought illustrate that you *DON'T* need to follow "mine's bigger than yours !!" recommendations for equipment. (You know my !!! economy).

Since I've got me' bragging hat on I'll bat this over to the group as well.

Fine! if you can afford the latest all singing - all dancing rig but it's *NOT* necessary.

Recommended reading for satellite ops at <http://www.observations.biz/> "How much power is enough". (we might as well give THE TWISTED PAIR efforts a plug as well)

73 John. <la2qaa@...>

654. AMSAT in Brussels

Yahoo group: eu-amsat
Date: 2007-03-23 14:58:03 UTC
From: Thomas Frey
Topic: 654 Message: 654

read @
http://www.sseti.net/index.php?option=com_content&task=view&id=272&Itemid=92

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

655. Re: [eu-amsat] AMSAT in Brussels

Yahoo group: eu-amsat
Date: 2007-03-25 08:52:01 UTC
From: Trevor
Topic: 654 Message: 655

--- Thomas Frey <th.frey@...> wrote:
> http://www.sseti.net/index.php?option=com_content&task=view&id=272&Itemid=92

Also see the item posted to the Amateur Radio Daily RSS news on 11th March.
Amateur Radio Exhibition in the European Parliament
http://www.southgatearc.org/news/march2007/european_parliament_exhibition.htm

I have some pics from Gaston of the leaflet, posters and ISS Antennas that were
at exhibition . I will upload them to the picture gallery on the AMSAT-UK
website http://www.uk.amsat.org/ when I get a chance, probably Monday evening.

73 Trevor M5AKA

Daily Amateur Radio RSS News: http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website: http://www.southgatearc.org/rss/index.htm
News On Your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News: http://www.southgatearc.org/news/your_news.htm
---

_____
New Yahoo! Mail is the ultimate force in competitive emailing. Find out more at the Yahoo!
Mail Championships. Plus: play games and win prizes.
http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

656. Re: [eu-amsat] AMSAT in Brussels

Yahoo group: eu-amsat
Date: 2007-03-25 11:40:23 UTC
From: Thomas Frey
Topic: 654 Message: 656

Trevor schrieb:
> --- Thomas Frey <th.frey@...> wrote:
>
>> http://www.sseti.net/index.php?option=com_content&task=view&id=272&Itemid=92
>>
>
> Also see the item posted to the Amateur Radio Daily RSS news on 11th March.
> Amateur Radio Exhibition in the European Parliament
> http://www.southgatearc.org/news/march2007/european_parliament_exhibition.htm
>
> I have some pics from Gaston of the leaflet, posters and ISS Antennas that were
> at exhibition . I will upload them to the picture gallery on the AMSAT-UK
> website http://www.uk.amsat.org/ when I get a chance, probably Monday evening.
>
> 73 Trevor M5AKA
> ---
>
Hi Trevor

Fine. Was a presentation of P3E also present ? I read something about
"Go Mars".

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

657. Re: [eu-amsat] AMSAT in Brussels

Yahoo group: eu-amsat
Date: 2007-03-25 22:27:58 UTC
From: Trevor
Topic: 654 Message: 657

The "AMSAT - Amateur Radio Satellites" poster contained the following words on P5A:

GO-Mars - Targeting the Red Planet:

With the powerful propulsion system and the AMSAT-DL electronics integrated into the P3D satellite structure, the cornerstone has been laid for departing Earth orbit in the direction of Mars.

In addition to its functions as a research platform as an amateur radio relay between Mars and Earth. The Mars mission, designated P5A, can even take along a module for landing. The next favourable opportunity for launch of the AMSAT-DL Mars probe is in 2009. Work has already begun on the Mars mission as well as a test and training satellite (P3E) to be launched before the Mars mission.

---

73 Trevor M5AKA

_____
New Yahoo! Mail is the ultimate force in competitive emailing. Find out more at the Yahoo! Mail Championships. Plus: play games and win prizes.
http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

658. Re: [eu-amsat] AMSAT in Brussels

Yahoo group: eu-amsat
Date: 2007-03-25 23:01:50 UTC
From: Thomas Frey
Topic: 654 Message: 658

Trevor schrieb:
> The "AMSAT - Amateur Radio Satellites" poster contained the following words on
> P5A:
> ----
> GO-Mars - Targeting the Red Planet:
>
> With the powerful propulsion system and the AMSAT-DL electronics integrated
> into the P3D satellite structure, the cornerstone has been laid for departing
> Earth orbit in the direction of Mars.
>
> In addition to its functions as a research platform as an amateur radio relay
> between Mars and Earth. The Mars mission, designated P5A, can even take along a
> module for landing. The next favourable opportunity for launch of the AMSAT-DL
> Mars probe is in 2009. Work has already begun on the Mars mission as well as a
> test and training satellite (P3E) to be launched before the Mars mission.
> ----
>
> 73 Trevor M5AKA
>
>
Thanks Trevor for the text.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

659. EU Parliment Posters

Yahoo group: eu-amsat
Date: 2007-03-27 07:19:35 UTC
From: Trevor
Topic: 659 Message: 659

Pics of the EU Parliament Amateur Radio Exhibition posters can be seen at

http://www.uk.amsat.org/

They are at the end of the Picture Gallery

73 Trevor M5AKA

---------- Chelmsford Amateur Radio Society ----------
Support Essex Air Ambulance - Apply for the Chelmsford Award
See CARS website http://www.g0mwt.org.uk/

_____
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http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

660. AMSAT-UK New Online Subscriptions Page

Yahoo group: eu-amsat
Date: 2007-03-27 11:48:20 UTC
From: Trevor
Topic: 660 Message: 660

AMSAT-UK have just introduced an online system to enable people to join the organisation quickly and easily using their Credit/Debit Card or PayPal.

Details of how to join can be found at http://www.uk.amsat.org/

A direct link to the subscription page is
https://secure.amsat.org.uk/subscription/

73 Trevor M5AKA

_____
New Yahoo! Mail is the ultimate force in competitive emailing. Find out more at the Yahoo! Mail Championships. Plus: play games and win prizes.
http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

661. AO-51 Field Day Mode L/U and V/U dual repeaters

Yahoo group: eu-amsat
Date: 2007-03-30 01:03:32 UTC
From: Andrew Glasbrenner
Topic: 661 Message: 661

For Field Day this year AO-51 will be in a dual repeater mode, with the following frequencies:

L/U repeater
Uplink 1268.700 FM, no PL tone
Downlink 435.150 FM

V/U repeater
Uplink 145.920 FM, no PL tone
Downlink 435.300 FM

As a reminder, both the AMSAT and now ARRL Field Day rules state only one completed QSO per FM repeater satellite. Please adhere to this rule so that others may have an opportunity to make a QSO. Also, all stations are asked to please only transmit when they can hear the satellite, and please use full duplex (with headphones) as a courtesy to the other users. Those stations planning on using circularly polarized antennas please remember the 435.150 downlink is left hand circular polarization (LHCP), and the 435.300 downlink is right hand circular polarization (RHCP). Stay tuned to AMSAT ANS bulletins or the AO-51 News page http://www.amsat.org/amsat-new/echo/ControlTeam.php for practice sessions of this mode to be scheduled several times between now and Field Day.

73 and Good Luck!
Drew KO4MA
AMSAT VP Operations

662. Amateur Satellite Beginners Article

Yahoo group: eu-amsat
Date: 2007-04-03 23:12:14 UTC
From: Trevor
Topic: 662 Message: 662

Amateur Satellite Beginners Article

The March 2007 issue of the RSGB magazine RadCom features a superb article entitled "Getting Started on Amateur Radio Satellites" by John Heath G7HIA. It is an excellent introduction to the exciting world of Amateur Satellite Communications.

The Radio Society of Great Britain and the author have generously agreed to allow AMSAT-UK to put the PDF of the article on the web and it can be seen at

http://www.uk.amsat.org/

Click on "How Do I Start" on the left hand side of the home page then click on "Getting Started on Amateur Satellites (RSGB article)"

Note the article is Copyright 2007 Radio Society of Great Britain. For personal use only - no copying, reprinting or distribution without written permission from the RSGB http://www.RSGB.org/

_____
The all-new Yahoo! Mail goes wherever you go - free your email address from your Internet provider. http://uk.docs.yahoo.com/nowyoucan.html

663. Launch of Charles Simonyi KE7KDP live on ESA TV

Yahoo group: eu-amsat
Date: 2007-04-04 19:39:44 UTC
From: Trevor
Topic: 663 Message: 663

The launch of the Soyuz spacecraft carrying Radio Amateur Charles Simonyi KE7KDP scheduled for 17:30 GMT on 7th April is being shown live on ESA TV.

For full details see

http://www.southgatearc.org/news/april2007/simonyi_launch.htm

73 Trevor M5AKA

Daily Amateur Radio RSS News: http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website: http://www.southgatearc.org/rss/index.htm
News On Your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News: http://www.southgatearc.org/news/your_news.htm
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_____
New Yahoo! Mail is the ultimate force in competitive emailing. Find out more at the Yahoo! Mail Championships. Plus: play games and win prizes.
http://uk.rd.yahoo.com/evt=44106/*http://mail.yahoo.net/uk

664. 2.4 GHZ=>145MHz DownConverter on eBay

Yahoo group: eu-amsat
Date: 2007-04-12 23:21:57 UTC
From: Makis
Topic: 664 Message: 664

For Germans only:
Nice offer on DL-eBay, CalAmp DownConverter for
S-Band, just 1 Euro starting price.

http://cgi.ebay.de/2-4-GHz-Downconverter-mit-145-MHz-ZF-
Ausgang_W0QQitemZ260107307205QQihZ016QQcategoryZ12968QQrdZ1QQcmdZView
Item

Good luck !

665. Stop whinging about trees.

Yahoo group: eu-amsat
Date: 2007-04-16 09:47:28 UTC
From: John Hackett
Topic: 665 Message: 665

Just to give you an idea of what I have to contend with.

<http://www.observations.biz/Observations_from_Norway/Observations_15_04_2007.htm>

73 John.

666. Re: [eu-amsat] Stop whinging about trees.

Yahoo group: eu-amsat
Date: 2007-04-16 13:19:07 UTC
From: SV1BSX
Topic: 665 Message: 666

...hmmm! Very interesting page, John.
On the other hand, I notice that you are in a lovely
place! (Very nice this foto with fjord and boat).

Don't worry about Satellites... if I had to choise
between a place with 360 degr. opening for Satellites
and another with natural beauty - like your QTH,
definitely I will vote the second!

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Just to give you an idea of what I have to contend
> with.
>
>
<http://www.observations.biz/Observations_from_Norway/Observations_15_04_2007.htm>
>
> 73 John.
>
>
>
>
>
> Yahoo! Groups Links
>
>
>
>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

667. Re: [eu-amsat] Stop whinging about trees.

Yahoo group: eu-amsat
Date: 2007-04-16 13:28:59 UTC
From: Luc Leblanc
Topic: 665 Message: 667

On 16 Apr 2007 at 6:19, SV1BSX wrote:

> ...hmmm! Very interesting page, John.
> On the other hand, I notice that you are in a lovely
> place! (Very nice this foto with fjord and boat).
>
> Don't worry about Satellites... if I had to choise
> between a place with 360 degr. opening for Satellites
> and another with natural beauty - like your QTH,
> definitely I will vote the second!
>
> 73, Mak SV1BSX
>
Exactly Mak

You have taken my words out of my mouth! John don't mind about the LEO'S and enjoy the place in the mean time. HEO will be your solution and the same applies in the Pacific south where they surely feel very lonely now.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

668. Re: [eu-amsat] Stop whinging about trees.

Yahoo group: eu-amsat
Date: 2007-04-16 20:02:06 UTC
From: Thomas Frey
Topic: 665 Message: 668

Luc Leblanc schrieb:
> On 16 Apr 2007 at 6:19, SV1BSX wrote:
>
>
>> ...hmmm! Very interesting page, John.
>> On the other hand, I notice that you are in a lovely
>> place! (Very nice this foto with fjord and boat).
>>
>> Don't worry about Satellites... if I had to choise
>> between a place with 360 degr. opening for Satellites
>> and another with natural beauty - like your QTH,
>> definitely I will vote the second!
>>
>> 73, Mak SV1BSX
>>
>>
> Exactly Mak
>
> You have taken my words out of my mouth! John don't mind about the LEO'S and
> enjoy the place in the mean time.
Hello All

If I would be a millionaire, I would have my home ON the mountain ;-)

> HEO will be your solution and the same
> applies in the Pacific south where they surely feel very lonely now.
>
HEO will be the solution ? Hmm... I live in Switzerland also near
a mountain. But the mountain is more a hill and also not so high as
John's. I had no chance to make a QSO over AO-40 in mode-S. With AO-10
and AO-13 it was allways difficult at low elevations to operate over
"my" hill on 70cm. If you live in a mountainous region, you operate
better over satellites with a high inclination like the LEO's, not the HEO's.

>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
But I'm also waiting for P3E and Eagle.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

669. Quick tip.

Yahoo group: eu-amsat
Date: 2007-04-17 14:34:32 UTC
From: John Alan Hackett.
Topic: 669 Message: 669

Hi All,
Here's a quick tip.

(More like a right! tip.....GM1SXX).

<http://www.observations.biz/Observations_from_Norway/observations_17_04_2007.htm>

73 John. <la2qaa@...>

670. UK BBC TV Report On ISS Amateur Radio Contact

Yahoo group: eu-amsat
Date: 2007-04-18 07:26:51 UTC
From: Trevor
Topic: 670 Message: 670

UK BBC TV Report On ISS Amateur Radio Contact

http://www.southgatearc.org/news/april2007/bbc_iss_contact.htm

73 Trevor M5AKA

Daily Amateur Radio RSS News: http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website: http://www.southgatearc.org/rss/index.htm
News On Your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News: http://www.southgatearc.org/news/your_news.htm
---

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

671. AO-7 Web-Log

Yahoo group: eu-amsat
Date: 2007-04-18 20:01:40 UTC
From: SV1BSX
Topic: 671 Message: 671

Hi all,

I wondering about the "entry-rule" into Emily's Web-LogBook for AO-7.

Looking about my personal score, I noticed that the LOG add points in each one callsign depending upon the number of new-QSOs. For example, if your score is 500 and you have a new entry with 3 new QSOs, the new score should be 500+3= 503.

However, I noticed that my personal score was 188 and after my last entry with 3 QSOs the new
score is ..190 and not 191.

Am I missing something here?

73, Mak SV1BSX

PS: I'm not complainer... just I wondering.... Emily's LOg is GREAT-Tool.
Thanks Emily for your great job.

sv1bsx@...
http://sv1bsx.50webs.com

LANProxy eMail-Server: This Email has been checked by AVAST-Pro
*** Virus Free ***

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000733-1, 13/04/2007
Tested on: 18/4/2007 11:03:03 ΉΉ
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

672. FO-29 problem?

Yahoo group: eu-amsat
Date: 2007-04-20 13:08:15 UTC
From: Makis
Topic: 672 Message: 672

Hi all,
today afternoon during #52710 orbit over East Europe,
I heard nothing from FO-29. My effort to access the
Satellite was also without success.

Anybody noticed that?
(or my UHF receiving system is faulty?)

73, Mak SV1BSX

673. Re: [eu-amsat] FO-29 problem?

Yahoo group: eu-amsat
Date: 2007-04-21 10:37:02 UTC
From: TERRY BROMLEY
Topic: 672 Message: 673

Mak i had the same problem. I thought my keps were old. Hope the bird is ok, we all have to get older hi. Have a nice weekend my friend. 73 Terry G1WPR.
----- Original Message -----
From: Makis
To: eu-amsat@yahoogroups.com
Sent: Friday, April 20, 2007 2:08 PM
Subject: [eu-amsat] FO-29 problem?

Hi all,
today afternoon during #52710 orbit over East Europe,
I heard nothing from FO-29. My effort to access the
Satellite was also without success.

Anybody noticed that?
(or my UHF receiving system is faulty?)

73, Mak SV1BSX

674. Re: [eu-amsat] FO-29 problem?

Yahoo group: eu-amsat
Date: 2007-04-21 11:38:44 UTC
From: SV1BSX
Topic: 672 Message: 674

Hi Terry & Group,

unfortunately, FO-29 is "OFF". That confirmed
yesterday by several Hams in Amsat-BB and as
we know that happened between #52709 and #52710 orbit.
In the first-half of #52709 orbit the Satellite was
OK, I heard my CQ-CQ clear on Downlink when the
Satellite was over Asia but, nobody answered to my
call.

Then, FO-29 continued over North pole, USA and SE
Pacific Ocean. At this point became into an eclipse
period for about 26 mins and over Antarctica the
number of orbit changed to #52710.
Probably, somewhere between North pole - Antarctica
of #52709 orbit the Satellite closed-down, for unknown
reasons.
The most possible scenario is that, it might be
turned-OFF during eclipse period, probably due to low
power of batteries. (???)

Yes right Terry, we all have to get older and the
FO-29 definitely is an old-bird, I think it's 12 years
old! (Very long time for an amateur Satellite in cold
Space!)

However, I hope to listen it again as it was
the most reliable, stable and accurate LEO satellite
orbiting in a height which offering good enough
DX-windows.

AO-7 is higher, yes, but without batteries...
on the other hand HamSat (VO-52) is great, but too
low.

So my friend "Cross your fingers" for FO-29 !

73 & have a nice weekend

Mak SV1BSX

--- TERRY BROMLEY <terry.bromley@...>
wrote:

> Mak i had the same problem. I thought my keps were
> old. Hope the bird is ok, we all have to get older
> hi. Have a nice weekend my friend. 73 Terry G1WPR.

> ----- Original Message -----
> From: Makis
> To: eu-amsat@yahoogroups.com
> Sent: Friday, April 20, 2007 2:08 PM
> Subject: [eu-amsat] FO-29 problem?
>
>
> Hi all,
> today afternoon during #52710 orbit over East
> Europe,
> I heard nothing from FO-29. My effort to access
> the
> Satellite was also without success.
>
> Anybody noticed that?
> (or my UHF receiving system is faulty?)
>
> 73, Mak SV1BSX
>
>
>
>

_____
Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

675. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-04-23 19:07:31 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 675

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Dubus/23cm/23cm_lin-trsvrt.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : 23cm Linear Transvrt by DB6NT & DF9LN

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Dubus/23cm/23cm_lin-trsvrt.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

676. Dubus Folder

Yahoo group: eu-amsat
Date: 2007-04-23 19:47:54 UTC
From: Makis
Topic: 676 Message: 676

Hi all,

just added a new FOLDER (into "Files" directory)
named "DUBUS". I will upload on it some PDF files
from the famus European electronic magazine, like 23cm
transverters, GaFet LOW-Noise preamp etc.
Most of them, they are "State of the ART" about electronics,
even if they are 20 years old and definitely the "base"
for later designs.
Today added only the "23cm Folder". You can find inside
the well known DB6NT 23cm transverter.

During the next days I will put about 50 more files in PDF format.

Good reading!

73, Mak SV1BSX

677. SSETI-ESEO Launch Date

Yahoo group: eu-amsat
Date: 2007-04-24 16:42:30 UTC
From: Trevor
Topic: 677 Message: 677

SSETI-ESEO Launch Date

The launch date for SSETI-ESEO, the ESA led student satellite project intended for Geostationary Transfer Orbit (GTO), has been delayed by approximately one year. It had originally been hoped that this satellite would be a secondary payload on Arianespace launch from Kourou in late Nov 2008 but it now seems that the expected secondary payload opportunity will not be available.

Although this delay is regrettable it will give the various teams much needed extra time to finalise and test their systems.

A BBM - "Breadboard model" of the satellite systems and payloads is being produced at the ESTEC facility in the Netherlands for testing purposes. This will commence operations during this summer.

Work continues to develop the AMSAT-UK communications package that is planned to provide a 435 to 2400 MHz (Mode U/S) linear transponder using both analogue and DSP based systems. It will additionally downlink telemetry at 400 bps and provide command and ranging facilities.

Full details of the project are available at http://www.uk.amsat.org/ click on "News Archive" and then "SSETI".

There will be a presentation on SSETI-ESEO at the AMSAT-UK International Space Colloquium which is being held at the University of Surrey, Guildford, England from Friday 20th to Sunday 22nd July.

This event is open to all Amateurs and SWL's and there will be a special beginners session aimed at newcomers to the exciting world on Amateur Satellite operating. For further information see http://www.uk.amsat.org/colloquium

AMSAT-UK produces a newsletter Oscar News packed full of Amateur Satellite information. For membership details contact the secretary Jim Heck G3WGM
Tel: +44 (0)1258 453959
Email: g3wgm@...
Website: http://www.uk.amsat.org/

Yahoo! Mail is the world's favourite email. Don't settle for less, sign up for your free account today
http://uk.rd.yahoo.com/evt=44106/*http://uk.docs.yahoo.com/mail/winter07.html

678. Re: SSETI-ESEO Launch Date

Yahoo group: eu-amsat
Date: 2007-04-24 23:48:46 UTC
From: Makis
Topic: 677 Message: 678

>
> SSETI-ESEO Launch Date
>
> The launch date for SSETI-ESEO, the ESA led student satellite
project intended
> for Geostationary Transfer Orbit (GTO), has been delayed by
approximately one
> year. It had originally been hoped that this satellite would be a
secondary
> payload on Arianespace launch from Kourou in late Nov 2008 but it
now seems
> that the expected secondary payload opportunity will not be
available.
>

...Hmmm ! How nice!

If there is not available secondary payload opportunity for
SSETI_ESEO, I suppose just the same for the P3E as the availability
of Arianespace for similar payloads seems to be very difficult
before ...2010!
That means P3Express ST.BY. for 1-2 years more... Am I wrong?

73, Mak SV1BSX

679. Re: [eu-amsat] Re: SSETI-ESEO Launch Date

Yahoo group: eu-amsat
Date: 2007-04-25 07:08:15 UTC
From: Trevor
Topic: 677 Message: 679

--- Makis <sv1bsx@...> wrote:
> If there is not available secondary payload opportunity for
> SSETI_ESEO, I suppose just the same for the P3E as the availability
> of Arianespace for similar payloads seems to be very difficult
> before ...2010!
> That means P3Express ST.BY. for 1-2 years more... Am I wrong?

I understood the plan was to have P3E in orbit at least a year before the launch of the Mars Orbiter P5A so they could check out the systems they proposed to use on the Mars Orbiter. That would give them time to make changes to P5A if that was found to be necessary.

The launch windows for Mars Orbiter P5A are either 2009 or 2011.

73 Trevor M5AKA

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

680. Re: [eu-amsat] Re: SSETI-ESEO Launch Date

Yahoo group: eu-amsat
Date: 2007-04-25 09:49:32 UTC
From: Thomas Frey
Topic: 677 Message: 680

Makis schrieb:
>> SSETI-ESEO Launch Date
>>
>> The launch date for SSETI-ESEO, the ESA led student satellite
>>
> project intended
>
>> for Geostationary Transfer Orbit (GTO), has been delayed by
>>
> approximately one
>
>> year. It had originally been hoped that this satellite would be a
>>
> secondary
>
>> payload on Arianespace launch from Kourou in late Nov 2008 but it
>>
> now seems
>
>> that the expected secondary payload opportunity will not be
>>
> available.
>
>
> ...Hmmm ! How nice!
>
> If there is not available secondary payload opportunity for
> SSETI_ESEO, I suppose just the same for the P3E as the availability
> of Arianespace for similar payloads seems to be very difficult
> before ...2010!
> That means P3Express ST.BY. for 1-2 years more... Am I wrong?
>
> 73, Mak SV1BSX
>
>
Hello Mak and group

I think, P3E will go with the new Soyuz into orbit from the also new
launchplace in Kourou.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

681. AO-7

Yahoo group: eu-amsat
Date: 2007-04-25 10:12:49 UTC
From: John Hackett
Topic: 101 Message: 681

Hi All,
Somebody knocking 10 kinds of the brown stuff out of AO-7 this morning on orbit 48458.

Careful !! with the power chaps or we'll lose this one as well.

The recommended operating proceedure can be found at ...

<http://www.planetemily.com/ao7/ao7log.php> Just click on "Using AO-7".

The more potential new users who are aware that you *DON'T* need 100w to a 10 element beam, the more likely it is that AO-7 will continue to provide excellent analogue signals.

73 John. <la2qaa@...>

682. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2007-04-25 10:48:26 UTC
From: SV1BSX
Topic: 101 Message: 682

Hi John,

well, I suggest to make a BLACK LIST (and publish
that anywhere, like Amsat-BB etc).

Why not?

This way I believe that, every LID(= bad-operator)
will be more careful in order to avoid the LIST!

After the closed-down of FO-29, we have to care much
more about AO-7's good-health.

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Hi All,
> Somebody knocking 10 kinds of the brown
> stuff out of AO-7 this
> morning on orbit 48458.
>
> Careful !! with the power chaps or we'll lose this
> one as well.
>
> The recommended operating proceedure can be found at
> ...
>
> <http://www.planetemily.com/ao7/ao7log.php> Just
> click on "Using AO-7".
>
> The more potential new users who are aware that you
> *DON'T* need 100w to a
> 10 element beam, the more likely it is that AO-7
> will continue to provide
> excellent analogue signals.
>
> 73 John. <la2qaa@...>
>
>
>
>
>
> Yahoo! Groups Links
>
>
>

>
>

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

683. Re: [eu-amsat] AO-7

Yahoo group: eu-amsat
Date: 2007-04-25 11:27:33 UTC
From: John Hackett
Topic: 101 Message: 683

Hi MaK,
I'm not so sure a BLACK LIST is the way to go, however, we most certainly DO! need to be aware of the "alligator" ... (all mouth and no ears) ... problem on AO-7. I read quite recently a post on the Amsat-bb wherea particular station was "explaining" that one *NEEDS* a linear amplifier to work AO-7.

Absolutely *not* true ... (using an aerial !!!!! might have helped.....LA2QAA & GM1SXX).

Of course, today's FM'ing on AO-7 *may* have been due to ignorance, not deliberate QRM, we'll never know but we should !!! encourage people to LISTEN before transmitting ... after all, it *IS* full duplex.

I'd suggest "education" to be a better alternative than a"black list" ... Alligators will always! be with us with the "mine's bigger than yours!" menality.

A re-read of the recommended operating proceedure would do no harm. This applies to *ALL* satellites.

PS.

LA2QAA and GM1SXX will soon be publishing an article suggesting a way to operate satellites for those amateurs who have severe aerial restrictions or who don't currently own the necessary equipment.

I will of course put a link to the article concerned on the EU-Amsat pages.

73 John. <la2qaa@...>

.....
.....

>From: SV1BSX <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] AO-7
>Date: Wed, 25 Apr 2007 03:48:26 -0700 (PDT)
>
> Hi John,
>
> well, I suggest to make a BLACK LIST (and publish
>that anywhere, like Amsat-BB etc).
>
>Why not?
>

> This way I believe that, every LID(= bad-operator)
>will be more careful in order to avoid the LIST!
>
> After the closed-down of FO-29, we have to care much
>more about AO-7's good-health.
>
>73, Mak SV1BSX
>
>
>--- John Hackett <archie.hackett@...> wrote:
>
> > Hi All,
> > Somebody knocking 10 kinds of the brown
> > stuff out of AO-7 this
> > morning on orbit 48458.
> >
> > Careful !! with the power chaps or we'll lose this
> > one as well.
> >
> > The recommended operating proceedure can be found at
> > ...
> >
> > <http://www.planetemily.com/ao7/ao7log.php> Just
> > click on "Using AO-7".
> >
> > The more potential new users who are aware that you
> > *DON'T* need 100w to a
> > 10 element beam, the more likely it is that AO-7
> > will continue to provide
> > excellent analogue signals.
> >
> > 73 John. <la2qaa@...>

684. Welcome.

Yahoo group: eu-amsat
Date: 2007-04-25 11:38:08 UTC
From: John Hackett
Topic: 684 Message: 684

Hi Steve,
I just approved your membership, you're most welcome.

I'll be putting some satellite info about the VK3UR remote base in Victoria
on this reflector tomorrow.

73 John. <la2qaa@...>

685. Re: [amsat-bb] Re: Re Power Levels Into Satellites

Yahoo group: eu-amsat
Date: 2007-04-25 15:46:40 UTC
From: Andrew Glasbrenner
Topic: 685 Message: 685

John,

Instead of suggesting someone else do it, how about writing it up and sending it in yourself? The Journal takes submissions from anyone who will write...

73, Drew KO4MA

-----Original Message-----
>From: john hackett <la2qaa@...>
>Sent: Apr 25, 2007 10:36 AM
>To: Mikehooles@...
>Cc: Amsat-bb@..., eu-amsat@yahoogroups.com
>Subject: [amsat-bb] Re: Re Power Levels Into Satellites
>
>Hello Mike,
> I've been suggesting this for donkey's !!! years ... (12 at
>least) ... in my earlier columns in Oscar News, The Amsat Journal, on
><http://www.observations.biz/> and on the various satellite reflectors ...
>but so far it's fallen on deaf ears.
>
>See <http://groups.yahoo.com/group/eu-amsat/?yguid=188558692>
>
>You'd think this would be in the interest of the editors of the Amsat
>journals ... but obviously not.
>
>I hope your posting generates more response than mine have. Perhaps with the
>demise of FO-29 more people might start to become aware of the problem.
>
>73 John. <la2qaa@...>
>.....
.....
>
>>From: "Mike Hooles" <Mikehooles@...>
>>To: "AMSAT" <amsat-bb@...>
>>Subject: [amsat-bb] Re Power Levels Into Satellites
>>Date: Wed, 25 Apr 2007 13:42:42 -0000
>>
>>What would be useful for people coming into the satellite world would be a
>>series of maximum recommended power levels for each of the satellites
>>listed
>>on the AMSAT Website,
>>e.g. SO50,
>> Antenna - Eggbeater - 50 watts up to 30 degrees, 10 watts above.
>> 1/4 wave ground plane - 50 watts
>> 3 ele. beam
>> 10 ele beam

>> 12 ele beam
>> etc.
>>Also, listing modes.
>>At the moment, many make the excuse they do not have the time, information,
>>nor skills to calculate the levles. They're usually the ones that are 'deaf
>>as a post' on the downlink as well
>>Then any alligators could be steered to the relevant list.
>>
>>Best Regards
>>Mike G3LGR
>>33643
>>
>>_____
>>Sent via AMSAT-BB@.... Opinions expressed are those of the author.
>>Not an AMSAT-NA member? Join now to support the amateur satellite program!
>>Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
>_____
>MSN Spaces http://spaces.msn.com/?mkt=nb-no Vis hvem du er og hva du vil
>
>_____
>Sent via AMSAT-BB@.... Opinions expressed are those of the author.
>Not an AMSAT-NA member? Join now to support the amateur satellite program!
>Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

686. RE: [eu-amsat] Re: [amsat-bb] Re: Re Power Levels Into Satellites

Yahoo group: eu-amsat
Date: 2007-04-25 16:03:09 UTC
From: John Hackett
Topic: 685 Message: 686

Hello Andrew,
Please *READ* my posting again.

I've *ALREADY* done it more than 20 times in Oscar News, The Amsat Journal
and on various websites and satellite related reflectors.

Eventually, one lears that banging one's head against a brick wall hardly
ever solves the problem.
We need *MORE* ... (or perhaps louder?) ... voices.

73 John. <la2qaa@...>
.....
.....

>From: Andrew Glasbrenner <glasbrenner@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: john hackett <la2qaa@...>, Mikehooles@...
>CC: Amsat-bb@..., eu-amsat@yahoogroups.com
>Subject: [eu-amsat] Re: [amsat-bb] Re: Re Power Levels Into Satellites
>Date: Wed, 25 Apr 2007 11:46:40 -0400 (GMT-04:00)
>
>John,
>
>Instead of suggesting someone else do it, how about writing it up and
>sending it in yourself? The Journal takes submissions from anyone who will
>write...
>
>73, Drew KO4MA
>
>-----Original Message-----
> >From: john hackett <la2qaa@...>
> >Sent: Apr 25, 2007 10:36 AM
> >To: Mikehooles@...
> >Cc: Amsat-bb@..., eu-amsat@yahoogroups.com
> >Subject: [amsat-bb] Re: Re Power Levels Into Satellites
> >
> >Hello Mike,
> > I've been suggesting this for donkey's !!! years ... (12
>at
> >least) ... in my earlier columns in Oscar News, The Amsat Journal, on
> ><http://www.observations.biz/> and on the various satellite reflectors
>...
> >but so far it's fallen on deaf ears.
> >
> >See <http://groups.yahoo.com/group/eu-amsat/?yguid=188558692>
> >

> >You'd think this would be in the interest of the editors of the Amsat
> >journals ... but obviously not.
> >
> >I hope your posting generates more response than mine have. Perhaps with
>the
> >demise of FO-29 more people might start to become aware of the problem.
> >
> >73 John. <la2qaa@...>
> >.....
.....
> >
> >>From: "Mike Hooles" <Mikehooles@...>
> >>To: "AMSAT" <amsat-bb@...>
> >>Subject: [amsat-bb] Re Power Levels Into Satellites
> >>Date: Wed, 25 Apr 2007 13:42:42 -0000
> >>
> >>What would be useful for people coming into the satellite world would be
>a
> >>series of maximum recommended power levels for each of the satellites
> >>listed
> >>on the AMSAT Website,
> >>e.g. SO50,
> >> Antenna - Eggbeater - 50 watts up to 30 degrees, 10 watts above.
> >> 1/4 wave ground plane - 50 watts
> >> 3 ele. beam
> >> 10 ele beam
> >> 12 ele beam
> >> etc.
> >>Also, listing modes.
> >>At the moment, many make the excuse they do not have the time,
>information,
> >>nor skills to calculate the levles. They're usually the ones that are
>'deaf
> >>as a post' on the downlink as well
> >>Then any alligators could be steered to the relevant list.
> >>
> >>Best Regards
> >>Mike G3LGR
> >>33643
> >>
> >>_____
> >>Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> >>Not an AMSAT-NA member? Join now to support the amateur satellite
>program!
> >>Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
> >_____
> >MSN Spaces http://spaces.msn.com/?mkt=nb-no Vis hvem du er og hva du vil
> >
> >_____

> >Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> >Not an AMSAT-NA member? Join now to support the amateur satellite
>program!
> >Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
>
>

687. Re: power posting.

Yahoo group: eu-amsat
Date: 2007-04-25 16:18:53 UTC
From: John Hackett
Topic: 687 Message: 687

Hello Andrew,
With reference to your recent posting on the EU-Amsat reflector ... (of which I'm a founder member, together with SV1BSZ and GM1SXX).

I know for a fact that the message concerned (re: power) has appeared in The Amsat Journal (USA) and Oscar News (UK) countless times, specifically requesting the editors of these magazines to publish recommended operating proceedures for satellites ... because I'm the clown who wrote the regular "Observations From Norway" colums and this is a point I used to *nag* about.

The message has also been aired several times on The EU-Amsat reflector as well as a few national radio magazines ... so I think I've done my bit to get the message across.

73 John. <la2qaa@...>

688. Re: power posting.

Yahoo group: eu-amsat
Date: 2007-04-25 16:32:43 UTC
From: Andrew Glasbrenner
Topic: 687 Message: 688

Well I haven't seen it in 5-6 years in the -NA journal. I do not get the -UK version.

AMSAT has a very high churn rate. There are the long timers as yourself, and a constant stream of newbies who come and go and need education in the meantime.

My suggestion is to submit it again, but growsing about no one else doing it is unproductive. ANd suggesting Ed Long, the -NA journal editor is somehow ignoring some particular issue is borderline insulting. He prints what he gets...so send it in.

73, Drew KO4MA

-----Original Message-----
>From: John Hackett <archie.hackett@...>
>Sent: Apr 25, 2007 12:18 PM
>To: glasbrenner@...
>Cc: eu-amsat@yahoogroups.com
>Subject: Re: power posting.
>
>Hello Andrew,
> With reference to your recent posting on the EU-Amsat
>reflector ... (of which I'm a founder member, together with SV1BSZ and
>GM1SXX).
>
>I know for a fact that the message concerned (re: power) has appeared in The
>Amsat Journal (USA) and Oscar News (UK) countless times, specifically
>requesting the editors of these magazines to publish recommended operating
>proceedures for satellites ... because I'm the clown who wrote the regular
>"Observations From Norway" colums and this is a point I used to *nag* about.
>
>The message has also been aired several times on The EU-Amsat reflector as
>well as a few national radio magazines ... so I think I've done my bit to
>get the message across.
>
>73 John. <la2qaa@...>
>
>

689. RE: [eu-amsat] Re: power posting.

Yahoo group: eu-amsat
Date: 2007-04-25 18:04:04 UTC
From: John Hackett
Topic: 687 Message: 689

Drew,

>Well I haven't seen it in 5-6 years in the -NA journal. I do not get the
>-UK version.

That's because I stopped submitting input to the NA Journal ... for reasons that are irrelavant to this particular issue.

>My suggestion is to submit it again, but growsing about no one else doing
>it is unproductive.

Again, please read my original posting. I didn't grouse, I agreed with an opinion offered by someone else and mentioned that previous efforts on my part had had no effect, I also offered an opinion, to which I and everyone else (including you) has a right to do.

>ANd suggesting Ed Long, the -NA journal editor is somehow ignoring some
>particular issue is borderline insulting.

I most certainly did *NOT* suggest Mr Long ingnored anything at all ... therefore my OPINION was
in no way insulting, not even BORDERLINE insulting as you suggest. That must remain YOUR interpretation of it ... I cannot be held responsible for that.

I proffered my 2 bob's worth, I didn't ask anyone to agree or disagree with it.

To recap, I agreed with the comments of the G station who suggested a write up, I mentioned that it had been done several times before (to no avail) and my opinion was that I thought it would have been in the interest of the editor's to publish such information like a recommended operating proceedure.

THIS IN NO WAY CAN BE CHARACTERISED AS A BORDERLINE INSULT ... (your words).

If you find my opinions worthy of criticism, you have that right. As for your suggestion, like I mentioned previously, I've already submitted the suggestion of a recommended operating proceedure, with the emphisis on "power" on several occasions via several mediums.

Perhaps a couple of examples might console you ...

Have a look at <http://www.planetemily.com/ao7/ao7log.php> "USING AO-7" ... (a site I also used to administer). Also, have a look at <http://www.observations.biz> HOW MUCH POWER IS ENOUGH (part 1) ... and the several posting in the last years on this reflector.

I think the texts are self explanitory. I think I've spent enough time and effort on this particular subject.

Should you wish to continue to *shoot the messenger* ... please feel free.

73 John. <la2qaa@...>

690. RE: QRP? (satellites).

Yahoo group: eu-amsat
Date: 2007-04-25 18:13:14 UTC
From: John Hackett
Topic: 690 Message: 690

Bruce,
As they say where I originally come from ... "good on yer mate"...
(your posting did an old heart good).

Please read "HOW MUCH POWER IS ENOUGH" (part 1) at
<http://www.observations.biz/>

73 John. <la2qaa@...>
.....
.....

>From: Bruce Robertson <broberts@...>
>Reply-To: brobertson@...
>To: la2qaa@...
>CC: amsat-bb@...
>Subject: QRP?
>Date: Wed, 25 Apr 2007 13:29:19 -0300
>
>Quoting John Hackett <archie.hackett@...>:
>
> > I read quite recently a post on the Amsat-bb
> >
> > wherea particular station was "explaining" that one *NEEDS* a linear
> > amplifier to work AO-7.
> >
> > Absolutely *not* true ... (using an aerial !!!!! might have
> > helped.....LA2QAA & GM1SXX).
>
>
>We should note that the same problem seems to exist on VO-52, too. About a
>week ago I monitored a pass and was astonished to see a QSO in progress
>which was about 5 S-units above the beacon. As I was trying to figure out
>what was up, the conversation revealed all: the station producing this
>formidable signal explained that it has a 22x22 beam on an az/el rotor and
>was using 20W of uplink power! The returning station, rather than
>suggesting QRP, congratulated his partner on an "excellent, strong signal"
>(which happened to be FM'ing the beacon like crazy.)
>
>As our station improves, we need to lower our uplink power to maintain the
>same EIRP. If you're a newcomer to the SSB/CW birds, don't let these
>concerns deter you from getting your feet wet: just listen for the beacon
>at the beginning of the pass, and start with a downlink signal about this
>level. Those of us who have become accustomed to satellite operation should
>have the courage to recommend lower power to those with whom we're
>conversing, and should, as always, strive to improve our reception.
>

>73, Bruce
>VE9QRP

691. Re: [eu-amsat] Re: SSETI-ESEO Launch Date

Yahoo group: eu-amsat
Date: 2007-04-25 17:28:43 UTC
From: Trevor
Topic: 677 Message: 691

--- Thomas Frey <th.frey@...> wrote:

> I think, P3E will go with the new Soyuz into orbit from the also new
> launchplace in Kourou.

This news story on the new Russian Launchpad appeared at the beginning of March.

Russian Kourou Launch Pad Delay

Commenting on the delay in the construction of a Russian launch pad at the Kourou space center in French Guiana, the Russian space official said workers have been battling with solid rock formations at the construction site and have experienced other technical difficulties.

"This is why the original date for the first Soyuz-ST carrier rocket launch from the space center in Guiana could be postponed for three months, until December 2008," he said.

The 344-million-euro Kourou launch site, located near the equator, will make it possible for Russia's updated Soyuz-ST to orbit heavier cargoes than from the Plesetsk Space Center in northern Russia or the Baikonur launch pad in Kazakhstan.

The project, which is based on a November 2003 agreement between the Russian and French governments, will also allow Russia to substantially expand its commercial use of Soyuz booster rockets on the international market with up to 50 launches by 2010, each costing customers $50 million.

Source: RIA Novosti http://en.rian.ru/
---

73 Trevor M5AKA

_____
Yahoo! Mail is the world's favourite email. Don't settle for less, sign up for your free account today
http://uk.rd.yahoo.com/evt=44106/*http://uk.docs.yahoo.com/mail/winter07.html

692. How much is enough?.

Yahoo group: eu-amsat
Date: 2007-04-25 21:58:19 UTC
From: John Hackett
Topic: 692 Message: 692

Hi all.
Re: the power debate ... From http://observations.biz
.....
.....

POWER. How much is enough? . La2qaa Feb 2006.

There could be many answers to that question but the correct one regarding amateur satellite communications is ...

"Just enough to maintain effective communications".

For instance, how many people reduce their power as the satellite they're operating on approaches TCA ... (time of closest approach) ... a good operator will, because they know that the use of excessive power is *not* good for the transponder. Case in point. When AO-7 first comes up over the horizon you'll probably need "X" amount of power to communicate effectively.

However, after 10-15 minutes, as the range decreases you'll find that a 3dB ... (50%) ... reduction of power will have no effect whatsoever on the signal. A *VERY* sensitive S-meter might show a difference but your ears certainly won't.

Hands up those that actually regulate their power to maintain effective communications ... (No, I didn't think so) ... you should try it sometime, you might get a surprise.

By the way, we do know ... (don't we?) ... why most satellites have a beacon?. One of the principal
reason, after telemetry, for a beacon is so that you can regulate your power to be consistent with that beacon, it's your reference. No signal should EVER be more powerful than the beacon.

Naturally, it will also serve as your propagation reference.
.....
.....

For those cases where a beacon isn't operative (read AO-7) you can use VE2DWE's sensible suggestion of tuning up and down the band and regulating your power to be consistent with known non-alligator stations.

Alligator = all mouth and no ears.

Remember the old adage, if you can't hear them you can't work them.

A decent receive aerial ought to be the most important part of an amateur satellite station.

73 John. <la2qaa@...>

693. How much is enough?.

Yahoo group: eu-amsat
Date: 2007-04-25 21:58:19 UTC
From: John Hackett
Topic: 692 Message: 693

Hi all.
Re: the power debate ... From http://observations.biz
.....
.....

POWER. How much is enough? . La2qaa Feb 2006.

There could be many answers to that question but the correct one regarding amateur satellite communications is ...

"Just enough to maintain effective communications".

For instance, how many people reduce their power as the satellite they're operating on approaches TCA ... (time of closest approach) ... a good operator will, because they know that the use of excessive power is *not* good for the transponder. Case in point. When AO-7 first comes up over the horizon you'll probably need "X" amount of power to communicate effectively.

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reason, after telemetry, for a beacon is so that you can regulate your power to be consistent with that beacon, it's your reference. No signal should EVER be more powerful than the beacon.

Naturally, it will also serve as your propagation reference.
.....
.....

For those cases where a beacon isn't operative (read AO-7) you can use VE2DWE's sensible suggestion of tuning up and down the band and regulating your power to be consistent with known non-alligator stations.

Alligator = all mouth and no ears.

Remember the old adage, if you can't hear them you can't work them.

A decent receive aerial ought to be the most important part of an amateur satellite station.

73 John. <la2qaa@...>

694. FO-29 back again ?!?

Yahoo group: eu-amsat
Date: 2007-04-26 14:39:07 UTC
From: SV1BSX
Topic: 694 Message: 694

Hi all,
don't "shoot" me if I'm wrong, but I think FO-29
is back!

Today 26 April 2006 between 14:10-14:16 UTC
(#52.792 orbit) I HEARD (!!!) a continue carrier in
FO-29's beacon frequancy !

I was starting to monitor the frequency with a delay,
I forgot this time the pass of Satellite (every day I
monitored it.)

Well, the Sat was over Libya (N.Africa), close to me
with 32 Degr. Elevation, in very good range for me.

Looking for any activity I tuned my receiver to Beacon
frequancy and... what a surprise!

I received a strong carrier arround 435.799.
The carrier was following the usual doppler-shift, so
after 6 mins dropped-down to 435.788 MHz !! That
is very normal and confirmed to me the Satellite
signal!

At this point my QTH has no clear horizon (340 degr.)
even if the Satellite was high enough, at 24 degr.
Elev. So after 1 min I lost the signal completely.

Please keep monitoring the FO-29 and send your
reports. May be FO-29 is back again !

73, Mak SV1BSX

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around
http://mail.yahoo.com

695. IRB's and Satellites.

Yahoo group: eu-amsat
Date: 2007-04-26 14:39:24 UTC
From: John Hackett
Topic: 695 Message: 695
Attachments: 1 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 26-04-2007.

INTERNET REMOTE BASE STATIONS FOR SATELLITES.

Love 'em or hate 'em ... IRB'as are a part of amateur radio.

So ... why would LA2QAA want to use one?. Well, they can! be used for operating satellites.

On a recent (unsheduled) visit to the local horse-spittle ... (I don't like these places, they're always full of sick! people) ... the surgeons positively refused !! to allow me to set up the satellite array in the intensive care unit while they performed renovation work on the pig's heart in LA2QAA's chest ... (oink!).

(PAPPA INDIA GOLF as in smoked bacon, not two legged creature with badge).

Their excuse was that the rotor noise might disturb the other patients snoring ... so lying connected to various hospital type spectrum analysers and other pieces of apparatus has a tendency to put a serious crimp in satellite operating for a while and it initiated the reasoning behind why LA2QAA might want to use an IRB, to get round the issue of being denied aerial privilages.

The following is a short article destined for the Observations from Norway pages on <http://observations.biz>

.....
.....

AMATEUR SATELLITES AND IRB's

(IRB station = Internet Remote Base station).

FOR PEOPLE WISHING TO OPERATE AMATEUR SATELLITES BUT DON'T HAVE THE EQUIPMENT OR KNOW-HOW.

(The know-how can be found elsewhere on this website).

Visitors to the <http://www.observations.biz/> web page will soon become aware that LA2QAA & GM1SXX are always trying to help newcomers to amateur satellite operating by providing hints and tips in their satellite related articles.

Two of the main excuses used by potential newcomers for *NOT* operating on satellites are ...

1) The sophisticated equipment that is necessary is too expensive ...

and ...

2) I don't have the possibility of erecting rotatable beams ...

The facts are, neither of the above arguments are valid because ...

1) You don't *NEED* sophisticated equipment ...

and ...

2) Rotatable beams are *NOT* necessary to work satellites that are in low earth orbit (LEO).

While it is true that AMSAT (The Amateur Satellite Corporation) prefer to promote satellites with "cutting edge" technology that require expensive equipment, there ARE satellites that only require relatively simple equipment ... a flying FM repeater like AO-51 and analogue ... (CW/SSB) ... satellites like AO-7 and VO-52.

Even if you don't have the necessary equipment at home to use any of these satellites, providing you have access to the Internet with at least a 300bps modem (preferably faster) you *CAN* work these satellites using only your computer!!.

Unlike Echolink, which is a 100% Internet based system, an IRB (Internet Remote Base) station transmits and receives via the ionosphere just like any "normal" amateur radio and aerial system. You only connect via the Internet to the remote base station ... the IRB transmits and receives your signal to and from the satellite via the ionosphere.

You can control all aspects of the remote rig directly from your computer keyboard or even use a 3G mobile phone. (LA2QAA has actually done it like this using Remote Desktop for Mobile phones software).

With the VK3UR IRB you can even turn the 70cm aerial remotely as well as choosing an appropriate power level setting, different modes, filters, adjust AF and RF gain etc just as if you were actually sitting in front of the rig. The VK3UR IRB uses a TS2000 transceiver so there are a lot of options.

Before reading further, it would be advisable to read "HOW MUCH POWER IS ENOUGH", part 1 on ...

<http://www.observations.biz>

HOW TO OPERATE THE VK3UR REMOTE BASE STATION FOR AO-7.

First ... read the instructions !!! and familiarise yourself with the rig's controls for changing frequency and the use of filters, operating modes and rotor control etc.

Next, tune the TX to 432.150 Mhz LSB, press "S" on your keyboard, this will put the radio into SPLIT mode, then tune the RX to 145.941 Mhz USB ... make sure you have a suitable tracking program on your desktop that calculates the azimuth and elevation as well as the necessary doppler offset. (LA2QAA

uses NOVA). Now you can remotely turn the 70cm yagi towards AO-7 and operate just as if you were operating from your own shack.

REMEMBER !!! ... set up your tracking software QTH as Victoria, Australia ... *NOT* your home QTH ... otherwise the passes will be (literally) half a world !! off.

Also remember ... to stay legal, you have to identify at least every 10 minutes so you operate with the callsign VK3/YOUR CALL ... it is advisable to mention you're operating via the VK3UR IRB in Victoria, Australia so that the Ozzies don't think you're a pirate playing Silly Sods.

The coordinates for VK3UR are ... 37 degrees, 33 minutes, 43 seconds SOUTH and 143 degrees,
49 minutes, 7 seconds EAST in Victoria, Australia. (Enter these coordinate into your tracking program).

At the time of writing (24-04-07) the IRB is not set up for FULL duplex operation but you should have no trouble at all working ANALOGUE LEO satellites like AO-7 or VO-52 using this method.
The station is already set up for FM use with automatic doppler tracking and tuning for AO-51 or
The ISS ... (see the SETUP menu "special settings", satellite operations).

As well as having the radio interface on my desktop I have NOVA + the doppler corrections visible.
Of course, this won't be FULL duplex operation but you won't have any problem at all working ANALOGUE satellites with this set-up.

As with all satellite operating ... get into the habit of using those rather wierd things stuck to the side of your head ... (he means EARS, folks). LISTEN before you speak. Where appropriate, listen to the beacon BEFORE transmitting and "guesstimate" your power accordingly ... (now you know why FULL duplex is recommended for operating via satellite).

Actually, the MONITOR facility "could" be used if the IRB software was "tweaked" slightly.

You can obtain a password for operating the VK3UR IRB by sending the owner a copy of your current licence ... (providing it's a reciprocal licence with VK) ... to <dave@...>

The service requires no registration or donation fee.

Have fun!.

73 LA2QAA John. <la2qaa@...>
.....
.....

One very useful feature is that an IRB in a location remote from your normal operating position allows you to perform propagation comparisons.

Another is ... (in my particular case) ... soon after I lose AO-7 on certain passes at Frei Island, Norway ... (home QTH) ... I can pick it up again from Reston, Virginia ... (IRB).

The main advantage next to the aerial restriction issue is that an IRB allows those amateurs whom don't have the necessary equipment to try their hand at satellite operation, therefore, hopefully, bringing in some new recruits.

73 John. <la2qaa@...>

696. Re: [eu-amsat] FO-29 back again ?!?

Yahoo group: eu-amsat
Date: 2007-04-26 15:53:57 UTC
From: Thomas Frey
Topic: 694 Message: 696

SV1BSX schrieb:
> Hi all,
> don't "shoot" me if I'm wrong, but I think FO-29
> is back!
>
> Today 26 April 2006 between 14:10-14:16 UTC
> (#52.792 orbit) I HEARD (!!!) a continue carrier in
> FO-29's beacon frequancy !
>
> I was starting to monitor the frequency with a delay,
> I forgot this time the pass of Satellite (every day I
> monitored it.)
>
> Well, the Sat was over Libya (N.Africa), close to me
> with 32 Degr. Elevation, in very good range for me.
>
> Looking for any activity I tuned my receiver to Beacon
> frequancy and... what a surprise!
>
> I received a strong carrier arround 435.799.
> The carrier was following the usual doppler-shift, so
> after 6 mins dropped-down to 435.788 MHz !! That
> is very normal and confirmed to me the Satellite
> signal!
>
> At this point my QTH has no clear horizon (340 degr.)
> even if the Satellite was high enough, at 24 degr.
> Elev. So after 1 min I lost the signal completely.
>
> Please keep monitoring the FO-29 and send your
> reports. May be FO-29 is back again !
>
> 73, Mak SV1BSX
>
>
>
Hello Mak

It could be the BPSK-beacon from IO-26 at the same frequency !

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

697. Re: [amsat-bb] FO-29 back again ?!?

Yahoo group: eu-amsat
Date: 2007-04-26 16:25:07 UTC
From: Andrew Glasbrenner
Topic: 697 Message: 697

If I remember correctly at the end of it's life FO-20's beacon was just a carrier. Same frequency also.

73, Drew KO4MA

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: <eu-amsat@yahoogroups.com>
Cc: <amsat-bb@...>
Sent: Thursday, April 26, 2007 10:39 AM
Subject: [amsat-bb] FO-29 back again ?!?

> Hi all,
> don't "shoot" me if I'm wrong, but I think FO-29
> is back!
>
> Today 26 April 2006 between 14:10-14:16 UTC
> (#52.792 orbit) I HEARD (!!!) a continue carrier in
> FO-29's beacon frequancy !
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> reports. May be FO-29 is back again !
>
> 73, Mak SV1BSX
>
>

> _____
> Do You Yahoo!?
> Tired of spam? Yahoo! Mail has the best spam protection around
> http://mail.yahoo.com
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

698. Satgate System to QRT, FO-29 analog transponder quits

Yahoo group: eu-amsat
Date: 2007-04-26 16:01:46 UTC
From: Thomas Frey
Topic: 698 Message: 698

Read @ http://www.arrl.org/?artid=7406

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

699. Re: [eu-amsat] FO-29 back again ?!?

Yahoo group: eu-amsat
Date: 2007-04-26 16:37:21 UTC
From: SV1BSX
Topic: 694 Message: 699

... yes Thomas, "damned" incidence !

IO-26 has same frequency & just the same footprint
today with FO-29!!

I apologize but as I said on my message:

"Don't *shoot* me if I'm wrong."

DUM SPIRO SPERO (=While I breath, I hope) my
friends...

73, Mak SV1BSX

ps: tks also to Masa JN1GKZ... he noticed just
the same about IO-26.

--- Thomas Frey <th.frey@...> wrote:
> Hello Mak
>
> It could be the BPSK-beacon from IO-26 at the same
> frequency !
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
>
>
>
> SV1BSX schrieb:
> > Hi all,
> > don't "shoot" me if I'm wrong, but I think FO-29
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> >
> >
> >

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. +
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> Yahoo! Groups Links
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http://mail.yahoo.com

700. (no subject)

Yahoo group: eu-amsat
Date: 2007-04-27 12:24:57 UTC
From: John Hackett
Topic: 700 Message: 700

Hello Folks,
Here's the link to the full "Satellites and IRB's" article.

<http://www.observations.biz/Observations_from_Norway/Observations_27_04_2007.htm>

73 John. <la2qaa@...>

701. Re: [eu-amsat] IRBs / was (unknown)

Yahoo group: eu-amsat
Date: 2007-04-27 13:01:32 UTC
From: Thomas Frey
Topic: 700 Message: 701

John Hackett schrieb:
> Hello Folks,
> Here's the link to the full "Satellites and IRB's" article.
>
> <http://www.observations.biz/Observations_from_Norway/Observations_27_04_2007.htm>
>
> 73 John. <la2qaa@...>
>
>
Hello All

I am very conservative in such things. If I want to operate via
satellites, then I want to use my _own_ Rig and my _own_ antennas
so I can make my _own_ QSOs. Am I too conservative ?

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

702. Re: missing the FO satellites.

Yahoo group: eu-amsat
Date: 2007-04-27 16:41:32 UTC
From: John Hackett
Topic: 702 Message: 702

Hello Frank,
In the course of writing a new article I was just
researching one of my old waffles and noticed that you andI had a 9 minute
(CW) QSO via FO-20 ... 9 years ago. K9CIS got quite a write-up too ! ...
ha-ha-ha. The wheel keeps turning so it was nice to hook up again on AO-7.

I too miss the FO satellites ... they were my all time favourites.

I managed LA to JA on FO-20 and to the best of my knowledge that's still a
LEO record.

So sad to see FO-29 go down but hey!, none of us live forever, it sometimes
just "feels" like we do.

73 John. <la2qaa@...>

703. Re: [eu-amsat] IRBs / was (unknown)

Yahoo group: eu-amsat
Date: 2007-04-27 15:59:40 UTC
From: John Hackett
Topic: 700 Message: 703

Thomas,
The article in question was not aimed at experienced operators.

As I wrote ... the IRB article was aimed at the potential newcomer who *MAY NOT* have
the necessary equipment and know how to operate a satellite ... but may want to try! ... in other words, an attempt to encourage possible new beginners to satellite operating.

One comment from the USA mentions the fear of "intruders" and QRM. This is unfounded since all IRB control operators require a copy of your amateur license before you're allowed the privilage of using the station ... which of course, is in their own vested interests ... otherwise the station would be down faster than Raquel Welch's knickers in the 60's.

If a "licensed" amateur causes deliberate QRM? ... well, that happens with non-IRB stations doesn't it. As for not knowing the proceedure ... again, referenced in recommended further reading.

73 John. <la2qaa@...>

704. Re: [eu-amsat] IRBs / was (unknown)

Yahoo group: eu-amsat
Date: 2007-04-27 19:08:05 UTC
From: SV1BSX
Topic: 700 Message: 704

Hi John, and Group,

well, with interesting I read all... your page (and
CONGRAT'S for your work), the comments etc.

Firstly, I would like to say that:
I'm not negative to IRB. Seems to be very exciting the
tele-commanding of a ground-station in VK-land (or
anywhere else) in order to talk through a Satellite.
I like this experience... on the other hand I agree
with comment: "it's not the real radio amateur..".

OK, that's clear.

BUT, as I read and studying this system, I believe
that it is not quite simple for a "beginner", without
experience. I think it should be very difficult to
manipulate this system.
I'm afraid that he has... to "fight" with a PC,
several running softwares and of course - with the
"VK-side" station, "hunting" a fast-moving-target,
like the Satellite! And at my opinion, this way
through IRB is much-much harder and much-more
difficult & complex job for a beginner, compared with
a normal Shack operation.

I believe that IRB it's a great "toy" for an expert
Satelliter, in order to take another point of view
about Satellite's operation. It's great to have
somebody the experience to talk on Satellites as
VK/xxxxx ! (and I will try it ASAP).
But as I said, like a "big-boy's toy". Nothing more.

Just my opinion.... "don't *shoot* the... pianist" !

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Thomas,
> The article in question was not aimed at
> experienced operators.
>
> As I wrote ... the IRB article was aimed at the
> potential newcomer who *MAY
> NOT* have
> the necessary equipment and know how to operate a

> satellite ... but may want
> to try! ... in other words, an attempt to encourage
> possible new beginners
> to satellite operating.
>
> One comment from the USA mentions the fear of
> "intruders" and QRM. This is
> unfounded since all IRB control operators require a
> copy of your amateur
> license before you're allowed the privilage of using
> the station ... which
> of course, is in their own vested interests ...
> otherwise the station would
> be down faster than Raquel Welch's knickers in the
> 60's.
>
> If a "licensed" amateur causes deliberate QRM? ...
> well, that happens with
> non-IRB stations doesn't it. As for not knowing the
> proceedure ... again,
> referenced in recommended further reading.
>
> 73 John. <la2qaa@...>
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> Yahoo! Groups Links
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705. Piano players!.

Yahoo group: eu-amsat
Date: 2007-04-27 20:57:26 UTC
From: John Hackett
Topic: 700 Message: 705

Mak,
I wouldn't dream !!! of shooting the pianist ... I might shoot the guitarists though ...
(LA2QAA & GM1SXX) ... You make some very valid points Mak ... and unlike some of our American cousins, we on this side of the Atlantic are able to behave like gentlemen and express opinions without the need to use abuse ... that's great !!! ... and was of course part of the original idea when you and I started this forum.

Well done !!! Mak ... CONSTRUCTIVE differences of opinion ensures we *ALL* learn something.

On reflection, you're absolutely right regarding the analogue modes via IRB's ... the myriad of techniques used to successfully track and tune AO-7 and VO-52 need a bit of "experience" ... however! ... for the simple FM repeater on AO-51 everything is TOTALLY automated ... (tracking, tuning, pass times, auto-doppler) ...the plus side being ... it's *VERY* easy to operate ... the minus side ... the newcomer won't *learn* very much.

I must admit, my sole intention was to suggest a platform for those people who for varying reasons can't operate their own satellite stations ... aerial restrictions, lack of funds etc ...

In my particular case, when I move into a retirement home I will still be able to operate the satellites even if I'm refused permission to erect a satellite array.

As you'll have noticed, lately, we're getting a few more members from VK and NA ... I told !!! you this would happen. A lot of the credit is due to the interesting files submitted (DUBUS etc). I get this magazine but there are a lot who don't so it's a very !!! useful addition.

Another reason is the *LACK* of politics and "flaming" ... like some other reflectors we all know of.

Restricting to "callsigns" was smart !! Mak ... OK, that's enough credit for one mail, we don't want you getting big-headed! ... ha ha ha.

Cheers! Mate.

73 John. <la2qaa@...>
.....
.....

>From: SV1BSX <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com

>Subject: Re: [eu-amsat] IRBs / was (unknown)
>Date: Fri, 27 Apr 2007 12:08:05 -0700 (PDT)
>
> Hi John, and Group,
>
> well, with interesting I read all... your page (and
>CONGRAT'S for your work), the comments etc.
>
> Firstly, I would like to say that:
>I'm not negative to IRB. Seems to be very exciting the
>tele-commanding of a ground-station in VK-land (or
>anywhere else) in order to talk through a Satellite.
> I like this experience... on the other hand I agree
>with comment: "it's not the real radio amateur..".
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>OK, that's clear.
>
> BUT, as I read and studying this system, I believe
>that it is not quite simple for a "beginner", without
>experience. I think it should be very difficult to
>manipulate this system.
> I'm afraid that he has... to "fight" with a PC,
>several running softwares and of course - with the
>"VK-side" station, "hunting" a fast-moving-target,
>like the Satellite! And at my opinion, this way
>through IRB is much-much harder and much-more
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> I believe that IRB it's a great "toy" for an expert
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>73, Mak SV1BSX
>
>
>--- John Hackett <archie.hackett@...> wrote:
>
> > Thomas,
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> > As I wrote ... the IRB article was aimed at the
> > potential newcomer who *MAY
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> > 73 John. <la2qaa@...>
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> > Yahoo! Groups Links
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>_____
>Do You Yahoo!?
>Tired of spam? Yahoo! Mail has the best spam protection around
>http://mail.yahoo.com

706. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-04-27 21:48:06 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 706

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /PATCH Antennas/The_Basics_Of_Patch_Antennas.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : Basic Theory of "mysterious" Patch-Antennas

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/PATCH%20Antennas/The_Basics_Of_Patch_Antennas
.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

707. Re: [eu-amsat] Piano players!.

Yahoo group: eu-amsat
Date: 2007-04-28 00:10:54 UTC
From: SV1BSX
Topic: 700 Message: 707

....I completely agree with your reply, John.

Sorry, it was my mistake indeed.

Just I forgot the FM-birds, as they are always on
the... "dark-side" of my mind. You know, very close to
"Parkinson's and Alzheimer's" part of human brain.

Have a nice weekend

73, Mak SV1BSX

Athens - KM17UW

--- John Hackett <archie.hackett@...> wrote:

> Mak,
> I wouldn't dream !!! of shooting the pianist
> ... I might shoot the
> guitarists though ...
> (LA2QAA & GM1SXX) ... You make some very valid
> points Mak ... and unlike
> some of our American cousins, we on this side of the
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> platform for those people
> who for varying reasons can't operate their own
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> interesting files submitted (DUBUS etc). I get this
> magazine but there are a
> lot who don't so it's a very !!! useful addition.
>
> Another reason is the *LACK* of politics and
> "flaming" ... like some other
> reflectors we all know of.
>
> Restricting to "callsigns" was smart !! Mak ... OK,
> that's enough credit for
> one mail, we don't want you getting big-headed! ...
> ha ha ha.
>
> Cheers! Mate.
>
> 73 John. <la2qaa@...>
>
.....
.....
>
>
>
> >From: SV1BSX <sv1bsx@...>
> >Reply-To: eu-amsat@yahoogroups.com
> >To: eu-amsat@yahoogroups.com
> >Subject: Re: [eu-amsat] IRBs / was (unknown)
> >Date: Fri, 27 Apr 2007 12:08:05 -0700 (PDT)
> >
> > Hi John, and Group,
> >
> > well, with interesting I read all... your page
> (and
> >CONGRAT'S for your work), the comments etc.
> >

> > Firstly, I would like to say that:
> >I'm not negative to IRB. Seems to be very exciting
> the
> >tele-commanding of a ground-station in VK-land (or
> >anywhere else) in order to talk through a
> Satellite.
> > I like this experience... on the other hand I
> agree
> >with comment: "it's not the real radio amateur..".
> >
> >OK, that's clear.
> >
> > BUT, as I read and studying this system, I
> believe
> >that it is not quite simple for a "beginner",
> without
> >experience. I think it should be very difficult to
> >manipulate this system.
> > I'm afraid that he has... to "fight" with a PC,
> >several running softwares and of course - with
> the
> >"VK-side" station, "hunting" a fast-moving-target,
> >like the Satellite! And at my opinion, this way
> >through IRB is much-much harder and much-more
> >difficult & complex job for a beginner, compared
> with
> >a normal Shack operation.
> >
> > I believe that IRB it's a great "toy" for an
> expert
> >Satelliter, in order to take another point of view
> >about Satellite's operation. It's great to have
> >somebody the experience to talk on Satellites as
> >VK/xxxxx ! (and I will try it ASAP).
> > But as I said, like a "big-boy's toy". Nothing
> more.
> >
> > Just my opinion.... "don't *shoot* the...
> pianist" !
> >
> >73, Mak SV1BSX
> >
> >
> >--- John Hackett <archie.hackett@...>
> wrote:
> >
> > > Thomas,
> > > The article in question was not
> aimed at
> > > experienced operators.

> > >
> > > As I wrote ... the IRB article was aimed at the
> > > potential newcomer who *MAY
> > > NOT* have
> > > the necessary equipment and know how to operate
> a
> > > satellite ... but may want
> > > to try! ... in other words, an attempt to
> encourage
> > > possible new beginners
> > > to satellite operating.
> > >
> > > One comment from the USA mentions the fear of
> > > "intruders" and QRM. This is
> > > unfounded since all IRB control operators
> require a
> > > copy of your amateur
> > > license before you're allowed the privilage of
> using
> > > the station ... which
> > > of course, is in their own vested interests ...
> > > otherwise the station would
> > > be down faster than Raquel Welch's knickers in
> the
> > > 60's.
> > >
> > > If a "licensed" amateur causes deliberate QRM?
> ...
> > > well, that happens with
> > > non-IRB stations doesn't it. As for not knowing
> the
> > > proceedure ... again,
> > > referenced in recommended further reading.
> > >
> > > 73 John. <la2qaa@...>
> > >
> > >
> > >
> > >
> > >
> > > Yahoo! Groups Links
> > >
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> > >
> > >
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> >
> >_____
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> protection around
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> Yahoo! Groups Links
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708. Re: [eu-amsat] IRBs / was (unknown)

Yahoo group: eu-amsat
Date: 2007-04-28 11:34:51 UTC
From: Thomas Frey
Topic: 700 Message: 708

SV1BSX schrieb:
> Hi John, and Group,
>
> well, with interesting I read all... your page (and
> CONGRAT'S for your work), the comments etc.
>
> Firstly, I would like to say that:
> I'm not negative to IRB. Seems to be very exciting the
> tele-commanding of a ground-station in VK-land (or
> anywhere else) in order to talk through a Satellite.
> I like this experience... on the other hand I agree
> with comment: "it's not the real radio amateur..".
>
> OK, that's clear.
>
> BUT, as I read and studying this system, I believe
> that it is not quite simple for a "beginner", without
> experience. I think it should be very difficult to
> manipulate this system.
> I'm afraid that he has... to "fight" with a PC,
> several running softwares and of course - with the
> "VK-side" station, "hunting" a fast-moving-target,
> like the Satellite! And at my opinion, this way
> through IRB is much-much harder and much-more
> difficult & complex job for a beginner, compared with
> a normal Shack operation.
>
> I believe that IRB it's a great "toy" for an expert
> Satelliter, in order to take another point of view
> about Satellite's operation. It's great to have
> somebody the experience to talk on Satellites as
> VK/xxxxx ! (and I will try it ASAP).
> But as I said, like a "big-boy's toy". Nothing more.
>
> Just my opinion.... "don't *shoot* the... pianist" !
>
> 73, Mak SV1BSX
>
I fully agree with you Mak. But to steer a receiver remotely will
be interesting for a newcomer. This receiver must be fully automatic,
so you have only to click the button for the satellite you want to
receive.

Just my opinion, don't shoot me ;-)

>
> --- John Hackett <archie.hackett@...> wrote:
>
>
>> Thomas,
>> The article in question was not aimed at
>> experienced operators.
>>
>> As I wrote ... the IRB article was aimed at the
>> potential newcomer who *MAY
>> NOT* have
>> the necessary equipment and know how to operate a
>> satellite ... but may want
>> to try! ... in other words, an attempt to encourage
>> possible new beginners
>> to satellite operating.
>>
>> One comment from the USA mentions the fear of
>> "intruders" and QRM. This is
>> unfounded since all IRB control operators require a
>> copy of your amateur
>> license before you're allowed the privilage of using
>> the station ... which
>> of course, is in their own vested interests ...
>> otherwise the station would
>> be down faster than Raquel Welch's knickers in the
>> 60's.
>>
>> If a "licensed" amateur causes deliberate QRM? ...
>> well, that happens with
>> non-IRB stations doesn't it. As for not knowing the
>> proceedure ... again,
>> referenced in recommended further reading.
>>
>> 73 John. <la2qaa@...>
>>
>>
>>
>>
>>
>> Yahoo! Groups Links
>>
>>
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>

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

709. 23cm-2m Transverter on eBay

Yahoo group: eu-amsat
Date: 2007-04-29 18:19:55 UTC
From: SV1BSX
Topic: 709 Message: 709

.. for those interested, this TRSVRTer is made from
article which I have added in "Dubus-folder" (23 cm
by OE2PMJ.

http://groups.yahoo.com/group/eu-amsat/files/DUBUS/23cm/

Starting bid 80 Euros or "Buy it now" for 150 Euros
(seller wrote "EUropeans bid-ers only")... not quite
cheap but maybe interesting for somebody in our list.

You can find it in eBay-Germany by following the URL:

http://cgi.ebay.de/23cm-2m-Transverter-nach-OE2PMJ_W0QQitemZ140111012424QQihZ004QQcategory
Z12968QQrdZ1QQcmdZViewItem

(be careful to "highlight & copy" from above "URL"
all letters into your browser!)

73, Mak

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710. Fair comment.

Yahoo group: eu-amsat
Date: 2007-05-01 10:19:53 UTC
From: John Hackett
Topic: 710 Message: 710

Hi All,
Unfortunately, the new Russian stations that "discovered" AO-7 today ... (01-05-07) ... have obviously *NOT* read the recommended operating proceedure for this satellite.

The transponder was FM'ing like nobody's !! business ... my pleas of ... PLEASE!!!! QRP ... to two of them fell on completely deaf ears. Surely, all Hams know what QRP ... (sent as a request - not as an interogerative) ... means?.

We really *DON'T* want to fry the electronics so soon after losing FO-29.

I suspect that some stations don't actually *listen* to what is being said ... but just give the obligatory 599 report regardless !!. I made the request in both English "AND" Russian but the stations concerned didn't reply.

The *infamous* QSB ?? ...

73 John. <la2qaa@...>

711. FO-29 Operation Pause (Fwd from JARL)

Yahoo group: eu-amsat
Date: 2007-05-05 22:05:43 UTC
From: SV1BSX
Topic: 711 Message: 711

From: Mineo Wakita <ei7m-wkt@...>
Date: Sat, 05 May 2007 18:19:04 +0900
Subject: [amsat-bb] FO-29 Operation Pause (Fwd from JARL)

About "Fuji-3" Present Condition and Operation:
(Although the normal operation is checked, the operation is
stopped for a while.)

It is as a previous report an amateur satellite "Fuji-3" (JAS-2, FO-29, 8J1JCS) of JARL. From 21 April, 2007, although the analog system transponder had stopped, we announce you the subsequent present condition.

On 3 May, Thu. 16:00 (UTC),
We could check an analog system transponder (JTA) of "Fuji-3" was worked to ON and OFF by command from a GS control office and there was no fault in a command system.

On 4 May, Fri., we made turn ON the analog system transponder, and the electric power income and outgo were checked. The rate of the shade was 25%, so the electric power income and outgo turned out that it is in a quite severe state.

Since the check of the electric power income and outgo, the battery reconditioning, etc. are worked, we do as stopping the operation of "Fuji-3" for a while. Although we cause users much anxiety, we consent-wish-do.

In addition, although it may turn ON temporarily an analog system transponder over Japan during an operation dormant period, please refrain from use of transponder such as a loop test and a communication.

Translated by JE9PEL, Mineo Wakita.

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712. Obligatory.

Yahoo group: eu-amsat
Date: 2007-05-06 09:58:37 UTC
From: John Hackett
Topic: 712 Message: 712

Hello Al,
Just been listening to an "American" pass of AO-51 ... this should be obligatory for potential new satellite operators ... a perfect example of *HOW NOT* to operate a satellite.

The nearest I could describe it is a bit like a fox in a henhouse ... or ... *TOTAL* chaos ... the FM capture effect workks BRILLIANTLY !!! (not) on satellites with many users.

Seriously ... NASA can get away with it (FM) with one (1) user but when you have 20 (literally) in the passband the chaos is COMPLETE.

I wonder if the designers have listened to something like this ... I'm reasonably sure if they had they'd change their opinion of FM on an "AMATEUR" satellite quick sharp.

Civilian operators just don't have the dicipline and knowledge for SSSH ... (short, sharp, sh*t hot) ... operating but have a tendency to err more towards ... "Errr ... I'm using ... errr ... a pair of .... err grey socks today ... err and the weather ... err is a bit ... errr ... (Satellite goes LOS).

73 John.

713. Re: [eu-amsat] Obligatory.

Yahoo group: eu-amsat
Date: 2007-05-06 11:07:51 UTC
From: Thomas Frey
Topic: 712 Message: 713

John Hackett schrieb:
> Hello Al,
> Just been listening to an "American" pass of AO-51 ... this
> should be obligatory for potential new satellite operators ... a perfect
> example of *HOW NOT* to operate a satellite.
>
> The nearest I could describe it is a bit like a fox in a henhouse ... or ...
> *TOTAL* chaos ... the FM capture effect workks BRILLIANTLY !!! (not) on
> satellites with many users.
>
I agree with you John. Its like in an ape-house in a zoo. No more comments,
its a shame.

But why American passes ? There are the European passes. Or have I not
understood your "American" ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

714. RE:obligatory

Yahoo group: eu-amsat
Date: 2007-05-06 11:57:44 UTC
From: Luc Leblanc
Topic: 714 Message: 714

Hi folks

Don't even think putting this on AMSA-NA BB you will be "excommunicate" They are in a censorship mode with the Dayton Hamfest coming as they feel all truth is not good to be disclose.

"Just been listening to an "American" pass of AO-51"

"-"
"Others defects are like cars headlamps that's only the ones on the others car who bothered us"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

715. Re: [eu-amsat] Obligatory.

Yahoo group: eu-amsat
Date: 2007-05-06 12:21:38 UTC
From: SV1BSX
Topic: 712 Message: 715

...I agree with you John but, on the other hand
several "European" passes are not better, sometimes.

I was listening before 2-3 days on the same Satellite
and somebody was calling CQ-SAT. After 2-3 CQ-calls,
another - 2nd guy (the No2-user), immediately he
called a "new" CQ CQ-SAT. And after the second
CQ-caller, some other guy (third, the No3-user!) he
called another-new CQ-SAT !!!

I was wondering... if the first user was calling CQ,
why the next users called CQ again and they did not
answer to first CQ-er??? Question-mark!

Finally, the 3rd (No3-user) he answered to a... 4th
user (at least the 4th he didn't call CQ !)
The unbelievable story continued, the 1st-guy during
the QSO between 3rd & 4th, he didn't "give-up".
He continued to call CQ CQ-SAT (!!!) between "overs",
when the QSO was in action among 3rd & 4th! As you can
imagine, the No3 and 4 users they spent all the time
of Satellite-pass, in order to exchange
reports and Grid-locators due to the QRM from No1
user. What a stupid-man!

I was listening for about 8 mins and just
one QSO was realised, between 4 users, during the
whole pass. Great!
I can't imagine the scenario with more users !
It was quite enough that. Thanks!

Closing, I have to laugh with your phrase "like the
fox in a henhouse"!
However, by listening a pass as abovementioned, I'm
thinking also the "Babel's tower" in a new "High-tech"
version.

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Hello Al,
> Just been listening to an "American"
> pass of AO-51 ... this
> should be obligatory for potential new satellite
> operators ... a perfect
> example of *HOW NOT* to operate a satellite.

>
> The nearest I could describe it is a bit like a fox
> in a henhouse ... or ...
> *TOTAL* chaos ... the FM capture effect workks
> BRILLIANTLY !!! (not) on
> satellites with many users.
>
> Seriously ... NASA can get away with it (FM) with
> one (1) user but when you
> have 20 (literally) in the passband the chaos is
> COMPLETE.
>
> I wonder if the designers have listened to something
> like this ... I'm
> reasonably sure if they had they'd change their
> opinion of FM on an
> "AMATEUR" satellite quick sharp.
>
> Civilian operators just don't have the dicipline and
> knowledge for SSSH ...
> (short, sharp, sh*t hot) ... operating but have a
> tendency to err more
> towards ... "Errr ... I'm using ... errr ... a pair
> of .... err grey socks
> today ... err and the weather ... err is a bit ...
> errr ... (Satellite goes
> LOS).
>
> 73 John.
>
>
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716. Mutual window calculator?

Yahoo group: eu-amsat
Date: 2007-05-06 14:13:36 UTC
From: SV1BSX
Topic: 716 Message: 716

Hi all,

I was looking on NOVA-software for the possible
"mutual window's" prediction between VE-SV via a
Satellite, in order to determine the better passes
between 2 Grid-Locators (or 2 cities).
However, I can't find something useful.

For example, I would like to have the summary-list
(in a print-paper or file/screen)) of AO-7's
mutual-windows between two known Grid-locators for the
next month.

BTW, NOVA offers the possibility to put (and edit) a
2nd "Observer", but I can't see where that could be
help me in order to know the request list.
Also I didn't read any similar discription into HELP
file.

Is it any other software which covers that what I
need, or Am I missing something from NOVA?

Thanks in advance

73, Mak SV1BSX

_____
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717. Re: [eu-amsat] Obligatory.

Yahoo group: eu-amsat
Date: 2007-05-06 14:20:19 UTC
From: John Hackett
Topic: 712 Message: 717

Hi Thomas,
As for the wording "American pass" in my post, merely
coincidental, I just happened to be listening via an IRB station.

Personally, I've only ever worked FM on a satellite once ... (OE/W0SL on
AO-27) ... and only then because it happened to be Roy.

I really don't see the point of ... *LA2QAA in JP33WB. 73* ... and think
that FM is a really inefficient use of a satellite when there are many
potential users in the passband ... that's just my personal opinion, I've
never been a fan of FM via *AMATEUR* satellites ... I believe they teach the
potential newcomer the wrong things.

Like I mentioned, it's OK for NASA or single channel/single station
operating but IMHO *not* very suitable for amateur satellites. I had
expected more foresight from the Amsat B.O.D. regarding AO-51.

By the way Luc ... I know !!!!!!!! ... but it will find it's way there
anyway !! since I'm fully aware we have a member of the board on this
reflector.

Mak and I started this as an 'OPEN' reflector and everybody is entitled to
an opinion ... and I do believe they *WON'T* be flamed by other European
operators for actually having the audacity ...
(tongue-in-cheek) ... to express that opinion ... providing that it's
satellite orientated.

I always enjoy and appreciate your sensible comments Thomas.

73 John. <la2qaa@...>

718. RE: [eu-amsat] Mutual window calculator?

Yahoo group: eu-amsat
Date: 2007-05-06 14:24:09 UTC
From: John Hackett
Topic: 716 Message: 718

Mak,
Use InstantTRACK ... it does PRECISELY what you want on screen and
as a printout.

I use both Programs ... InstantTRACK for the actual tracking ... (with
InstantTUNE for tuning) ... as well as NOVA for the excellent graphical
views from Space ... which gives the newcomer a very good understanding of
the footprint and how it moves etc.

73 John. <la2qaa@...>
.....
.....

>From: SV1BSX <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: [eu-amsat] Mutual window calculator?
>Date: Sun, 6 May 2007 07:13:36 -0700 (PDT)
>
> Hi all,
>
> I was looking on NOVA-software for the possible
>"mutual window's" prediction between VE-SV via a
>Satellite, in order to determine the better passes
>between 2 Grid-Locators (or 2 cities).
> However, I can't find something useful.
>
> For example, I would like to have the summary-list
>(in a print-paper or file/screen)) of AO-7's
>mutual-windows between two known Grid-locators for the
>next month.
>
> BTW, NOVA offers the possibility to put (and edit) a
>2nd "Observer", but I can't see where that could be
>help me in order to know the request list.
> Also I didn't read any similar discription into HELP
>file.
>
> Is it any other software which covers that what I
>need, or Am I missing something from NOVA?
>
>Thanks in advance
>
>73, Mak SV1BSX
>
>_____

>Do You Yahoo!?
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719. Re: [eu-amsat] Obligatory.

Yahoo group: eu-amsat
Date: 2007-05-06 15:15:47 UTC
From: Thomas Frey
Topic: 712 Message: 719

John Hackett schrieb:
> Hi Thomas,
> As for the wording "American pass" in my post, merely
> coincidental, I just happened to be listening via an IRB station.
>
>
Ah, thanks for this info about IRB. Without them it was confusing to me.

> Personally, I've only ever worked FM on a satellite once ... (OE/W0SL on
> AO-27) ... and only then because it happened to be Roy.
>
> I really don't see the point of ... *LA2QAA in JP33WB. 73* ... and think
> that FM is a really inefficient use of a satellite when there are many
> potential users in the passband ... that's just my personal opinion, I've
> never been a fan of FM via *AMATEUR* satellites ... I believe they teach the
> potential newcomer the wrong things.
>
> Like I mentioned, it's OK for NASA or single channel/single station
> operating but IMHO *not* very suitable for amateur satellites. I had
> expected more foresight from the Amsat B.O.D. regarding AO-51.
>
I'm an old AO-10/AO-13 user. Then came the MicroSats with Packet Radio
and now we have 3 FM-Repeaters and the CubeSats with telemetry. If we all
are disciplined we can also enjoy the FM-Sats. There are also many newcomers
who get in via FM-Sats in satellite operation. I like all HAM-satellites
and tried all them out, also FO-29. But SSB-transponders in a LEO-orbit
are too hectic for me.

> [snip]
>
> I always enjoy and appreciate your sensible comments Thomas.
>
> 73 John. <la2qaa@...>
>
>
Oh Thank you John ;-) I'm always for clear statements. An ape-house
is an ape-house. :-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

720. RE: [eu-amsat] Mutual window calculator?

Yahoo group: eu-amsat
Date: 2007-05-06 15:36:49 UTC
From: SV1BSX
Topic: 716 Message: 720

..OK John, tks for reply.

Yes, you are right, InstantTRACK it does that I need,
fast and easy indeed!

Thanks for your help.

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Mak,
> Use ... it does PRECISELY what
> you want on screen and
> as a printout.
>
> I use both Programs ... InstantTRACK for the actual
> tracking ... (with
> InstantTUNE for tuning) ... as well as NOVA for the
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> views from Space ... which gives the newcomer a very
> good understanding of
> the footprint and how it moves etc.
>
> 73 John. <la2qaa@...>
>
.....
.....
>
>
> >From: SV1BSX <sv1bsx@...>
> >Reply-To: eu-amsat@yahoogroups.com
> >To: eu-amsat@yahoogroups.com
> >Subject: [eu-amsat] Mutual window calculator?
> >Date: Sun, 6 May 2007 07:13:36 -0700 (PDT)
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> > Hi all,
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> > I was looking on NOVA-software for the possible
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> >Thanks in advance
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> >73, Mak SV1BSX
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> >_____
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721. OSCAR-7 DX list update

Yahoo group: eu-amsat
Date: 2007-05-11 23:16:31 UTC
From: SV1BSX
Topic: 721 Message: 721

Hi all,

The new "OSCAR-7 DX list", including April'07
is updated.

Visit :

http://sv1bsx.50webs.com/oscardx/odx.html

The page will be remade the next month with
much-more interesting QSL cards from OSCAR-7 DX
participators!

"Stay tuned" !

73 and have a nice weekend

Mak SV1BSX

No need to miss a message. Get email on-the-go
with Yahoo! Mail for Mobile. Get started.
http://mobile.yahoo.com/mail

722. Re: [eu-amsat] OSCAR-7 DX list update

Yahoo group: eu-amsat
Date: 2007-05-12 00:38:23 UTC
From: Andrew Glasbrenner
Topic: 721 Message: 722

If I send you a scan of a card from me to Aldert, will it suffice to "confirm" the QSO?

?

73, Drew KO4MA

-----Original Message-----
From: SV1BSX
Sent: May 11, 2007 7:16 PM
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] OSCAR-7 DX list update

Hi all,

The new "OSCAR-7 DX list", including April'07
is updated.

Visit :

http://sv1bsx.50webs.com/oscardx/odx.html

The page will be remade the next month with
much-more interesting QSL cards from OSCAR-7 DX
participators!

"Stay tuned" !

73 and have a nice weekend

Mak SV1BSX

_____
No need to miss a message. Get email on-the-go
with Yahoo! Mail for Mobile. Get started.
http://mobile.yahoo.com/mail

723. Re: [eu-amsat] OSCAR-7 DX list update

Yahoo group: eu-amsat
Date: 2007-05-12 09:08:50 UTC
From: SV1BSX
Topic: 721 Message: 723

...of course Drew!

If you send me the card, then the "entry" on the
DX-list it will be:

KO4MA - PH7PCF (now is PH7PCF - KO4MA)

First is placed the callsign of "QSL-card" (or
QSO-info) sender.

73, Mak SV1BSX

--- Andrew Glasbrenner <glasbrenner@...>
wrote:

---
body{font-family:
Geneva,Arial,Helvetica,sans-serif;font-size:9pt;background-color:
#ffffff;color: black;}If I send you a scan of a card
from me to Aldert, will it suffice to "confirm" the
QSO?

73, Drew KO4MA

-----Original Message-----
From: SV1BSX
Sent: May 11, 2007 7:16 PM
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] OSCAR-7 DX list update

Hi all,

The new "OSCAR-7 DX list", including April'07
is updated.

Visit :

http://sv1bsx.50webs.com/oscardx/odx.html

The page will be remade the next month with
much-more interesting QSL cards from OSCAR-7 DX
participators!

"Stay tuned" !

73 and have a nice weekend

Mak SV1BSX

_____
No need to miss a message. Get email on-the-go
with Yahoo! Mail for Mobile. Get started.
http://mobile.yahoo.com/mail

_____Give
spam the boot. Take control with tough spam protection in the all-new Yahoo! Mail Beta.
http://advision.webevents.yahoo.com/mailbeta/newmail_html.html

724. AO-7 log.

Yahoo group: eu-amsat
Date: 2007-05-21 01:34:36 UTC
From: John Hackett
Topic: 724 Message: 724

Hello folks,
A few words about the AO-7 Resource Page log.

<http://www.planetemily.com/ao7/ao7log.php>

I no longer administer this log and as the regulars on AO-7 will have noticed, the log is getting to be in quite a state of disarray.

For 3 months now, continued attempts by me to contact N1DID (ex: W0EEC) via 3 different addresses have produced negative results. To the best of my knowledge Emily alive and well but is devoting herself 100% to the "virtual" community as opposed to the real world.

It should be noted that the log is an *ACTIVITY* log, not a contest log.

Example.

In the last 20 days of May JH3XCU/1 has registered 31 points. Number of QSO's = 0 (none).

Several entries are either incomplete, submitted wrongly or QSO being claimed several times for the same pass ... ie ... 09:15, then again at 09:20 ... despite the facility of the edit own entry system ... (click the hourglass).

Unfortunately, I can no longer do anything about this so unless operators are careful in entering date the log will continue to give a false impression ... which is a shame for the people who do !! use it as it was originally intended.

CONGRATULATIONS !! to Joe K3SZH for passing the 3000 (GENUINE) QSO's.

73 John. <la2qaa@...>

725. Fwd: [amsat-bb] Europe□s Space Policy becomes a reality today?

Yahoo group: eu-amsat
Date: 2007-05-23 22:27:38 UTC
From: SV1BSX
Topic: 725 Message: 725

--- Trevor <m5aka@...> wrote:

> Date: Wed, 23 May 2007 22:19:35 +0100 (BST)
> From: Trevor <m5aka@...>
> To: AMSAT BB <amsat-bb@...>
> Subject: [amsat-bb]
> Europe?s Space Policy becomes a reality today
> ?=
>
> An interesting item can be seen at
>
>
http://www.southgatearc.org/news/may2007/european_space_policy.htm
>
>
> Clearly a strong EU - EASA space program could
> present future opportunities for
> the launch of Amateur Satellites.
>
> 73 Trevor M5AKA
> ---
> Daily Amateur Radio RSS News:
> http://www.southgatearc.org/
> Email your news items to: editor at southgatearc.org
>
>
> News On Your Website:
> http://www.southgatearc.org/rss/index.htm
> News On Your PC:
> http://www.southgatearc.org/rss/newsreader.htm
> Upload Your News:
> http://www.southgatearc.org/news/your_news.htm
> ---

_____Be a better Heartthrob. Get better relationship answers from someone who knows. Yahoo! Answers - Check it out.
http://answers.yahoo.com/dir/?link=list&sid=396545433

726. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-05-26 22:59:47 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 726

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /HamRadio magazine/StackingYagis_1-5.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : Optimizing Stacking Antennas (SAT & EME)

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/HamRadio%20magazine/StackingYagis_1-5.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

727. 2M1EUB/P

Yahoo group: eu-amsat
Date: 2007-05-28 23:31:07 UTC
From: SV1BSX
Topic: 727 Message: 727

paul robinson <pushbiker2004@...> wrote:

Date: Mon, 28 May 2007 13:18:49 +0100 (BST)
From: paul robinson <pushbiker2004@...>

2M1EUB/P NOW QRV FROM IO87RJ ON ALL SATS FOR 7
DAYS.

_____You
snooze, you lose. Get messages ASAP with AutoCheck
in the all-new Yahoo! Mail Beta.
http://advision.webevents.yahoo.com/mailbeta/newmail_html.html

728. Fwd: [amsat-bb] AO-7/B

Yahoo group: eu-amsat
Date: 2007-06-05 23:40:14 UTC
From: SV1BSX
Topic: 728 Message: 728

.... GONGRATULATIONS Terry!
GOOD ONE !

73, Mak SV1BSX

--- "k3szh@..." <k3szh@...> wrote:

> Subject: AO-7/B
>
> Congratulations to Terry, G1WPR, for making his
> 2000th contact on
> AO7B on 6/5/07. He is the steady beacon in the UK.
>
> Thanks for our daily QSOs Terry.
>
> Joe
> K3SZH
> Amsat 3788
>
>

Choose the right car based on your needs. Check out Yahoo! Autos new Car Finder tool.
http://autos.yahoo.com/carfinder/

729. P3E News Q2 2007

Yahoo group: eu-amsat
Date: 2007-06-11 15:39:07 UTC
From: Thomas Frey
Topic: 729 Message: 729

Erst in Deutsch, dann in Englisch
First in German, then in English

P3E Transponder Readiness Review

Mit dem Treffen der Transponder-Modulbauer am letzten April-Wochenende (27.-29.4.2007) ist das P3E-Projekt nun in eine weitere entscheidende Phase eingetreten.
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=139&Itemid=97

P3E transponder readiness review

With the meeting of the transponder module builder at the last April weekend (27.-29.4.2007) the P3E-Projekt occurred now a further crucial phase.

P3E erh?lt finanzielle Unterst?tzung von AMSAT-NA und AMSAT-UK

Nach dem Gipfeltreffen der Repr?sentanten der AMSAT-Vereinigungen von Nordamerika (AMSAT-NA), Grossbritannien (AMSAT-UK) und Deutschland (AMSAT-DL) in den R?umen von AMSAT-DL und ZEL in Marburg, bei dem sich die G?ste einen aktuellen Eindruck ?ber den Fortschritt der Arbeiten an P3E machen konnten, haben sich AMSAT-NA und AMSAT-UK entschlossen, die Gesamtsumme von 40000 Euro an die AMSAT-DL zu spenden. Mit dem Ziel, den laufenden Betrieb des "Zentralen Entwicklungslabor f?r Elektronik" (ZEL) der Universit?t Marburg aufrecht zu erhalten.

P3E receives financial support from AMSAT-NA and AMSAT-UK

After the summit of the representatives of the AMSAT associations of North America (AMSAT-NA), Great Britain (AMSAT-UK) and Germany (AMSAT-DL) in the areas of AMSAT-DL and ZEL in Marburg, with which the guests could make themselves a current impression over the progress of the work on P3E, AMSAT-NA and AMSAT-UK decided to donate the sum of total 40000 Euro to the AMSAT DL. With the goal of keeping the current enterprise "central development lab for electronics" (ZEL) of the University of Marburg upright.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

730. P3E transponder Readiness Review

Yahoo group: eu-amsat
Date: 2007-06-11 22:28:31 UTC
From: SV1BSX
Topic: 729 Message: 730

P3E transponder Readiness Review
Written by Peter Guelzow
Sunday, 13 May 2007
With the meeting the transponder module farmer on the last April weekend (27.-29.4.2007), occurred the P3-e project now a further crucial phase.

Participant: Howard Long G6LVB, Steve Sanger VK6WN/M0CRX, Mirek Kasal OK2AQK, Konrad Hupfer DJ1EE, Tilman Gloetzner DG2TG, Matthias Leupold, Freddy de Guchteneire ON6UG, Michael Fletcher OH2AUE, Janne Peltonen OH1LRY, Petri Kotilainen, Jari Koivurinne OH3UW, Ulrich Mueller DK4VW, Wilfried Knauer DG1OWK, Karl Meinzer DJ4ZC, Peter Guelzow DB?S, Hartmut Paesler DL1YDD, Achim Vollhardt DH2VA, Heike Straube

After in the meantime tank and wiring harness were built into the P3-e structure, "arranging celebration" can be celebrated and the P3-e structure may call itself now "satellite".

In principle stands thereby to the installation and integration of the different modules nothing more in the way. In order to obtain and the status of the individual modules demonstrated get the involved ones this and the further activities, to a "transponder Readiness Review" was invited to Marburg into the ZEL.

After the present timetable those have module farmer still scarcely 3 months time around the airworthy modules to finish. At the beginning of of August 2007 is to then take place the delivery and further electrical acceptance tests in Marburg. Mirek Kasal OK2AQK of the University of Brno has itself to take over thereby ready avowedly with the tests a prominent role, supported by our people before place at the beginning of of October 2007 begins then the electrical integration of the modules in the satellites with appropriate further tests, so that the P3-e satellite is finished in December 2007. From January to July 2008 then temperature vacuum and vibration test of the entire satellite are intended, as well as sufficient time if possibly remachining necessary be should. On the basis of a start in

November 2008, approximately transport would have to then take place to the launch site, with the following start preparations in August 2008.

All invited participants had to present the possibility their project in the detail and clarify further technical questions. Particularly it went thereby also around the individual interfaces to the satellite and other components or modules. Of the pin allocations of the individual plugs, up to which became respective signal levels, all aspects verified and the documentation if necessary updated.

Most important question naturally always in the end: When is the Flightmodul supplied?

Despite the taut schedule all module farmer very confidently within the next 2-3 months their modules were to be finished and delivered some participants could their flight hardware even already present.
In view of the hard time schedule, due to the locking of the ZEL's and omission of a part of the infrastructure already which can be foreseen, have also all took part the necessity and urgency this schedule strictly to keep accepted.

The status reports and further milestones the transponder farmer contributed however also too our zuversicht that the transponders will be available punctually.

Mirek Kasal OK?QK gave a detailed report over the conditions of the E07-Moduls, behind that the L-bands to receivers, the command detector and the Backup 5 MHz PLL Referenzoszillator hides itself.
All components are present already in airworthy version and it must the internal components with the plug connector at the module housing be only wired. With a noise figure of < 0.6dB and a passport volume of 150 kHz the receiver achieves outstanding values. The entire energy dissipation of the module of maximally 2 Watts was even scarcely fallen below with 1900mW. The l-Rx supplies the SDX, the self-service and Exciter, the x-volume transmitter (10,4 Ghz) of the P5-a transponder and the 24 GHz transmitters with a ZF signal on 10,7 MHz. Over the CAN DO module can be switched the Uplink by 1268 MHz (L1) to the Galileo alternative by 1263 MHz (L2).

Konrad Hupfer DJ1EE reported on the conditions of its high speed output stage components for the module E03 "Vs-Pa". The output stages are present already for

a long time in airworthy version and must be
integrated only into the module, together with the
HELAPS modulators, which are built in Marburg.

The v-volume output stage supplies a power output of
maximally 50-60 Watts on 2m with for instance
3-4mW input. With the used transistors it concerns
300W-Typen, so that sufficient security reserves
are present. The efficiency is with maximally 65%. The
self-service and output stage on 13cm produces
about 30-40 Watts of power output with 5-10mW control
and reaches an efficiency of 40%.
Konrad wants to use the time up to the integration,
in order to develop alternatively still another new PA
on basis of LDMOS transistors. This would have only
2-3% higher efficiency, but by omission of a -5V
supply
the structure would continue to simplify. The v-volume
output stage works already with LDMOS technology, so
that then also the HELAPS modulators would be
identical due to same operating voltage.

Michael Fletcher OH?UE and the OH team had their
entire prototypes for the linear/coherent P5-a
transponder thereby. The building of the flight
hardware began and the E05-Modul becomes punctual
now the order. In the SSPA mode Watts of HF at the
Highgain antenna are to approximately 3 at the
disposal. In the P5-a mode is sent at an Omni antenna
with 1mW achievement, in order transmit-strains
to Mars to simulate.
The x-volumes transponder can the pass band of L -, S
and C-volume convert, since appropriate ZF entrances
on the module are present. Likewise 400 Bit/s
telemetry in BPSK can be radiated. The P5-a
transponder is one of the largest challenges on P3-e
and with 9 different local oscillators and 21 mixers
with 13 different ZF frequencies of one of the most
complex transponders. All mixing oscillators are from
5 MHz reference of the USO fed and thus very
frequency-stably.

Howard G6LVB with an Omni antenna of Freddy ON6UG
Howard Long G6LVB and Steve Sanger VK6WN/M0CRX
gave information over the SDX and could still some
important details with the interfaces clarify.
The module E06 for the UV transponder contains the
u-volume receiver and the u-volume command detector,
as well as a CAN DO module beside the actual SDX also.
Steve Sanger has itself thank-worth-proves ready
explains the u-volume receiver of Oscar-13 to copy,

since this worked also several times in space and also radar-bright possesses. There were difficulties partly with the procurement of individual components, since hardly still on the market are to be found this partial. Other parts, as spools and filters could out of the AMSAT aMSAT-Fundus in the ZEL are taken. The software is already in large parts established and requires only fewer
adjustments and extensions. It will give several boatable Rome versions, which can be selected over appropriate control lines by the CAN DO module. The v-volumes transmitter and/or its HELAPS modulator by the SDX one addresses directly, i.e. by means of the phasensignals on 145 MHz and the envelope.

Additionally the SDX orders an ZF exit on 10,7 MHz for the self-service and Exciter and transmitter, as well as 10,7 MHz ZF an entrance of the L-band receiver. Like that are beside UV transponders also LV, LS and LS enterprise possible.
The SDX replaces the original analog transponder of William Leiyenaar PE1RAH and in particular was preferred because it makes additionally Leila and/or placing class-A operation possible. After the positive experiences with LEILA on Oscar-40, an enterprise would have been particularly with the UV transponder without LEILA hardly justifiablely and a backward step. The "achievement limit announcement" was a proven Tool around stations of excessive transmitting power to hold debited to the weak user. One called these stations also "crocodiles",
small ears and large.... Unfortunately however a LEILA module in conventional technology in P3-e could not be accommodated. The SDX offers now by means of the zukunfstraechtigen Southern German Broadcasting Corporation technology this possibility and still some more. Also the 400 Bit/s BPSK telemetry beacon by software in the SDX one generates.

Danny Orban ON?OD could participate unfortunately not personally in the meeting, could however by telephone still the current status of the E02 s-tx module, which self-service and Exciter, to communicate. The building of the flight hardware is fully under way and it insured a punctual supply.

Michael Kuhne DB6?T could not unfortunately participate for according to schedule reasons likewise, its k-tx and r-tx is however practical and Michael waits only for the CAN DO Flightmodule.

It looks less good with the C-volume receiver, probably is unfortunately available it up to the integration and does not have therefore to possibly be void. If one takes the optical volumes in addition, then it looks bad unfortunately
also for the two Arizona star cameras (module E1? and E14b). The work on the cameras is guessed/advised more in coming to a hold and the designers is in the meantime after conclusion of their examinations also not at the university of Arizona. Momentarily we strive here for a simple spare camera, which is attached directly to the SDX.

At present also the CAN DO prepare concern for us! Modules, which are needed for the controlling of the transponders and other satellite subsystems and large parts of the wiring harness by a CAN bus to replace. The modules are a common development of Amsat DL and Amsat well, whereby the production of the airworthy hardware should take place in the USA. Lately the drastically intensified ITAR export regulations of the USA makes more difficult the work to us at time unfortunately completely substantially, although these modules do not fall with exact view under this regulation. This problem the more still applies to the new IHU-3 on-board computer, whereby we are present here in the meantime a first functional self-reproduction to have and if necessary also must build the flight hardware here.

Freddy de Guchteneire ON6UG reported on the status of the different antennas and had also some samples thereby. In view of the somewhat eigensinnigen design it was not completely clear some participants with the combined 70cm/13cm-Omni-Antenne whether it concerns thereby approximately a gas lighter or a model of the Soyuz rocket (see further above).

Sunday was then used again intensively for co-ordination discussions and exchange of experience between all involved one. Well and with large zuversicht to deliver the modules in time made themselves then all participants gelaunt on the way home.

Last actualization (Sunday, 13 May 2007)

*Translate from German to English by SYSTRAN Software

Moody friends. Drama queens. Your life? Nope! - their life, your story. Play Sims Stories at Yahoo! Games.
http://sims.yahoo.com/

731. Re: [eu-amsat] P3E transponder Readiness Review

Yahoo group: eu-amsat
Date: 2007-06-12 08:26:21 UTC
From: Thomas Frey
Topic: 729 Message: 731

SV1BSX schrieb:
> [snip]
>
>
> *Translate from German to English by SYSTRAN Software
>
>
Hello Mak, this translations are catastrophic. I have it to re-read
and correct but the results are not perfect. A Sorry to all English
people ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

732. Re: [eu-amsat] P3E transponder Readiness Review

Yahoo group: eu-amsat
Date: 2007-06-12 09:39:01 UTC
From: SV1BSX
Topic: 729 Message: 732

...OK Thomas, as I wrote in the bottom-line of my
Email, the translation is not mine (I have no idea
about German-language!).

It's from SYSTRAN Software.

Just I published that because the document is quite
large (and very interesting!!), in order to be able to
have a taste of this in English language.

"Don't shoot the.. pianist" !

73, Mak

PS: on the other hand - the "point" is that:
The plan for P3E-launch seems to be for the end of
2008 !
I will say 2009 for sure... Alleluia!

--- Thomas Frey <th.frey@...> wrote:

> SV1BSX schrieb:
> > [snip]
> >
> >
> > *Translate from German to English by SYSTRAN
> Software
> >
> >
> Hello Mak, this translations are catastrophic. I
> have it to re-read
> and correct but the results are not perfect. A Sorry
> to all English
> people ;-)
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. +
> Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @
> HB9PD.CHE.EU
>

>
>
>
> Yahoo! Groups Links
>
>
>
>
>

Bored stiff? Loosen up...
Download and play hundreds of games for free on Yahoo! Games.
http://games.yahoo.com/games/front

733. Re: [eu-amsat] P3E transponder Readiness Review

Yahoo group: eu-amsat
Date: 2007-06-12 10:02:10 UTC
From: Thomas Frey
Topic: 729 Message: 733

SV1BSX schrieb:
> ...OK Thomas, as I wrote in the bottom-line of my
> Email, the translation is not mine (I have no idea
> about German-language!).
>
> It's from SYSTRAN Software.
>
> Just I published that because the document is quite
> large (and very interesting!!), in order to be able to
> have a taste of this in English language.
>
AMSAT-DL is looking for an OM who can translate the websites from
German to Englisch. The homepage is written within a content management
system (CMS). If you are bi-lingual and willing you can write a mail
to Peter, DB2OS(at)amsat.org.

> "Don't shoot the.. pianist" !
>
> 73, Mak
>
I never shoot the pianist :-)

> PS: on the other hand - the "point" is that:
> The plan for P3E-launch seems to be for the end of
> 2008 !
> I will say 2009 for sure... Alleluia!
>
I also... Halleluja :-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

734. AMSAT-UK International Space Colloquium - Spies in the Sky

Yahoo group: eu-amsat
Date: 2007-07-01 10:57:37 UTC
From: Trevor
Topic: 734 Message: 734

AMSAT-UK International Space Colloquium 2007

Spies in the Sky: Surveillance Satellites in War and Peace

AMSAT-UK will be holding their 22nd International Space Colloquium at the University of Surrey, Guildford, England from Friday 20th to Sunday 22nd July.

The Colloquium keynote lecture will be given by Pat Norris, Chairman of the Royal Aeronautical Society Space Group, entitled "Spies in the Sky: Surveillance Satellites in War and Peace". Starting with Sputnik 1 and the impact of its launch 50 years ago both on the Soviets and on the West, Pat will discuss the social, economic and scientific benefits of satellites today in our daily lives some 50 years later. Pat is the author of a new book of the same name, which is due out in August.

His presentation will take place on Friday and will be followed by the SSC Research Poster Exhibition and SSTL satellite ground station tours.

The event is open to all. Either day passes or full packages comprising overnight accommodation and meals at the University are available. There is an online booking service for PayPal, Visa and Master Card payments.

The RSGB GB4FUN van will be present throughout the event to allow visitors to work the satellites. A Beginners Workshop will be held on Friday and an RSGB bookstall will be available on Saturday morning.

The event is open to all, for further details see
http://www.uk.amsat.org/Colloquium/

AMSAT-UK publish a quarterly newsletter OSCAR News. For membership information contact the secretary Jim Heck G3WGM
Tel: +44 (0)1258 453959
Email: g3wgm@...
Join online at https://secure.amsat.org.uk/subscription/

_____
Yahoo! Mail is the world's favourite email. Don't settle for less, sign up for your free account today
http://uk.rd.yahoo.com/evt=44106/*http://uk.docs.yahoo.com/mail/winter07.html

735. July AO-51 schedule up

Yahoo group: eu-amsat
Date: 2007-07-02 00:26:19 UTC
From: Andrew Glasbrenner
Topic: 735 Message: 735

The July schedule has been posted at
http://www.amsat.org/amsat-new/echo/CTNews.php .

July 2007 AO-51 (AMSAT Echo) Schedule

July 1 until July 31, subject to modification

July 1 - July 9
FM Repeater, V/U
Uplink: 145.920 MHz FM, NO PL Tone
Downlink: 435.300 MHz FM
9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

July 10 - July 12
FM Repeater, L/S
Uplink: 1268.700 MHz FM, NO PL Tone
Downlink: 2401.200 MHz FM

July 13 - July 23
FM Repeater, V/U
Uplink: 145.920 MHz FM, NO PL Tone
Downlink: 435.300 MHz FM
9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

July 24 - July 26
SSB/FM Repeater, V/U
Uplink: 145.880 MHz USB
Downlink: 435.300 MHz FM

July 27 - July 31
FM Repeater, V/U
Uplink: 145.920 MHz FM, NO PL Tone
Downlink: 435.300 MHz FM
9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

We had several requests for normal V/U repeater mode for various operating demonstrations and grid expeditions, but we also managed to fit in a few other modes in between the requested V/U dates. We do have one special request. During the SSB/FM cross-mode repeater July 24-26, please restrict your uplink power to reasonable levels. Last time there were some issues with very strong stations causing distortion on the downlink.

73 and enjoy,
Drew KO4MA

AMSAT-NA VP of Operations

736. Fwd: FO-29 Test Operation, 02 July 2007

Yahoo group: eu-amsat
Date: 2007-07-02 09:48:41 UTC
From: SV1BSX
Topic: 736 Message: 736

```
> From: Mineo Wakita <ei7m-wkt@...>
> To: sv1bsx@...
> Date: Mon, 02 Jul 2007 15:03:27 +0900
> Subject: FO-29 Test Operation, 02 July
> 2007
>
>
> JARL executed again the Test Operation.
> Now, they continue to check these data.
>
> You may be hear FO-29 CW signal over your area.
>
> FO-29
> 435.795 MHz, CW
> Only over Japan
> 05:14-05:29 UTC, 02 July 2007
> 14:14-14:29 JST, 02 July 2007
> Max ele 56 deg
>
> HI HI 22 E2 88 D1 8F 16 05 25 00 24 00 00 6B 65 99
> 9C B0 93 BD B9 BA BD B9
> HI HI 22 E2 88 D5 8F 17 05 25 00 24 00 00 67 65 99
> 9C B0 91 BD B9 BA BD B9
> HI HI 22 E2 88 D5 8F 17 05 25 00 24 00 00 60 65 99
> 9C B0 81 BD B8 BA BD B9
> HI HI 22 E2 88 D5 8F 17 05 25 00 24 00 00 62 65 99
> 9C B0 6B BD B8 BA BD B9
> HI HI 22 E2 88 D1 8F 18 05 25 00 24 00 00 65 65 99
> 9C B1 69 BD B8 BA BD B9
> HI HI 22 E2 88 D1 8F 19 05 25 00 24 00 00 67 65 99
> 9C B0 9C BD B8 B9 BD B9
> HI HI 22 E2 88 D5 8F 19 05 25 00 24 00 00 6D 65 99
> 9C B0 7D BD B8 B9 BD B9
>
> http://www.ne.jp/asahi/hamradio/je9pel/fo29cwte.zip
> http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.zip
>
> ---------------------------------------------
> Name: Mineo Wakita / JE9PEL, JAMSAT member
> Mail: ei7m-wkt@...
> URL : http://www.ne.jp/asahi/hamradio/je9pel/
> QTH : Yokohama Japan, GL:pm95tj
> Date: July 02, 2007
> ---------------------------------------------
```

Got a little couch potato?
Check out fun summer activities for kids.
http://search.yahoo.com/search?fr=oni_on_mail&p=summer+activities+for+kids&cs=bz

737. EU Commission Identifies Europe's Radio Spectrum needs for WRC-07

Yahoo group: eu-amsat
Date: 2007-07-02 18:39:50 UTC
From: Trevor
Topic: 737 Message: 737

EU Commission Press Release
http://www.europa.eu/rapid/pressReleasesAction.do?reference=IP/07/987&type=HTML&aged=0&language=EN&guiLanguage=en

Communication regarding WRC-07
http://ec.europa.eu/information_society/policy/radio_spectrum/docs/ref_docs/com/com_2007_371_en.pdf

Note the reference to 3.4 GHz.

AMSAT-UK will be holding their 22nd International Space Colloquium at the University of Surrey, Guildford, England from Friday July 20th to Sunday July 22nd.

See http://www.uk.amsat.org/Colloquium/ for details.

73 Trevor M5AKA

_____
Yahoo! Mail is the world's favourite email. Don't settle for less, sign up for your free account today
http://uk.rd.yahoo.com/evt=44106/*http://uk.docs.yahoo.com/mail/winter07.html

738. RSGB Microwave Manager to Attend International Space Colloquium

Yahoo group: eu-amsat
Date: 2007-07-08 22:02:32 UTC
From: Trevor
Topic: 738 Message: 738

?The Future of Amateur Satellite Spectrum?

AMSAT-UK will be holding their 22nd International Space Colloquium at the University of Surrey, Guildford, England from Friday 20th until Sunday 22nd July.

There are no Primary Amateur Satellite allocations between 146 MHz and 24 GHz. The Microwave Amateur Satellite allocations are only Secondary. This means they suffer significant interference from other users including WiFi, TV Senders, Galileo, Bluetooth, Zigbee and WIMAX.

Additionally the existing microwave satellite segments are nowhere near the areas used for weak signal terrestrial operation. This is undesirable in that it can be problematic to construct equipment that can be used for both terrestrial and satellite microwave operation.

The lack of interference free microwave allocations is matter of great concern to the Amateur Satellite community so the presentation by the Radio Society of Great Britain (RSGB) Microwave Manager Murray Niman G6JYB on ?The Future of Amateur Satellite Spectrum? is sure to be received with great interest.

On Saturday morning there will be a talk on the ESEO satellite. This is a satellite built by students from across Europe. AMSAT-UK members are building a 435 to 2400 MHz linear transponder for the satellite.

The RSGB GB4FUN van will be present throughout the event to allow visitors to work the satellites and an RSGB bookstall will be available on Saturday morning.

On Friday there will be a special "Beginners Workshop" to show newcomers how to use the many Amateur Satellites that are available.

The event is open to all Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals at the University are available. An online booking service is available for PayPal, Visa and Master Card payments. Late bookings are still being accepted.

For further details contact Jim Heck G3WGM Tel: + 44 (0)1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/Colloquium/ (see Travel for maps)

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Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

739. European Satellites at AMSAT-UK Colloquium

Yahoo group: eu-amsat
Date: 2007-07-09 12:25:19 UTC
From: Trevor
Topic: 739 Message: 739

On Saturday 21st July will be presentations on several new European Satellites at the AMSAT-UK International Space Colloquium.

P3-E / P5-A by Peter Guelzow, DB2OS

Danish AMSAT-OZ Satellite by Ib Christoffersen, OZ1MY

Delphi-C3 Communications Subsystem by Wouter Jan Ubbels, PE4WJ

ESEO satellite by Graham Shirville G3VZV

William Leijenaar, PE1RAH, built a Mode B (435/145) linear transponder for the Indian HAMSAT and he will be giving a presentation on Saturday afternoon.

The AMSAT-UK International Space Colloquium will be held at at the University of Surrey, Guildford, England from Friday 20th until Sunday 22nd July.

The event is open to all Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals at the University are available. An online booking service is available for PayPal, Visa and Master Card payments.

For further details contact Jim Heck G3WGM Tel: + 44 (0)1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/Colloquium/ (see Travel for maps)

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Copy addresses and emails from any email account to Yahoo! Mail - quick, easy and free.
http://uk.docs.yahoo.com/trueswitch2.html

740. Re: [eu-amsat] European Satellites at AMSAT-UK Colloquium

Yahoo group: eu-amsat
Date: 2007-07-09 13:07:30 UTC
From: SV1BSX
Topic: 739 Message: 740

..it should be very nice, if this presentation
will be recorded into a DVD or VCD. For many of us,
it's quite difficult to participate this event, but on
the other
hand it is very interesting and personally I would
like to have a look later, even through a CD.

73, Mak SV1BSX

--- Trevor <m5aka@...> wrote:

> On Saturday 21st July will be presentations on
> several new European Satellites
> at the AMSAT-UK International Space Colloquium.
>
> P3-E / P5-A by Peter Guelzow, DB2OS
>
> Danish AMSAT-OZ Satellite by Ib Christoffersen,
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> Sunday 22nd July.
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> The event is open to all Amateurs and SWL's. Either
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> comprising overnight accommodation and meals at the
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> An online booking service is available for PayPal,
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> payments.
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> For further details contact Jim Heck G3WGM Tel: + 44
> (0)1258 453959
> Email: g3wgm@...

> Web: http://www.uk.amsat.org/Colloquium/ (see Travel
> for maps)
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> Copy addresses and emails from any email account to
> Yahoo! Mail - quick, easy and free.
> http://uk.docs.yahoo.com/trueswitch2.html
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> Yahoo! Groups Links
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Sucker-punch spam with award-winning protection.
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741. AO-07 Beacon decode and VK6AKI

Yahoo group: eu-amsat
Date: 2007-07-20 21:30:05 UTC
From: Murray Hely ZL3MH
Topic: 741 Message: 741

Worked Ron VK6AKI very early Perth time
this morning. For the first part I decoded
the CW Beacon on 145.979 _ or + Dopler with
CWGET before Ron was on the Foot Print.

CwGet V1.50
(c) 1999-2005 Sergei Podstrigailo, UA9OV
Use mouse to select sound band and detector
threshold.

496 496 496 496 324 324 324 324 496 568 696 696 696
696 hi hi 180 180 180 252 252 252 324 324 324 324
496 496 496 568 568 568 696 696 696 hi hi 180 180
180 180 252 252 252 252 324 324 324 324 496 496
496 496

324 324 324 324 496 496 496 568 568 568 696
696 696 696 hi hi 180180 180 252 252 252 252
324 324 324 324 496 496 496 568 568 568 696
696 696 hi hi 180 180 180 180 252 252 252
252 324 324 324 324 496 496 496 496 568 568
568 696 696 696

Not sure want all this means

73 Murray ZL3MH

742. Re: [eu-amsat] AO-07 Beacon decode and VK6AKI

Yahoo group: eu-amsat
Date: 2007-07-20 23:07:11 UTC
From: SV1BSX
Topic: 741 Message: 742

Hi Murray,

very interesting your Email and congrat's for QSO
and TLM capturing.

The decoder program for AO-7 is here:

http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

...however, AO-7 is running without batteries and
(probably) the captured data are not enough accurate
for decoding and studying.

For example, I worked few mins ago the K3TZ decoder
with your data, but no sense at all. On the other hand
is obvious that, the CWGet (probably?) has lost some
digits, because the complete-correct TLM-data
including a "Hi HI" and six lines.

Each one line including 4 triads with digits.

That is not true into your captured TLM. I can't say
if the AO-7 sent missing data or the CwGet has lost
some letters or lines.

Anyway, congrat's again for your nice trying and
thanks for your sharing with us.

73, Mak SV1BSX

PS: pse correct your entry with VK6AKI, into Emily's
AO-7 Online-LOGbook.
Your LOCator is missing. Tks.

--- Murray Hely ZL3MH <murrayhely@...>
wrote:

> Worked Ron VK6AKI very early Perth time
> this morning. For the first part I decoded
> the CW Beacon on 145.979 _ or + Dopler with
> CWGET before Ron was on the Foot Print.
>
>
> CwGet V1.50
> (c) 1999-2005 Sergei Podstrigailo, UA9OV
> Use mouse to select sound band and detector
> threshold.
>

> 496 496 496 496 324 324 324 324 496 568 696 696 696
> 696 hi hi 180 180 180 252 252 252 324 324 324 324
> 496 496 496 568 568 568 696 696 696 hi hi 180 180
> 180 180 252 252 252 252 324 324 324 324 496 496
> 496 496
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> 324 324 324 324 496 496 496 568 568 568 696
> 696 696 696 hi hi 180180 180 252 252 252 252
> 324 324 324 324 496 496 496 568 568 568 696
> 696 696 hi hi 180 180 180 180 252 252 252
> 252 324 324 324 324 496 496 496 496 568 568
> 568 696 696 696
>
> Not sure want all this means
>
> 73 Murray ZL3MH
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> Yahoo! Groups Links
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_____Ready
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Check out tonight's top picks on Yahoo! TV.
http://tv.yahoo.com/

743. AO-7 telemetry.

Yahoo group: eu-amsat
Date: 2007-07-21 00:39:36 UTC
From: John Hackett
Topic: 743 Message: 743

Mak & Murrey,
For the telemetry on AO-7 to be valid the parameters
MUST read 649, 650 or 651.
Otherwise the telemetry is meaningless garbage !!!.

A full explanation follows ...

Telemetry received may be good or bad. You can determine if the telemetry is good by the 6D value. It is the reference voltage for the analog TLM system and it should be around 50. If not, then the remainder of the telemetry will be incorrect. Jan King, W3GEY notes that AO-7 had (has?) a very sensitive receiver and a good uplink antenna. 5 watts EIRP should provide a good downlink. Amplifiers are not required for the uplink. Excessive uplink power may be cause FMing of the transponder and may be causing the input voltage to the regulator that provides 6D to fluctuate causing all telemetry to be bad. AO-7 is almost certainly running only off the solar panels. It is very likely to be on only when in the sun and off in eclipse. Since it is resetting each orbit it may not come on every time. Reports of hearing the beacon just as it comes out of eclipse would be particularly interesting.

1. Speculation that long term chemical changes in one or more battery cells have led to increased cell resistance enabling the spacecraft to operate while in sunlight are correct and

2. Reports indicating that beacons, telemetry systems, and possibly transponders are operating

Then

The prognosis for long term spacecraft operation are excellent.

Channel Measured Parameter Measurement Range Calibration Equation
(Preliminary)
1A Total Solar Array Current 0 to 3000 ma I = 29.5 N (ma)
1B +X Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
1C -X Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
1D +Y Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
2A -Y Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
2B RF Power Out 70cm/2m 0 to 8 watts P = 8(1 - 0.01N)^2 (watts)
2C 24 Hour Clock Time 0 to 1440 min. t = 15.16N (min)
2D Battery Charge/Discharge -2000 to 2000 ma I = 40(N - 50) (ma)
3A Battery Voltage 6.4 to 16.4 V V = 0.1N + 6.4 (volts)
3B Half-Battery Voltage 0 to 10 V V = 0.10N (volts)
3C Bat. Chg. Reg. #1 0 to 15 V V = 0.15N (volts)
3D Battery Temperature -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4A Baseplate Temperature -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4B PA Temp. 2m/10m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)

4C +X Facet Temp. -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4D +Z Facet Temp. -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5A PA Temp. 70cm/2m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5B PA Emit. Current 2m/10m 0 to 1167 ma I = 11.67N (ma)
5C Module Temp. 70cm/2m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5D Instrument Sw. Regulator Input Current 0 to 93 ma I = 11 + 0.82N (ma)
6A RF Power Out 2m/10m 0 to 10,000 mw P = (N^2)/1.56 (mw)
6B RF Power Out 70 cm 0 to 1,000 mw P = 0.1(N^2) + 35 (mw)
6C RF Power Out 13 cm 0 to 100 mw P = 0.041(N^2) (mw)
6D Midrange Telemetry Calibration 0.500 V V = 0.01N(0.50 +/- 0.01) (V)

AO-7 telemetry format:

1aa 1bb 1cc 1dd
2aa 2bb 2cc 2dd
3aa 3bb 3cc 3dd
4aa 4bb 4cc 4dd
5aa 5bb 5cc 5dd
6aa 6bb 6cc 6dd
Hi Hi

Then these data are valid *ONLY* when 6D is one of 649, 650 and 651.

As you know, Jan King built AO-7 so he is the *MAIN* authority on this satellite.
I have been collecting AO-7 information for more years than I can remember.

.....

John,

You must be a lot of fun to be around. I appreciate your sense of humor.

Sorry fresh out of $1000 notes but,... I do have theories.

When the beacon is in a carrier mode it may mean that the voltage has gone low
again (who knows why: a user hits the uplink too hard a negative current budget
because of a bad sun angle) and when that occurs some logic states could change.
The beacon has several modulation sources. Apparently the RTTY telemetry
encoder was determined to have failed (during the long AO-7 sleep) and if that
unit was selected by the logic (randomly) to modulate the transmitter, then that
might produce a tone. The other thing I could imagine that could cause this
would be the Codestore module. What if that were connected to the trasnsmitter.
That should send morse messages if the memory were loaded but, who knows what's

in the memory and it could be all "1s" by now, especially if the memory was radiation damaged. Those memory chips (if you want to call them that) were not
RCA CMOS devices. They were from a small company and I can't remember who anymore. So, they may not have been as radiation tolerent as the rest of the
spacecraft. Anyway, if either of these two sources were selected it could be
that if the input to the transmitter is "high" that only a carrier would be generated. The fuzziness is interesting and would require some further thought.
All of it probably goes to the fact that there is very little voltage requlation
left now and whatever there is may be severely taxed by the wild swings of input
voltage from the arrays.

The transponders are a different matter but, the wobblyness and the squawks may
also be voltage regulation driven. There are certainly quite a few mixers in
each transponder. Any one of these has an oscillator and if that oscillator is
trying to operate in a voltage starved mode the voltage may begin to modulate
the oscillator and that, in turn, may modulate the output of the mixer stage (but, of course, on a different frequency). If the voltage is high enough for
all of the mixers in the transponder then probaby the system will faithfully translate a user's uplink carrier to the correct downlink frequency. If the voltage is lower then is required for the most stringent of the mixers in the
system, then we get squawks and wobbly carriers being transponded or maybe the
mixer output level drops so much that the effective gain of the mixer (these are
all active mixers, by the way) is way too low and the transponded signals just
don't drive the subsequent stages of the trasponder hard enough and we hear nothing.

Now, why would the voltages be low? One theory is that the solar arrays, which
were old technology back when AO-7 was launched in 1974, are also badly radiation damaged and just don't put out very much power. Another theory could
be that the battery is more of a load resistor than a capacitor these days (it's
certainly some of both) and that this is sucking power away. (We may have enough telemetry to sort this theory out, by the way). Also many of the loads on

the regulated or unregulated voltage buses may have increased current drain due
to radiation. There is certainly some of that going on too. If users hit the
trasponder uplink too hard, that will certainly mean the trasponder has to
source more RF power than it can get DC from the arrays and that will suck the
voltage down for sure. The one argument that would be hard for me to accept is
bad sun angles. At this time of year, the plane of the orbit must be very close
to perpendicular to the Earth-Sun line. We also know from other spacecraft
(like the MicroSats) that the magnetic stabilization system works very well and
the spacecraft pitches over pretty much in the orbit plane as it rotates twice
per orbit due to the perminant magnet on-board. There are no solar cells on the
top and bottom of AO-7 but, if the orbit were fairly perpendicular to the
Earth-Sun line then those surfaces would not ever see the sun and only the side
panels would be illuminated and that's just what we want. We also know from the
old days when we had good telemetry that the spacecraft rotates about its axis
of symmetry (the Z-axis) once every 13 minutes or so. So, that means each of
the side solar panels will be exercised and even if we completely lost one of
these panels it would not be a major factor in the power budget as it now
stands. So, I think it comes down to not much solar array output and some loads
that suck up more power than they used to. The telemetry for both RF power
output channels of both transponders seem to be working OK and they both seem to
have something like 1/4 of the RF out that they used to. So, that's a 6 dB hit
on the link budget and that's quite noticeable. One thing people could do to
compare the peformance to the old days is to put up a carrier of a known EIRP
and measure (with a spectrum analyzer or a calibrated receiver) what the
downlink power is. Now, assuming there was only 1 signal in the passband (which
may happen these days) then from that we can do a link analysis and see all
sorts of interesting things.

One last question, is there any evidence of the AGC working? There are some
interesting tests we could run with two stations and a spectrum analyzer. Lots

of fun could be had trying to see how our old friend is doing up there. If only
that thing could talk, it could tell us some really amazing stories, I'm sure.

73's,
Jan W3GEY/VK4GEY
.....

73 John <la2qaa@...>

744. Re: [eu-amsat] AO-7 telemetry.

Yahoo group: eu-amsat
Date: 2007-07-21 12:28:22 UTC
From: SV1BSX
Topic: 743 Message: 744

... tks John for additional info. Your Email is very informative.

Have a nice weekend from.... HOT Athens (43 Celsius today !).

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Mak & Murrey,
> For the telemetry on AO-7 to be
> valid the parameters
> *MUST* read 649, 650 or 651.
> Otherwise the telemetry is meaningless garbage !!!.
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> A full explanation follows ...
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> (min)
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> 40(N - 50) (ma)
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> - 1.48N (deg. C)
> 4A Baseplate Temperature -30 to +50 deg. C T =
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> 4C +X Facet Temp. -30 to +50 deg. C T = 95.8 -
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> 4D +Z Facet Temp. -30 to +50 deg. C T = 95.8 -
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> 5A PA Temp. 70cm/2m -30 to +50 deg. C T = 95.8 -
> 1.48N (deg. C)
> 5B PA Emit. Current 2m/10m 0 to 1167 ma I = 11.67N
> (ma)

> 5C Module Temp. 70cm/2m -30 to +50 deg. C T = 95.8
> - 1.48N (deg. C)
> 5D Instrument Sw. Regulator Input Current 0 to 93
> ma I = 11 + 0.82N (ma)
> 6A RF Power Out 2m/10m 0 to 10,000 mw P =
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> 6C RF Power Out 13 cm 0 to 100 mw P = 0.041(N^2)
> (mw)
> 6D Midrange Telemetry Calibration 0.500 V V =
> 0.01N(0.50 +/- 0.01) (V)
>
> AO-7 telemetry format:
>
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> 2aa 2bb 2cc 2dd
> 3aa 3bb 3cc 3dd
> 4aa 4bb 4cc 4dd
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> Then these data are valid *ONLY* when 6D is one of
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> because of a bad sun angle) and when that occurs
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> loaded but, who knows
> what's
> in the memory and it could be all "1s" by now,
> especially if the memory was
> radiation damaged. Those memory chips (if you want
> to call them that) were
> not
> RCA CMOS devices. They were from a small company
> and I can't remember who
> anymore. So, they may not have been as radiation
> tolerent as the rest of
> the
> spacecraft. Anyway, if either of these two sources
> were selected it could
> be
> that if the input to the transmitter is "high" that
> only a carrier would be
> generated. The fuzziness is interesting and would
> require some further
> thought.
> All of it probably goes to the fact that there is
> very little voltage
> requlation
> left now and whatever there is may be severely taxed
> by the wild swings of
> input
> voltage from the arrays.
>
> The transponders are a different matter but, the
> wobblyness and the squawks
> may
> also be voltage regulation driven. There are
> certainly quite a few mixers

> in
> each transponder. Any one of these has an
> oscillator and if that oscillator
> is
> trying to operate in a voltage starved mode the
> voltage may begin to
> modulate
> the oscillator and that, in turn, may modulate the
> output of the mixer stage
> (but, of course, on a different frequency). If the
> voltage is high enough
> for
> all of the mixers in the transponder then probaby
> the system will faithfully
> translate a user's uplink carrier to the correct
> downlink frequency. If the
> voltage is lower then is required for the most
> stringent of the mixers in
> the
> system, then we get squawks and wobbly carriers
> being transponded or maybe
> the
> mixer output level drops so much that the effective
> gain of the mixer (these
> are
> all active mixers, by the way) is way too low and
> the transponded signals
> just
> don't drive the subsequent stages of the trasponder
> hard enough and we hear
> nothing.
>
> Now, why would the voltages be low? One theory is
> that the solar arrays,
> which
> were old technology back when AO-7 was launched in
> 1974, are also badly
> radiation damaged and just don't put out very much
> power. Another theory
> could
> be that the battery is more of a load resistor than
> a capacitor these days
> (it's
> certainly some of both) and that this is sucking
> power away. (We may have
> enough telemetry to sort this theory out, by the
> way). Also many of the
> loads on
> the regulated or unregulated voltage buses may have
> increased current drain

> due
> to radiation. There is certainly some of that going
> on too. If users hit
> the
> trasponder uplink too hard, that will certainly mean
> the trasponder has to
> source more RF power than it can get DC from the
> arrays and that will suck
> the
> voltage down for sure. The one argument that would
> be hard for me to accept
> is
> bad sun angles. At this time of year, the plane of
> the orbit must be very
> close
> to perpendicular to the Earth-Sun line. We also
> know from other spacecraft
> (like the MicroSats) that the magnetic stabilization
> system works very well
> and
> the spacecraft pitches over pretty much in the orbit
> plane as it rotates
> twice
> per orbit due to the perminant magnet on-board.
> There are no solar cells on
> the
> top and bottom of AO-7 but, if the orbit were fairly
> perpendicular to the
> Earth-Sun line then those surfaces would not ever
> see the sun and only the
> side
> panels would be illuminated and that's just what we
> want. We also know from
> the
> old days when we had good telemetry that the
> spacecraft rotates about its
> axis
> of symmetry (the Z-axis) once every 13 minutes or
> so. So, that means each
> of
> the side solar panels will be exercised and even if
> we completely lost one
> of
> these panels it would not be a major factor in the
> power budget as it now
> stands. So, I think it comes down to not much solar
> array output and some
> loads
> that suck up more power than they used to. The
> telemetry for both RF power

> output channels of both transponders seem to be
> working OK and they both
> seem to
> have something like 1/4 of the RF out that they used
> to. So, that's a 6 dB
> hit
> on the link budget and that's quite noticeable. One
> thing people could do
> to
> compare the peformance to the old days is to put up
> a carrier of a known
> EIRP
> and measure (with a spectrum analyzer or a
> calibrated receiver) what the
> downlink power is. Now, assuming there was only 1
> signal in the passband
> (which
> may happen these days) then from that we can do a
> link analysis and see all
> sorts of interesting things.
>
> One last question, is there any evidence of the AGC
> working? There are some
> interesting tests we could run with two stations and
> a spectrum analyzer.
> Lots
> of fun could be had trying to see how our old friend
> is doing up there. If
> only
> that thing could talk, it could tell us some really
> amazing stories, I'm
> sure.
>
> 73's,
> Jan W3GEY/VK4GEY
>
.....
.....
>
> 73 John <la2qaa@...>
>
>
>
>
>
> Yahoo! Groups Links
>
>
>
>

>

Be a better Heartthrob. Get better relationship answers from someone who knows. Yahoo! Answers - Check it out.
http://answers.yahoo.com/dir/?link=list&sid=396545433

745. Fwd: [amsat-bb] New Satellite Information

Yahoo group: eu-amsat
Date: 2007-07-25 22:22:42 UTC
From: SV1BSX
Topic: 745 Message: 745

FWD message from Amsat-BB:

--- Trevor <m5aka@...> wrote:
Subject: [amsat-bb] New Satellite Information

Amateur Radio satellite Delfi-C3 video available
http://www.southgatearc.org/news/july2007/delfi_c3_video.htm

AMSAT-OZ Satellite on a PCB - AMSAT-UK Colloquium
Paper and PowerPoints
http://wiki.amsat.dk/

P3E Update

http://www.southgatearc.org/news/july2007/p3e_update.htm

The UK to get it's first Cubesat ?

http://www.southgatearc.org/news/july2007/uk_cubesat.htm

AMSAT-UK publishes OSCAR News which is full of
Amateur Satellite information.
You can join online at
https://secure.amsat.org.uk/subscription/
or contact the secretary Jim Heck G3WGM
Tel: + 44 (0)1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/
---

73 Trevor M5AKA

Daily Amateur Radio RSS News:
http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website:
http://www.southgatearc.org/rss/index.htm
News On Your PC:
http://www.southgatearc.org/rss/newsreader.htm
Upload Your News:
http://www.southgatearc.org/news/your_news.htm

_____
Get the free Yahoo! toolbar and rest assured with the added security of spyware protection.
http://new.toolbar.yahoo.com/toolbar/features/norton/index.php

746. (no subject)

Yahoo group: eu-amsat
Date: 2007-07-25 22:24:05 UTC
From: John Hackett
Topic: 746 Message: 746

To those whom it may concern,
The AO-7 log has been getting
"sloppy" of late.

<http://www.planetemily.com/ao7/ao7log.php>

Therefore I have decided from today, the 25th of July 2007, I will continue
to administer and edit the log for the convenience of the regular users.

Please remember ... it is designed to be an "activity" log ... not !!! a log
to see who can collect the most points so please refrain from entering
multiple QSO's on different lines for the same orbit ... because this will
then give false overall results.

Just follow the examples of K3SZH or G1WPR. If you do make a mistake, please
correct it by clicking on the hourglass to edit your entry. You can edit
your own entry but not other people's.

If you need anything other than your own entry edited, you can either use
the online contact form or e-mail me direct.

73 John. AO-7 Resource Page Admin: <la2qaa@...>

747. Faith restored.

Yahoo group: eu-amsat
Date: 2007-07-28 16:35:57 UTC
From: John Hackett
Topic: 747 Message: 747

Hello Al & group,
For the last few weeks I've been doubting my
equipment, aerial expertees and
satellite ability in general. However ... this afternoon (17:45z) my faith
was restored ... or "restorated" as Seagate Sally would say.

I am of course referring to the signal strength of AO-7.

This avvo', I damn near blew my own head off with the FT-790 (100mW) +
Telenor RS4000 (20w)
modified mobile phone base station amp at the blunt end and 10w at the sharp
end (100w EIRP from the array).

PTP.

(Points to ponder) Horizontally the downlink was THUNDERING !!!! in ...
vertically nowt !!! ... sod all, literally silence !!!!!! ... now, in 39
years of operating I've *NEVER* experienced that before and would have said
that it was an IMPOSSIBLE !!!! circumstance ... logic says there MUST !!!!
be SOMETHING !!!! propagated in the 90 degree sense.

Here, I must mention that I can switch between polarisation sense in
milliseconds !!! so *delay* was not an issue.

Oyez!, oyez! ... (like the town crier clanging his bell) ... I am sorely
amazed.

Got any (logical) explanations ??.

The other PTP ... the 2m preamp over Europe did make a *SLIGHT* difference
but absolutely no difference whatsoever !!! when AO-7 was over Wisconsin ...
which of course is the exact opposite !!
to what should be expected.

CURIOUSER AND CURIOUSER ... (The Cheshire Cat in "Alice in Wonderland" by
Lewis Carroll).

It all comes down to 3 words ... 1) propagation, 2) propagation and 3)
propagation.

73 John. <la2qaa@...>

748. AO-7 log.

Yahoo group: eu-amsat
Date: 2007-07-30 11:02:08 UTC
From: John Hackett
Topic: 724 Message: 748

Hello Group,
Regarding the AO-7 Resource Page log.

I was asked what I meant by my earlier remark of "sloppy". Please allow me to explain.

I think we all agree that for 'data' to be valid and meaningful it has to be 'entered' correctly.
If not, the results will give a false picture.

An example:

30th-July-07 at 09:05 on orbit 49661 station ****** worked station ******

AO-7 on orbit 49661 at 09:05 was in fact over Antarctica so neither ****** nor ****** were in
the footprint of AO-7.

Therefore, the actual QSO would be valid but the timing would be way off ... thereby giving a false overall impression.

It is not expected that one logs the 'exact' time of each contact since it is possible to work several stations on the same pass ... each to be entered on the same line ... but it would be advantagous
if stations would log their contacts with the correct data.

It's perfectly OK to log the contacts 'later' if you're busy ... but please do enter the data correctly.

If you make a mistake, you can edit your entry by clicking on the hourglass to edit it.

Thank you.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

749. Re: [eu-amsat] AO-7 log.

Yahoo group: eu-amsat
Date: 2007-07-30 19:23:44 UTC
From: SV1BSX
Topic: 724 Message: 749

--- John Hackett <archie.hackett@...> wrote:

>
> If you make a mistake, you can edit your entry by
> clicking on the hourglass
> to edit it.
>
> Thank you.
>
> 73 John. <la2qaa@...> AO-7 Resource Page
> Admin:
>

....several times, it is not possible to EDIT your entry(ies) and usually some operators they have used to say:

-"I can not edit my entry, I don't know why"

Well, in order to be able to EDIT your entry it is ABSOLUTELY NECESSARY to be "checked" the "REMEMBER ME NEXT TIME".

If you still wordering where is that, it's a "check-point" in the "right-down" corner, into "ENTER Contact" field.

If you have NOT ckecked this, the system does not allow to edit your previous entry(ies).
It's also necessary your PC-system to accept "Cookies".

Just keep in mind.

73, Mak SV1BSX

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http://farechase.yahoo.com/

750. A point to ponder.

Yahoo group: eu-amsat
Date: 2007-07-30 22:56:46 UTC
From: John Hackett
Topic: 750 Message: 750

To the group,
For those complaining of little satellite activity.

On Monday the 30-07-07 ... on AO-7 there were 12 different prefixes logged including several
Stateside - Europe contacts.

The prefixes were ... (in random order) ...

K9, G1, DM, F3, EA, LA, UA0, RA3, GJ, I6, HA, OH.

The Stateside stations were ...

K3SZH, N5AFV, K9QHO, K9CIS, K9HF, W7AIT, WA6KYR.

Now I know who Jimmie Hendrix was referring to ... Hey Joe ... (K3SZH).

73 John. <la2qaa@...> AO-7 Resource Page Log Admin:

751. AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 11:32:03 UTC
From: John Hackett
Topic: 495 Message: 751

A study of the AO-7 eclipse charts for the last 3 years shows a progression toward non-elipse orbits in late 2007 - 2008.

In effect, this means that AO-7 in all probability will not change mode unless anything untoward happens.

It also means that we appear to have a permanent mode-B LEO linear transponder for the forseeable future ... providing operators follow the recommended operating proceedure.

Please *do* decrease your power as the satellite approaches TCA to avaoid FM'ing.

This not only helps the satellite, it helps the other operators in the passband.

Don't be fooled by propagation anomolies. The mode-B transponder is working well and will continue to do so providing the alligators go and play somewhere else. Under normal circumstances you do NOT !! need a lot of power. Please use only the necessary to maintain adequate communications. If you can't copy people adequately, you should improve your receiving capabilities rather than increasing your uplink power ... remember, aluminium is cheap and it's a lot more user friendly to everyone concerned .... with perhaps the exception of your neighbours.

For all intents and purposes, AO-7 is a QRP satellite. Please treat it as such.

73 John. <la2qaa@...>

752. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 13:22:42 UTC
From: Luc Leblanc
Topic: 495 Message: 752

On 31 Jul 2007 at 13:32, John Hackett wrote:

> A study of the AO-7 eclipse charts for the last 3 years shows a progression
> toward non-elipse orbits in late 2007 - 2008.
>
> In effect, this means that AO-7 in all probability will not change mode
> unless anything untoward happens.
>
> It also means that we appear to have a permanent mode-B LEO linear
> transponder for the forseeable future ... providing operators follow the
> recommended operating proceedure.
>
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>
> This not only helps the satellite, it helps the other operators in the
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> somewhere else. Under normal circumstances you do NOT !! need a lot of
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> capabilities rather than increasing your uplink power ... remember,
> aluminium is cheap and it's a lot more user friendly to everyone concerned
> .... with perhaps the exception of your neighbours.
>
> For all intents and purposes, AO-7 is a QRP satellite. Please treat it as
> such.
>
> 73 John. <la2qaa@...>
>

Just to add up John CW stations on transponders are used mainly by those who cannot heir their phone signal. They a often putting so much power that they literally killed AO-7. The few time i was on AO-7 i was able to reduced the power a 0 on my FT-847 and i was still able to hear my downlink quite well.

It is not an exact science but the less signal we can used its the best. CW operators if you are using this mode as it is the only way to work on satellite beware and watch your signal you probably using way much too power than you should.

I don't know if many will read this as on this side of the pound many are on "other mail reflectors"... and as they censored now what they want to hear i doubt the same message will go through :) They called this speech freedom!!!

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

753. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 14:15:56 UTC
From: John Hackett
Topic: 495 Message: 753

Hi Luc,
You're absolutely right ... and let me say, I followed the
'flaming' on the Amsat-bb.

No matter what some of those babboons might say you're *ALWAYS* !!!! welcome
on the
EU-Amsat reflector ... where everybody has the right to an opinion without
being criticised.

The only criteria being ... an amateur radio callsign and an interest in
amateur satellites.

Have good day Luc.

73 John.
.....
.....

>From: Luc Leblanc <lucleblanc6@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: Eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] AO-7 report.
>Date: Tue, 31 Jul 2007 09:22:42 -0400
>
>On 31 Jul 2007 at 13:32, John Hackett wrote:
>
> > A study of the AO-7 eclipse charts for the last 3 years shows a
>progression
> > toward non-elipse orbits in late 2007 - 2008.
> >
> > In effect, this means that AO-7 in all probability will not change mode
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> > transponder for the forseeable future ... providing operators follow the
> > recommended operating proceedure.
> >
> > Please *do* decrease your power as the satellite approaches TCA to
>avaoid
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> > This not only helps the satellite, it helps the other operators in the
> > passband.
> >
> > Don't be fooled by propagation anomolies. The mode-B transponder is
>working

> > well and will continue to do so providing the alligators go and play
> > somewhere else. Under normal circumstances you do NOT !! need a lot of
> > power. Please use only the necessary to maintain adequate
>communications. If
> > you can't copy people adequately, you should improve your receiving
> > capabilities rather than increasing your uplink power ... remember,
> > aluminium is cheap and it's a lot more user friendly to everyone
>concerned
> > .... with perhaps the exception of your neighbours.
> >
> > For all intents and purposes, AO-7 is a QRP satellite. Please treat it
>as
> > such.
> >
> > 73 John. <la2qaa@...>
> >
>
>Just to add up John CW stations on transponders are used mainly by those
>who
>cannot heir their phone signal. They a often putting so much power that
>they
>literally killed AO-7. The few time i was on AO-7 i was able to reduced the
>power a 0 on my FT-847 and i was still able to hear my downlink quite well.
>
>It is not an exact science but the less signal we can used its the best. CW
>operators if you are using this mode as it is the only way to work on
>satellite
>beware and watch your signal you probably using way much too power than you
>should.
>
>I don't know if many will read this as on this side of the pound many are
>on
>"other mail reflectors"... and as they censored now what they want to hear
>i
>doubt the same message will go through :) They called this speech
>freedom!!!
>
>Luc Leblanc VE2DWE
>Skype VE2DWE
>www.qsl.net/ve2dwe
>WAC BASIC CW PHONE SATELLITE
>
>

754. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 14:02:51 UTC
From: Thomas Frey
Topic: 495 Message: 754

Luc Leblanc schrieb:
> On 31 Jul 2007 at 13:32, John Hackett wrote:
>
>
>> A study of the AO-7 eclipse charts for the last 3 years shows a progression
>> toward non-elipse orbits in late 2007 - 2008.
>>
>> In effect, this means that AO-7 in all probability will not change mode
>> unless anything untoward happens.
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>> It also means that we appear to have a permanent mode-B LEO linear
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>> .... with perhaps the exception of your neighbours.
>>
>> For all intents and purposes, AO-7 is a QRP satellite. Please treat it as
>> such.
>>
>> 73 John. <la2qaa@...>
>>
>>
>
> Just to add up John CW stations on transponders are used mainly by those who
> cannot heir their phone signal. They a often putting so much power that they
> literally killed AO-7. The few time i was on AO-7 i was able to reduced the
> power a 0 on my FT-847 and i was still able to hear my downlink quite well.
>
Hello Luc

The CW-OPs who "kill" AO-7 are no satellite operators. Don't forget, AO-7
is listening in the wrong frequency range at 432 MHz. That's the problem.

> It is not an exact science but the less signal we can used its the best. CW
> operators if you are using this mode as it is the only way to work on satellite
> beware and watch your signal you probably using way much too power than you
> should.
>
> I don't know if many will read this as on this side of the pound many are on
> "other mail reflectors"... and as they censored now what they want to hear i
> doubt the same message will go through :) They called this speech freedom!!!
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

755. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 15:18:04 UTC
From: Andrew Glasbrenner
Topic: 495 Message: 755

Every time this has happened in the past, several times over the past few years, the 24hr timer has activated, switching between A and B. There is no reason to expect it won't again.

73, Drew KO4MA

?

A study of the AO-7 eclipse charts for the last 3 years shows a progression toward non-elipse orbits in late 2007 - 2008.

In effect, this means that AO-7 in all probability will not change mode unless anything untoward happens.

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For all intents and purposes, AO-7 is a QRP satellite. Please treat it as such.

73 John. <la2qaa@amsat.org>

756. Satellites photos?

Yahoo group: eu-amsat
Date: 2007-07-31 16:42:52 UTC
From: SV1BSX
Topic: 756 Message: 756

Hello to Group,

the last month we had a wide-area disaster in
my country (and all over South Europe, like Italy,
Bulgaria, Albania, FYROM, Turkey etc)
from fired forests. And probably you are remember
a similar disaster the previous year in Portugal.

These high temperatures (45 C in Greece), it should
be not an exotic effect in the future, but probably a
usual weather condition during summer months for the
next years due to "greenhouse effect".

For further analysis of wooden-areas on my country,
I wondering if it is possible to take some fotos from
Satellites, in order to have an image of disaster
areas, for future use and comparison.

Have we Satellites in "public use" for this? Is it
possible an amateur radio operator to take Satellite
photos from Earth-areas, like Weather-Sats, but with
much-much better analysis in order to use these fotos
for observation about the forest progress in the near
and far future?

Thanks

73, Mak SV1BSX

Luggage? GPS? Comic books?
Check out fitting gifts for grads at Yahoo! Search
http://search.yahoo.com/search?fr=oni_on_mail&p=graduation+gifts&cs=bz

757. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 19:03:21 UTC
From: John Hackett
Topic: 495 Message: 757

Drew,
It is my understanding from recent correspondance with W3GEY/VK3GEY
Jan King ...
(Jan 'built' AO-7) ... and earlier correspondence with N1JEZ Mike Seguin
(AO-7 control operator) when I first posted the mail re: the timer last year
.... that the timer is completely random when the satellite comes out of
eclipse and since there are no imminent occurances of eclipse as far as I
can see, I assume the mode will not change unless anything 'ontoward' occurs
to upset the electronics.

High power *can* affect how the control systems behave ... (obviously, I'm
not going to mention the command parameters or the power required).

If my assumption is wrong, I stand corrected. In either case, listening to
the regular operators will confirm the mode.

The mode changes can be viewed at ...
<http://www.planetemily.com/ao7/stats2.php>

The predected eclipse chart at ...
<http://www.planetemily.com/ao7/Eclipse.php>

Perhaps other operators will obtain different conclusions from the above
predictions.

Opinions are are invited.

That is, after all, precisely why we started the EU-Amsat reflector.

I CC'd this mail to the amsat-bb since the number of Stateside users has
increased in the last 2 months and this information may be of interest to
them too.

73 John. <la2qaa@...>
.....
.....

>From: Andrew Glasbrenner <glasbrenner@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>CC: amsat-bb@...
>Subject: Re: [eu-amsat] AO-7 report.
>Date: Tue, 31 Jul 2007 11:18:04 -0400 (GMT-04:00)

>Every time this has happened in the past, several times over the past few
>years, the 24hr timer has >activated, switching between A and B. There is
>no reason to expect it won't again.
>

>73, Drew KO4MA
.....
.....

From LA2QAA.

>A study of the AO-7 eclipse charts for the last 3 years shows a progression
>toward non-elipse orbits in late 2007 - 2008.
>
>In effect, this means that AO-7 in all probability will not change mode
>unless anything untoward happens.
>
>It also means that we appear to have a permanent mode-B LEO linear
>transponder for the forseeable future ... providing operators follow the
>recommended operating proceedure.
>
>Please *do* decrease your power as the satellite approaches TCA to avaoid
>FM'ing.
>
>This not only helps the satellite, it helps the other operators in the
>passband.
>
>Don't be fooled by propagation anomolies. The mode-B transponder is working
>well and will continue to do so providing the alligators go and play
>somewhere else. Under normal circumstances you do NOT !! need a lot of
>power. Please use only the necessary to maintain adequate communications.
>If
>you can't copy people adequately, you should improve your receiving
>capabilities rather than increasing your uplink power ... remember,
>aluminium is cheap and it's a lot more user friendly to everyone concerned
>.... with perhaps the exception of your neighbours.
>
>For all intents and purposes, AO-7 is a QRP satellite. Please treat it as
>such.
>
>73 John. <la2qaa@...>

758. RE: [eu-amsat] Satellites photos?

Yahoo group: eu-amsat
Date: 2007-07-31 19:06:26 UTC
From: John Hackett
Topic: 756 Message: 758

Mak,
An excellent !!! idea and surely an example of amateur radio for the
public good, supplimenting the emergency services.

Good one! Mak.

73 John. <la2qaa@...>
.....
.....

>From: SV1BSX <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: [eu-amsat] Satellites photos?
>Date: Tue, 31 Jul 2007 09:42:52 -0700 (PDT)
>
> Hello to Group,
>
> the last month we had a wide-area disaster in
>my country (and all over South Europe, like Italy,
>Bulgaria, Albania, FYROM, Turkey etc)
>from fired forests. And probably you are remember
>a similar disaster the previous year in Portugal.
>
> These high temperatures (45 C in Greece), it should
>be not an exotic effect in the future, but probably a
>usual weather condition during summer months for the
>next years due to "greenhouse effect".
>
> For further analysis of wooden-areas on my country,
>I wondering if it is possible to take some fotos from
>Satellites, in order to have an image of disaster
>areas, for future use and comparison.
>
> Have we Satellites in "public use" for this? Is it
>possible an amateur radio operator to take Satellite
>photos from Earth-areas, like Weather-Sats, but with
>much-much better analysis in order to use these fotos
>for observation about the forest progress in the near
>and far future?
>
>
> Thanks
>
>73, Mak SV1BSX
>

>
>
>
>
>
>_____
>Luggage? GPS? Comic books?
>Check out fitting gifts for grads at Yahoo! Search
>http://search.yahoo.com/search?fr=oni_on_mail&p=graduation+gifts&cs=bz

759. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 19:21:03 UTC
From: Andrew Glasbrenner
Topic: 495 Message: 759

I think I may have misunderstood what you originally wrote. During the two previous periods of constant illumination, one in 06, and one in 07, the timer changed the mode every 24 hours with surprising regularity. You can examine the reports from March of 07 on the log page to verify this. I, and I think others, took your original message to mean the opposite, i.e. the mode was frozen during constant illumination periods.

I would tend to disagree about the randomness of the mode as it comes out of eclipse though. It seems to much favor Mode B over A, although this may be skewed by the numbers of ops reporting each mode.

I certainly agree with the comments about watching the uplink power, although over the US we have problems with 432 propagation beacons and terrestrial users overpowering the uplink on occasion. It took me an embarassingly long time to realize who these guys were on LSB on the downlink!

I thouroughly enjoy the old girl, almost as much as I did FO-20 and the later days of AO-10 when working into EU.

73, Drew KO4MA

-----Original Message-----
From: John Hackett
Sent: Jul 31, 2007 3:03 PM
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Subject: Re: [eu-amsat] AO-7 report.

Drew,
It is my understanding from recent correspondance with W3GEY/VK3GEY
Jan King ...
(Jan 'built' AO-7) ... and earlier correspondence with N1JEZ Mike Seguin
(AO-7 control operator) when I first posted the mail re: the timer last year
.... that the timer is completely random when the satellite comes out of
eclipse and since there are no imminent occurances of eclipse as far as I
can see, I assume the mode will not change unless anything 'ontoward' occurs
to upset the electronics.

High power *can* affect how the control systems behave ... (obviously, I'm
not going to mention the command parameters or the power required).

If my assumption is wrong, I stand corrected. In either case, listening to
the regular operators will confirm the mode.

The mode changes can be viewed at ...
<http://www.planetemily.com/ao7/stats2.php>

The predected eclipse chart at ...
<http://www.planetemily.com/ao7/Eclipse.php>

Perhaps other operators will obtain different conclusions from the above predictions.

Opinions are are invited.

That is, after all, precisely why we started the EU-Amsat reflector.

I CC'd this mail to the amsat-bb since the number of Stateside users has increased in the last 2 months and this information may be of interest to them too.

73 John. <la2qaa@amsat.org>;
.....

>From: Andrew Glasbrenner <glasbrenner@mindspring.com>
>;Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>CC: amsat-bb@amsat.org
>Subject: Re: [eu-amsat] AO-7 report.
>Date: Tue, 31 Jul 2007 11:18:04 -0400 (GMT-04:00)

>Every time this has happened in the past, several times over the past few
>years, the 24hr timer has >activated, switching between A and B. There is
>no reason to expect it won't again.
>
>73, Drew KO4MA
.....

From LA2QAA.

>A study of the AO-7 eclipse charts for the last 3 years shows a progression
>toward non-elipse orbits in late 2007 - 2008.
>
>In effect, this means that AO-7 in all probability will not change mode
>;unless anything untoward happens.
>
>It also means that we appear to have a permanent mode-B LEO linear
>transponder for the forseeable future ... providing operators follow the
>recommended operating proceedure.
>
>Please *do* decrease your power as the satellite approaches TCA to avaoid
>FM'ing.
>
>This not only helps the satellite, it helps the other operators in the
>passband.
>
>Don't be fooled by propagation anomolies. The mode-B transponder is working
>well and will continue to do so providing the alligators go and play

>somewhere else. Under normal circumstances you do NOT !! need a lot of
>power. Please use only the necessary to maintain adequate communications.
>If
>you can't copy people adequately, you should improve your receiving
>capabilities rather than increasing your uplink power ... remember,
>aluminium is cheap and it's a lot more user friendly to everyone concerned
>.... with perhaps the exception of your neighbours.
>
>For all intents and purposes, AO-7 is a QRP satellite. Please treat it as
>such.
>
>73 John. <la2qaa@amsat.org>

760. Re: [eu-amsat] AO-7 report.

Yahoo group: eu-amsat
Date: 2007-07-31 19:52:48 UTC
From: John Hackett
Topic: 495 Message: 760

Drew,
I think we're in agreement, though of course it's difficult to be positive re: AO-7 with so many variables that could affect things and like Jan says (tongue in cheek) his memory isn't what it used to be. He did tell me some funny stories about the construction and testing in his garage !! .... while minding a new born baby ... (hope Misses KIing isn't reading this).

I did manage to find out that the article in the December 1974 newsletter contained information that was *NOT* correct ... (re: components of the timer) ... this is detailed in Observations ... <http://www.observations.biz/> ... but I can recall exactly where I put it because my memory is down to a single acvtive braincell these days.

I'm pleased to see we have something in common re: the satellites. FO-20 was my all time favourite
(Japan - Norway on a LEO) ... followed by QRP'ing on AO-13 with a home brew station, RS-10 and AO-10 were also favourites.

(I once worked all the way into Finland !!!! on AO-10) ... he he he.

My current rigs are both well over 20 years old so it was quite a challenge seting them up for fully automated doppler and tracking ... though of course I still do everything manually on AO-7.

Due to the low orbit, automated operation is an advantage on VO-52, particularly when operating CW while eating the obligatory apple ... (an old Royal Signals trick) ... but of course it's by no means a 'necessity'.

73 John. <la2qaa@...>

761. Skype chat satellite room

Yahoo group: eu-amsat
Date: 2007-08-01 00:51:33 UTC
From: Luc Leblanc
Topic: 1011 Message: 761

Hi

I was just playing around with Skype and just want to test and try their Skypecast feature. I start one named "AMSAT WORLD" you have only to go on this skypecast enter in and i will have to enter you in the list.

It is not related to any official AMSAT group but could be a way to let your friends know when a pass is going AOS at your QTH.

Feel free to use it at will just go by Skype rules.

BTW You have to install the program very straightforward. I just use it 2 weeks ago to make a lot of "free" phone calls from Florida to my friends and family here in Canada. computer to computer contact are free you have to pay about 17usd to get on year of all North American unlimited call access. Could be same special deals are in force elsewhere skype originated in UK.

Cannot promise 24/7 access but will try to see if this is an asset and not too time consuming.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

762. * Subject: [amsat-bb] AO-51 Mode L/S

Yahoo group: eu-amsat
Date: 2007-08-05 00:18:36 UTC
From: Luc Leblanc
Topic: 762 Message: 762

```
* Subject: [amsat-bb] AO-51 Mode L/S
* From: "Dave Aitch" <dave@xxxxxxxxx>
* Date: Sat, 4 Aug 2007 23:12:09 +0100

Another lonely mid Atlantic South to North pass :0(

Perhaps next time.

Cheers,

Dave.
Portland. Dorset. IO80SM.
AMSAT 5766

It will be useful to know what kind of TX power the sat use on the different
mode. Many can put up antennas with more or less gain depending of sat TX erp
power.

For testing purpose EIRP is important to be able to check if the budget power
calcs are working or not as well our wires and rods???

I was listening on many pass testing probably the wrong S band antenna! It will
be also helpful to have a log system where we can see what the others are
doing. It helps me when i was a newbie could be it can help other too?

I know the operating side is not as much valuable as other sides but i cross
posted this one to Eu-amsat@yahoogroups.com... Fearing the great evil!!!

"Is censorship is spelling like a m s a t n a? Please correct me
if i'm wrong"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE
```

763. Re: [amsat-bb] Re: AO-7 report.- Band switching

Yahoo group: eu-amsat
Date: 2007-08-06 08:36:43 UTC
From: John Hackett
Topic: 763 Message: 763

Hello Kevin, Roger,
Kevin, I'm glad you dug out one of my earlier
posts re: the timer issue.

(Roger, I'm the chappie the >>>>'s are referring to in the following post).

<http://www.amsat.org/amsat/archive/amsat-bb/200601/msg00455.html>

Like I already mentioned ... and Kevin repeats ... it's no big deal, lets
just wait and see.

If I'm wrong, I'm wrong, no harm done. Lets not waste anymore bandwidth on
it ok? ...
however, Roger, it would be impolite of me not to answer you questions.

>I would love to hear your version of what will happen when there is a lack
>of eclipse for the satellite

As I previously mentioned, I would expect the satellite to remain in the
mode it was in as it came out of eclipse. As I also mentioned, I would stand
corrected if that doesn't happen ... ie ... it is
not !!! a big deal and if I'm wrong ... I'm wrong ... no harm done.

Please note that I am *NOT* the first AO-7 operator to come to this
conclusion.

>Are you saying AO-7 went up without a timer?

No ... I'm not saying that, I am saying that the designer and constructor of
the apparatus in question told me that the components used were not as
stated in the 1974 newsletter.

<Are you saying the timer is no longer functioning?

I have said earlier and am saying now !!! ... that the timer functions
PERIODICALLY ... as can be seen by the entries in the log for the last 3
years ... (monitored by myself).

Perhaps a re-read of my original mail might be of value here?.

The intent ... to make a simple observation for the benefit of those who
don't necessarily follow the daily "doings" of AO-7 like I do.

Nothing more - nothing less. No form of criticism to anybody or anything
offered or implied.

>how is it you determined that the timer is no longer "in the mix?"

By monitoring the satellite daily for the last 3 years.

>If AO-7 comes out it's "final" eclipse in Mode A, will it stay there?.

Who knows !!! ... I certainly don't. I think the real experts all agree ... it *random* ... the reasons are many and varied ... *NOT* just temerature and age.

CC'd to interested parties.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

764. The timers they are a' changing.

Yahoo group: eu-amsat
Date: 2007-08-06 09:51:41 UTC
From: John Hackett
Topic: 764 Message: 764

(with the appropriate apologies to Robert Zimmerman).

Hopefully, my last words on the subject.

Periodic? ... random? ... that just about sums it up. There are a lot !!! of variables.

For those interested, references are available on this bb to check what I originally said.

For those not intersted ... please IGNORE !!!.

My profound apologies for the bandwith my posts have caused.

Had !!!!! the AO-7 telemetery been at least 80% useful, 2C would have revealed all.

(2c or not 2c .....William Shakespeare).

73 John ... <la2qaa@...> AO-7 log Admin:

765. Re: [amsat-bb] Re: AO-7 report.- Band switching

Yahoo group: eu-amsat
Date: 2007-08-06 16:03:03 UTC
From: John Hackett
Topic: 763 Message: 765

Hello Roger,
Here's a link to the estimated eclipse times through to
2008.

<http://www.planetemily.com/ao7/Eclipse.php>

Also, the seasonal statistics of AO-7.

<http://www.planetemily.com/ao7/stats2.php>

If you backpeddle you'll see that mode-B becomes more predominet as the
years go by ... the main parameter being sunlight.

checkig this against the estimated eclipse times will land you in the same
part of the ballpark I took my original estimations from ... but please do
!!! remember, it's all "logical' speculation.

There are so many variables. Even some clown with too much power could upset
the voltage threshhold ... they might even succeed in turning the old girl
off altogether !!! ... hence the enforced tight-lippedness re: power and
commands etc.

I can tell you though, I know what you mean about mode-A.

Though I'm a so-called "experienced" ... (note the hyphens !!!) ...operator,
I truly miss the challenge of chasing RS-10 across the sky while manually
adjusting for doppler. It had an excellent !! receiver,
an acceptible transmitter, the Robot was novel and there was plenty of SSB
and plenty of SSB and plenty of CW to keep everybody happy.

It rather surprised me that after P3D Amsat chose to promote an FM satellite
in LEO, thereby limiting the the number of users per pass dramatically ...
but that debate has been driven into the ground already.

The Europeans and Americans have differing views on this as seen by the mass
exodus of members from Amsat-UK when it became known that Amsat-UK would
provide substantial funding for an FM satellite.

Many years ago, when my good friend Russel Tillman was editor of The Amsat
Journal he explained the policy making ... "we have to keep the constructors
happy" etc ... so as a mere operator, whether you help to fund things or
not, you get what you are given, take it or leave it.

You may ... (or may not) ... find this link amusing ...

<http://www.observations.biz/Joint_Observations/the_thirteen_commandments.htm

73 John.

766. Re: [eu-amsat] Re: [amsat-bb] Re: AO-7 report.- Band switching

Yahoo group: eu-amsat
Date: 2007-08-06 19:03:43 UTC
From: SV1BSX
Topic: 763 Message: 766

Hi John & group,

personally I agree 100% with you John. AO-7 this
summer working like a "single" Mode-B Satellite !
This is very unusual comparing with previous years,
where during the summer-months it was mainly "ON" in
Mode-A. And I know that very well, as a "fan" of
Mode-A.
But definitely, this summer-period something is
different on satellite's behavior .

I wondering before several weeks, why the Satellite
was not "ON" on Mode-A, but nothing more.
John LA2QAA has an "eagle eye", so not just he noticed
that but he wrote it, wondering also about the
possible ralationship with "Timer's" operation , when
the AO-7 will going out of eclipse the next months.
Good one John.

So, I can't understand why all this
"noise" from some others friends. If somebody watching
the "old grand lady", it's obvious that something is
changed.

73, Mak SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Hello Roger,
> Here's a link to the estimated
> eclipse times through to
> 2008.
>
> <http://www.planetemily.com/ao7/Eclipse.php>
>
> Also, the seasonal statistics of AO-7.
>
> <http://www.planetemily.com/ao7/stats2.php>
>
> If you backpeddle you'll see that mode-B becomes
> more predominet as the
> years go by ... the main parameter being sunlight.
>
> checkig this against the estimated eclipse times
> will land you in the same
> part of the ballpark I took my original estimations

> from ... but please do
> !!! remember, it's all "logical' speculation.
>
> There are so many variables. Even some clown with
> too much power could upset
> the voltage threshhold ... they might even succeed
> in turning the old girl
> off altogether !!! ... hence the enforced
> tight-lippedness re: power and
> commands etc.
>
> I can tell you though, I know what you mean about
> mode-A.
>
> Though I'm a so-called "experienced" ... (note the
> hyphens !!!) ...operator,
> I truly miss the challenge of chasing RS-10 across
> the sky while manually
> adjusting for doppler. It had an excellent !!
> receiver,
> an acceptible transmitter, the Robot was novel and
> there was plenty of SSB
> and plenty of SSB and plenty of CW to keep everybody
> happy.
>
> It rather surprised me that after P3D Amsat chose to
> promote an FM satellite
> in LEO, thereby limiting the the number of users per
> pass dramatically ...
> but that debate has been driven into the ground
> already.
>
> The Europeans and Americans have differing views on
> this as seen by the mass
> exodus of members from Amsat-UK when it became known
> that Amsat-UK would
> provide substantial funding for an FM satellite.
>
> Many years ago, when my good friend Russel Tillman
> was editor of The Amsat
> Journal he explained the policy making ... "we have
> to keep the constructors
> happy" etc ... so as a mere operator, whether you
> help to fund things or
> not, you get what you are given, take it or leave
> it.
>
> You may ... (or may not) ... find this link amusing
> ...
>

>
<http://www.observations.biz/Joint_Observations/the_thirteen_commandments.htm
>
> 73 John.
>
>
>
>
>
> Yahoo! Groups Links
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>
>
>

Choose the right car based on your needs. Check out Yahoo! Autos new Car Finder tool.
http://autos.yahoo.com/carfinder/

767. Re: [eu-amsat] Re: [amsat-bb] Re: AO-7 report.- Band switching

Yahoo group: eu-amsat
Date: 2007-08-06 20:57:13 UTC
From: John Hackett
Topic: 763 Message: 767

Hello Mak,
I appreciate your support and am very glad somebody else
noticed the discrepancy ...
and while I have the pen ... (keyboard) ... congratuations on your fine
signal on the old girl yesterday, the first time we've worked on AO-7.

Since we're both completely blocked by mountains in our respective take-off
directions we did OK Makis.

I told !!! you the EU-Amsat reflector would be a success didn't I ... we did
good Mak.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

.....
.....

>From: SV1BSX <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] Re: [amsat-bb] Re: AO-7 report.- Band switching
>Date: Mon, 6 Aug 2007 12:03:43 -0700 (PDT)
>
> Hi John & group,
>
>personally I agree 100% with you John. AO-7 this
>summer working like a "single" Mode-B Satellite !
>This is very unusual comparing with previous years,
>where during the summer-months it was mainly "ON" in
>Mode-A. And I know that very well, as a "fan" of
>Mode-A.
But definitely, this summer-period something is
>different on satellite's behavior .
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>I wondering before several weeks, why the Satellite
>was not "ON" on Mode-A, but nothing more.
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>that but he wrote it, wondering also about the
>possible ralationship with "Timer's" operation , when
>the AO-7 will going out of eclipse the next months.
>Good one John.
>
> So, I can't understand why all this
>"noise" from some others friends. If somebody watching
>the "old grand lady", it's obvious that something is
>changed.

>
>
>73, Mak SV1BSX
>
>
>
>
>--- John Hackett <archie.hackett@...> wrote:
>
> > Hello Roger,
> > Here's a link to the estimated
> > eclipse times through to
> > 2008.
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> > <http://www.planetemily.com/ao7/Eclipse.php>
> >
> > Also, the seasonal statistics of AO-7.
> >
> > <http://www.planetemily.com/ao7/stats2.php>
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> > If you backpeddle you'll see that mode-B becomes
> > more predominet as the
> > years go by ... the main parameter being sunlight.
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> > checkig this against the estimated eclipse times
> > will land you in the same
> > part of the ballpark I took my original estimations
> > from ... but please do
> > !!! remember, it's all "logical' speculation.
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> > There are so many variables. Even some clown with
> > too much power could upset
> > the voltage threshhold ... they might even succeed
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> > off altogether !!! ... hence the enforced
> > tight-lippedness re: power and
> > commands etc.
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> > Though I'm a so-called "experienced" ... (note the
> > hyphens !!!) ...operator,
> > I truly miss the challenge of chasing RS-10 across
> > the sky while manually
> > adjusting for doppler. It had an excellent !!
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> > an acceptible transmitter, the Robot was novel and
> > there was plenty of SSB
> > and plenty of SSB and plenty of CW to keep everybody

> > happy.
> >
> > It rather surprised me that after P3D Amsat chose to
> > promote an FM satellite
> > in LEO, thereby limiting the the number of users per
> > pass dramatically ...
> > but that debate has been driven into the ground
> > already.
> >
> > The Europeans and Americans have differing views on
> > this as seen by the mass
> > exodus of members from Amsat-UK when it became known
> > that Amsat-UK would
> > provide substantial funding for an FM satellite.
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> > Many years ago, when my good friend Russel Tillman
> > was editor of The Amsat
> > Journal he explained the policy making ... "we have
> > to keep the constructors
> > happy" etc ... so as a mere operator, whether you
> > help to fund things or
> > not, you get what you are given, take it or leave
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> > You may ... (or may not) ... find this link amusing
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> >
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><http://www.observations.biz/Joint_Observations/the_thirteen_commandments.htm
> >
> > 73 John.
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> > Yahoo! Groups Links
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>_____
>Choose the right car based on your needs. Check out Yahoo! Autos new Car
>Finder tool.
>http://autos.yahoo.com/carfinder/

768. Re: [amsat-bb] Re: AMSAT Awards

Yahoo group: eu-amsat
Date: 2007-08-08 00:53:44 UTC
From: Luc Leblanc
Topic: 768 Message: 768

On 7 Aug 2007 at 15:42, Rob Rousseau wrote:

> Hello Folks,
> I would like to say thank you very much for acknowledgment. I would
> also like to thank Richard Crow, N2SPI for his "Cheap and Easy Satellite
> Antenna" articles posted on amsat.org. Without them and his friendly
> help over e-mail, I would not have been able to work the birdies.
> Thank you again and 73,
> -Rob de KI4BKE

Hi Robert

Your second satellite contact QSL card is in the mail. Just before opening your letter i was under the impression this letter come from a french speaking guy! Robert Rousseau "Rousseau" is on many phone directory book here.

I put a note on the back of the card and i hope we can make another QSO on a HEO sat.

73

P.S. What about the diesel engine train car engine on your card? And i strongly recommend the AMSAT-NA readers to try your numerous test... It will help them a lot especially their BOD :) at the first one i score +- 10% on the average. I just planned to post me results... on my web page as honestly possible and i challenge the BOD members and candidates to do the same...;)

Like the next HEO we can always dream alive...

"-"
" For an uncensored amateur radio satellite e-mail reflector please join:
Eu-amsat@yahoogroups.com"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

769. Re: [sarex] KEPS

Yahoo group: eu-amsat
Date: 2007-08-09 16:38:59 UTC
From: Luc Leblanc
Topic: 769 Message: 769

On 9 Aug 2007 at 9:47, Arthur Rowe wrote:on sarex-bb

> ISS (ZARYA)
> 1 25544U 98067A 07220.88563398 .00008468 00000-0 56993-4 0 7430
> 2 25544 51.6320 191.7165 0008104 217.9929 243.8684 15.76137509499091
> STS 118
> 1 32008U 07035A 07220.96978502 -.00000458 11337-4 44973-5 0 29
> 2 32008 51.6230 191.3661 0066241 180.9148 357.4615 16.00252620 04

When tracking in simulation both with Orbitron they seems to be in contact around 1051AM August 9 UTC? but rendez vous contact is planned at 1753 on August 10?

(New set of keps for sts-118) from Orbitron

STS 118
1 32008U 07035A 07221.34395840 .00112440 00000-0 45295-3 0 54
2 32008 51.6280 189.4027 0020824 112.0883 48.2798 15.85219015 68

With this new set of keps contact simulation occurs at 0200 AM on the 10

Did anyone have an explanation for theses discrepancies?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

770. Re: [sarex] KEPS UPDATE DAY 221

Yahoo group: eu-amsat
Date: 2007-08-09 16:48:17 UTC
From: Luc Leblanc
Topic: 770 Message: 770

On 9 Aug 2007 at 9:47, Arthur Rowe wrote:on sarex-bb

> ISS (ZARYA)
> 1 25544U 98067A 07220.88563398 .00008468 00000-0 56993-4 0 7430
> 2 25544 51.6320 191.7165 0008104 217.9929 243.8684 15.76137509499091
> STS 118
> 1 32008U 07035A 07220.96978502 -.00000458 11337-4 44973-5 0 29
> 2 32008 51.6230 191.3661 0066241 180.9148 357.4615 16.00252620 04

When tracking in simulation both with Orbitron they seems to be in contact around 1051AM August 9 UTC? but rendez vous contact is planned at 1753 on August 10?

(New set of keps for sts-118) from Orbitron

STS 118
1 32008U 07035A 07221.34395840 .00112440 00000-0 45295-3 0 54
2 32008 51.6280 189.4027 0020824 112.0883 48.2798 15.85219015 68

With this new set of keps contact simulation occurs at 0200 AM on the 10

Did anyone have an explanation for theses discrepancies? Even with day 221 set of keps the contact time is now at 0111 August 10
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

771. Re: [eu-amsat] Re: [sarex] KEPS

Yahoo group: eu-amsat
Date: 2007-08-09 18:48:39 UTC
From: SV1BSX
Topic: 769 Message: 771

Hi Luc,

good question indeed... a possible scenario it could
be:

now both objects are in orbit by using natural
forces (these orbits are shown by Orbitron).

But the Shuttle has some rockets... and may be in the
right "timing" the Shuttle use them in order to follow
a different course for the "rendez vous" with ISS.
Additional, when the 2 objects are close enough,
the Shuttle needs very good manipulation for safety
docking. This operation definitely needs also enough
time (which is unknown to... Orbitron-software!)

Just my "2 cents" thought.

73, Mak SV1BSX

--- Luc Leblanc <lucleblanc6@...> wrote:

> On 9 Aug 2007 at 9:47, Arthur Rowe wrote:on sarex-bb
>
> > ISS (ZARYA)
> > 1 25544U 98067A 07220.88563398 .00008468
> 00000-0 56993-4 0 7430
> > 2 25544 51.6320 191.7165 0008104 217.9929
> 243.8684 15.76137509499091
> > STS 118
> > 1 32008U 07035A 07220.96978502 -.00000458
> 11337-4 44973-5 0 29
> > 2 32008 51.6230 191.3661 0066241 180.9148
> 357.4615 16.00252620 04
>
> When tracking in simulation both with Orbitron they
> seems to be in contact
> around 1051AM August 9 UTC? but rendez vous contact
> is planned at 1753 on
> August 10?
>
> (New set of keps for sts-118) from Orbitron
>
> STS 118
> 1 32008U 07035A 07221.34395840 .00112440 00000-0
> 45295-3 0 54
> 2 32008 51.6280 189.4027 0020824 112.0883 48.2798

> 15.85219015 68
>
> With this new set of keps contact simulation occurs
> at 0200 AM on the 10
>
> Did anyone have an explanation for theses
> discrepancies?
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
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> Yahoo! Groups Links
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http://smallbusiness.yahoo.com/webhosting

772. Fwd: FO-29 status, 7 Aug 2007

Yahoo group: eu-amsat
Date: 2007-08-10 11:12:06 UTC
From: SV1BSX
Topic: 772 Message: 772

From: Mineo Wakita <ei7m-wkt@...>
Date: Fri, 10 Aug 2007 19:25:38 +0900
Subject: FO-29 status, 7 Aug 2007

JARL report about FO-29 (Fuji-3) status and operation, 7 Aug 2007

The inside impedance of battery in FO-29 (Fuji-3) are rising now extremely by deterioration at time. According to the telemetry data and the eclipse rate of the satellite main body (the rate that a day is not), 25 minutes are supposed with a limit as for the analog battery system use. Because the eclipse rate of current FO-29 (Fuji-3) is about 30%, the power supply of the relay with the battery cannot serve a period of the eclipse.

And the malfunction occurs in the part of the electricity control system. The malfunction to become the problem in use in particular is UVC which is an automatic function about the electricity management. When the satellite is in the eclipse, and the light of the sun is not the solar battery, the transmitter becomes OFF by UVC. It is designed afterwards so that an analog system transmitter becomes ON automatically when the terminal voltages of the battery exceed the rated value after the light of the sun is the solar battery. However, it is likely that malfunction occurs for this function, and the terminal voltage cannot turn on a transmitter even if it exceed the rated value unless we send a command from the ground.

The eclipse rate of FO-29 (Fuji-3) will rise in future and rises to 34% in March 2008 and comes over a peak of the eclipse rate. When it goes over this peak, the eclipse rates decrease slowly, and it

is 20% in August 2009,
and it is all sunshine (the period when the sun
continues being) in
February 2010.

Because we follow for about 8 months, as for all
sunshine, it seems that
we can apply the analog system relay consecutively
for this period.

http://www.ne.jp/asahi/hamradio/je9pel/fo29sta3.htm#3

Name: Mineo Wakita / JE9PEL, JAMSAT member
Mail: ei7m-wkt@...
URL : http://www.ne.jp/asahi/hamradio/je9pel/
QTH : Yokohama Japan, GL:pm95tj
Date: Aug 10, 2007

_____
Boardwalk for $500? In 2007? Ha! Play Monopoly Here and Now (it's updated for today's
economy) at Yahoo! Games.
http://get.games.yahoo.com/proddesc?gamekey=monopolyherenow

773. Re: [sarex] Astronaut Ed Lu Leaves NASA

Yahoo group: eu-amsat
Date: 2007-08-11 02:16:43 UTC
From: Luc Leblanc
Topic: 773 Message: 773

On 10 Aug 2007 at 18:35, Arthur Rowe wrote:

> SUBMITTED BY ARTHUR N1ORC - AMSAT A/C #31468
>
>> Aug. 10, 2007
>>
>> Allard Beutel
>> Headquarters, Washington
>> 202-358-4769
>> allard.beutel@...
>>
>> Kylie Clem
>> Johnson Space Center, Houston
>> 281-483-5111
>> kylie.s.clem@...
>>
>>
>>
>> ASTRONAUT ED LU LEAVES NASA
>>
>> HOUSTON - Veteran International Space Station astronaut and space
>> shuttle flyer Ed Lu has left NASA to accept a position in the private
>> sector.

Did anyone is aware of any press release from NASA about NASA Astronaut Leroy Chiao. I just see him on CNN and they presented him as a "Former NASA astronaut"! On NASA bio web site
http://www.jsc.nasa.gov/Bios/htmlbios/chiao.html
the only one reference on his NASA present status is "Leroy Chiao (Ph.D.) NASA Astronaut (FORMER)?

If you come by any news reel or press agencies release as the Ed Lu press note just send me a copy of it.

thank's

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

774. FO-29 active over EU tomorrow !

Yahoo group: eu-amsat
Date: 2007-08-11 10:44:22 UTC
From: SV1BSX
Topic: 774 Message: 774

Hi folks,

as pointed out by Masa, JN1GKZ,(see message below)
tomorrow 12-8-2007 the FO-29 will be "active" between
04:30 - 05:14 Z .

This pass is a good opportunity for European stations
including overseas QSOs, as the apogee
of Satellite is maximum over Atlantic Ocean (1320 Km)
at 05:01Z.

AOS for N-E Europeans about 04.46 Z

LOS = 05.14Z, where FO-29 entering
in the eclipse and it will STOP.

I wish you good QSOs/FO-29.

73, Mak SV1BSX

>--- Masahiro Arai <m-arai@...> wrote:
>
>
> FO-29 is semi-operational!
>
>FO-29 battery is almost dead and automatic UVC
>recover function does
>not work. This means transmitter will stop after
>eclips and wake up
>command is needed to start transmit. In other words,
>FO-29 is operational after sending wake up command
>by the JARL FO-29 command station until eclips.
>
>The command station was sending wake up command to
>FO-29 one or two orbits every day in this week. The
>signal is very clear. Some orbits, the transponder
>was shutoff by the command station before LOS. And
>another orbits, the transponder remained in
>operational.
>
>The command station announced the following
>operation schedule. Part of EU, AF, NA and SA
>stations will have chances to work FO-29.
>
> 11 Aug from 0343z to eclips
> from 0528z to eclips
> 12 Aug from 0432z to eclips

>
>Please keep downlink siganl weaker than the beacon.
>
>
>The wake up command is sending by manual in this
>moment. I thank the command station for FO-29
>control.
>
>
> Masa JN1GKZ Tokyo Japan
>

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http://surveylink.yahoo.com/gmrs/yahoo_panel_invite.asp?a=7

775. Re: [sarex] Re: Astronaut Ed Lu Leaves NASA

Yahoo group: eu-amsat
Date: 2007-08-12 05:26:55 UTC
From: Luc Leblanc
Topic: 775 Message: 775

On 11 Aug 2007 at 22:03, Margaret Leber wrote:

On 8/11/07, Ransom, Kenneth G. (JSC-OC)[BAR] <kenneth.g.ransom@...> wrote:
> Try this link.
> http://www.nasa.gov/centers/johnson/news/releases/J05-063.html
> He left NASA in December of 2005

>His post-NASA career is covered in detail at Wikipedia:

>http://en.wikipedia.org/wiki/Leroy_Chiao

Thank's He was our NA1SS operator in this laborious but exciting November 30th
2004 ARISS QSO

http://www.arrl.org/news/stories/2004/12/09/1/?nc=1

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

776. AO-7 Booster-ON ?

Yahoo group: eu-amsat
Date: 2007-08-12 18:50:38 UTC
From: SV1BSX
Topic: 776 Message: 776

Hi all,

well, today afternoon AO-7 came from South.
I called CQ CQ on CW and my return-signal on DownLink
was good, about 559. Nothing unusual at this time.

Suddenly (~17:45z), my S-meter "jumped" to 9+20dB or
more (with my signal) and also the difference in
audio-strength was spectacular. Another point is
that, from this moment and till LOS the FMing was
terrible and it was impossible to hear clearly a
station which he answered me .

I wondering, what is it this effect?

Is it the Mode-B and in the previous time (where the
Downlink was lower) the Satellite was working in
Mode-C ???
Or something happens and seems like to fire-up a
Booster?

I am sure, you have similar experience with
"Grand Old Lady". It is not the first time where
this happened to me, I had the same experience also
3-4 times again, in the past... So, I would like to
hear your opinions about this effect.

73, Mak SV1BSX

Sick sense of humor? Visit Yahoo! TV's
Comedy with an Edge to see what's on, when.
http://tv.yahoo.com/collections/222

777. Re: [eu-amsat] AO-7 Booster-ON ?

Yahoo group: eu-amsat
Date: 2007-08-12 21:52:18 UTC
From: Thomas Frey
Topic: 776 Message: 777

SV1BSX schrieb:
> Hi all,
>
> well, today afternoon AO-7 came from South.
> I called CQ CQ on CW and my return-signal on DownLink
> was good, about 559. Nothing unusual at this time.
>
>
> Suddenly (~17:45z), my S-meter "jumped" to 9+20dB or
> more (with my signal) and also the difference in
> audio-strength was spectacular. Another point is
> that, from this moment and till LOS the FMing was
> terrible and it was impossible to hear clearly a
> station which he answered me .
>
> I wondering, what is it this effect?
>
> Is it the Mode-B and in the previous time (where the
> Downlink was lower) the Satellite was working in
> Mode-C ???
> Or something happens and seems like to fire-up a
> Booster?
>
> I am sure, you have similar experience with
> "Grand Old Lady". It is not the first time where
> this happened to me, I had the same experience also
> 3-4 times again, in the past... So, I would like to
> hear your opinions about this effect.
>
>
> 73, Mak SV1BSX
>
>
>
Hello Mak and group

I had observed the beacon at this time. The signal was very strong.
About twelve minutes before LOS the "lady" flew into eclipse, but I
heard the beacon with the same strength as before for about 10 minutes
just before LOS. Very interesting, has anyone changed the batteries ?
;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

778. Re: [eu-amsat] AO-7 Booster-ON ?

Yahoo group: eu-amsat
Date: 2007-08-13 00:50:23 UTC
From: SV1BSX
Topic: 776 Message: 778

Hello Thomas & Group,

I wonder if we mean the same pass, I'm talking for
yesterday 12-8-2007 and according to NOVA-software the
orbit number was #49.820.

If you mean the same pass it is strange but, as my
software shows the Satellite was in "full Sunshine"
during this orbit over the Europe and never into
eclipse, as you pointed out.

Precisely, the Satellite was in *eclipse* over South
pole till 17:16Z... at 17:17 Z entered into
"Sun-light" (over Madagascar) till 18:57 Z, where
again entered in the dark for a new eclipse-period.

I have checked my program and seems to be OK.

Can you check your Sat-tracking program please?
I notice a great discrepancy here between yours - and
my DATA.

73, Mak SV1BSX

--- Thomas Frey <th.frey@...> wrote:

> Hello Mak and group
>
> I had observed the beacon at this time. The signal
> was very strong.
> About twelve minutes before LOS the "lady" flew into
> eclipse, but I
> heard the beacon with the same strength as before
> for about 10 minutes
> just before LOS. Very interesting, has anyone
> changed the batteries ?
> ;-)
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> --------

> SV1BSX schrieb:
> > Hi all,
> >

> > well, today afternoon AO-7 came from South.
> > I called CQ CQ on CW and my return-signal on
> DownLink
> > was good, about 559. Nothing unusual at this time.
> >
> >
> > Suddenly (~17:45z), my S-meter "jumped" to 9+20dB
> or
> > more (with my signal) and also the difference in
> > audio-strength was spectacular. Another point is
> > that, from this moment and till LOS the FMing was
> > terrible and it was impossible to hear clearly a
> > station which he answered me .
> >
> > I wondering, what is it this effect?
> >
> > Is it the Mode-B and in the previous time (where
> the
> > Downlink was lower) the Satellite was working in
> > Mode-C ???
> > Or something happens and seems like to fire-up a
> > Booster?
> >
> > I am sure, you have similar experience with
> > "Grand Old Lady". It is not the first time where
> > this happened to me, I had the same experience
> also
> > 3-4 times again, in the past... So, I would like
> to
> > hear your opinions about this effect.
> >
> >
> > 73, Mak SV1BSX
> >
> >
> >

Building a website is a piece of cake. Yahoo! Small Business gives you all the tools to get online.
http://smallbusiness.yahoo.com/webhosting

779. AO-7 Status.

Yahoo group: eu-amsat
Date: 2007-08-13 07:42:18 UTC
From: John Hackett
Topic: 779 Message: 779

Hello Group.

The status of AO-7 on orbit 49836 07:17 UTC on Monday the 13th of August was, at my QTH, pretty much the same as it has been for the last 3 months.

The beacon is weak and warbling and continues to transmit invalid data due to the lack of adequate voltage.

Please continue to observe QRP practices.

Thank You.

73 John. <la2qqa@...>

780. Re: [eu-amsat] AO-7 Booster-ON ?

Yahoo group: eu-amsat
Date: 2007-08-13 09:05:00 UTC
From: Thomas Frey
Topic: 776 Message: 780

SV1BSX schrieb:
> Hello Thomas & Group,
>
> I wonder if we mean the same pass, I'm talking for
> yesterday 12-8-2007 and according to NOVA-software the
> orbit number was #49.820.
>
> If you mean the same pass it is strange but, as my
> software shows the Satellite was in "full Sunshine"
> during this orbit over the Europe and never into
> eclipse, as you pointed out.
>
You are right Mak, I mean the pass at Sunday evening.
But also on this pass the signals where unlikely strong,
also in eclipse. Normally in eclipse after sunlit I can
hear the beacon only for a few minutes before it goes
down.

> Precisely, the Satellite was in *eclipse* over South
> pole till 17:16Z... at 17:17 Z entered into
> "Sun-light" (over Madagascar) till 18:57 Z, where
> again entered in the dark for a new eclipse-period.
>
> I have checked my program and seems to be OK.
>
> Can you check your Sat-tracking program please?
> I notice a great discrepancy here between yours - and
> my DATA.
>
> 73, Mak SV1BSX
>
>
>
> --- Thomas Frey <th.frey@...> wrote:
>
>
>> Hello Mak and group
>>
>> I had observed the beacon at this time. The signal
>> was very strong.
>> About twelve minutes before LOS the "lady" flew into
>> eclipse, but I
>> heard the beacon with the same strength as before
>> for about 10 minutes
>> just before LOS. Very interesting, has anyone

>> changed the batteries ?
>> ;-)
>>
>>
>>
>>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

781. AO-7 orbit 49837.

Yahoo group: eu-amsat
Date: 2007-08-13 09:25:15 UTC
From: John Hackett
Topic: 781 Message: 781

Hello Folks,
on orbit 49837 AO-7's beacon channel 6 read ... 668 668 696
696.

For the data to be be meaningful, the channel channel 6 parameters must read
must read either ...

649 650 or 651

73 John. <la2qaa@...>

782. Re: [eu-amsat] AO-7 Status.

Yahoo group: eu-amsat
Date: 2007-08-13 09:32:23 UTC
From: Thomas Frey
Topic: 779 Message: 782

John Hackett schrieb:
> Hello Group.
>
> The status of AO-7 on orbit 49836 07:17 UTC on Monday the 13th of August
> was, at my QTH, pretty much the same as it has been for the last 3 months.
>
> The beacon is weak and warbling and continues to transmit invalid data due
> to the lack of adequate voltage.
>
> Please continue to observe QRP practices.
>
> Thank You.
>
> 73 John. <la2qqa@...>
>
>
>
>
>
>
Hello John and group

Look at orbit 49833 this evening for strong signals. It will be
interesting, if the signals would normalize to lower levels. I can
not listen this evening.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

783. Fwd: FO-29 operation sked #2

Yahoo group: eu-amsat
Date: 2007-08-13 10:12:15 UTC
From: SV1BSX
Topic: 783 Message: 783

--- Mineo Wakita <ei7m-wkt@...> wrote:

FO-29 is semi-operational Part II !

The command station announced again the following
operation schedule.
You may be hear FO-29 CW and will have chances to
work Transponder.

UTC
13 Aug 3:40-
5:25-

14 Aug 2:45-
4:26-
6:15-

15 Aug 3:35-
5:20-

16 Aug 2:40-
4:25-
6:10-

17 Aug 3:30-
5:15-

18 Aug 2:35-
4:20-
6:05-

19 Aug 3:23-
5:10-

Please keep downlink signal weaker than the beacon.

de JE9PEL, Mineo Wakita

Got a little couch potato?
Check out fun summer activities for kids.
http://search.yahoo.com/search?fr=oni_on_mail&p=summer+activities+for+kids&cs=bz

784. Re: FO-29 sked 14-19 Aug

Yahoo group: eu-amsat
Date: 2007-08-14 14:40:15 UTC
From: SV1BSX
Topic: 784 Message: 784

Hello all,

the semi-operation of FO-29 is good news, but unfortunately many of us we have not the chance to operate again the bird as these orbits are "out of range" and also very early morning for our locations.

So, I'm thinking if the JARL is possible to authorize a few additional Ground stations (1-2 operators)in Europe and USA, which they are very populated areas, in order to "trigger-ON" the bird.

For example, every afternoon the FO-29 has 2-3 nice ascending passes over Europe and then descending over USA, but the bird is silent. If someone can send a "trigger-ON" command to the Satellite before the European pass (ie when FO-29 comes from South of Europe), it will be active over Europe and USA as well till the next eclipse.

Just a thought...

73, Mak SV1BSX

--- Mineo Wakita <ei7m-wkt@...> wrote:

>
> FO-29 is semi-operational Part II !
>
> The command station announced again the following
> operation schedule.
> You may be hear FO-29 CW and will have chances to
> work Transponder.
>
> UTC
> 13 Aug 3:40-
> 5:25-
>
> 14 Aug 2:45-
> 4:26-
> 6:15-
>
> 15 Aug 3:35-
> 5:20-
>
> 16 Aug 2:40-
> 4:25-

> 6:10-
>
> 17 Aug 3:30-
> 5:15-
>
> 18 Aug 2:35-
> 4:20-
> 6:05-
>
> 19 Aug 3:23-
> 5:10-
>
> Please keep downlink signal weaker than the beacon.
>
> de JE9PEL, Mineo Wakita
>

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http://travel.yahoo.com/

785. Re: [eu-amsat] Re: FO-29 sked 14-19 Aug

Yahoo group: eu-amsat
Date: 2007-08-14 14:51:31 UTC
From: Andrew Glasbrenner
Topic: 784 Message: 785

I sent an offer of help on behalf of AMSAT-NA yesterday to the JARL lab address, as well as to Mineo and Masahiro who seem to have been the ones relaying the most information. I have not yet received a response, but am hopeful. Anyone who has a better point of contact please get in touch with me.

73, Drew KO4MA

?

?

-----Original Message-----
From: SV1BSX
Sent: Aug 14, 2007 10:40 AM
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@..., ei7m-wkt@asahi-net.or.jp
Subject: [eu-amsat] Re: FO-29 sked 14-19 Aug

Hello all,

the semi-operation of FO-29 is good news, but
unfortunately many of us we have not the chance to
operate again the bird as these orbits are "out of
range" and also very early morning for our locations.

So, I'm thinking if the JARL is possible to authorize
a few additional Ground stations (1-2 operators)in
Europe and USA, which they are very populated areas,
in order to "trigger-ON" the bird.

For example, every afternoon the FO-29 has 2-3 nice
ascending passes over Europe and then descending over
USA, but the bird is silent. If someone can send a
"trigger-ON" command to the Satellite before the
European pass (ie when FO-29 comes from South of
Europe), it will be active over Europe and USA as well
till the next eclipse.

Just a thought...

73, Mak SV1BSX

--- Mineo Wakita <ei7m-wkt@asahi-net.or.jp> wrote:

>
> FO-29 is semi-operational Part II !
>
> The command station announced again the following

> operation schedule.
> You may be hear FO-29 CW and will have chances to
> work Transponder.
>
> UTC
>; 13 Aug 3:40-
> 5:25-
>
> 14 Aug 2:45-
> 4:26-
> 6:15-
>
> 15 Aug 3:35-
> 5:20-
>
> 16 Aug 2:40-
> 4:25-
> 6:10-
>
> 17 Aug 3:30-
>; 5:15-
>
> 18 Aug 2:35-
> 4:20-
> 6:05-
>
> 19 Aug 3:23-
> 5:10-
>
> Please keep downlink signal weaker than the beacon.
>
> de JE9PEL, Mineo Wakita
>

_____
Need a vacation? Get great deals
to amazing places on Yahoo! Travel.
http://travel.yahoo.com/

786. The weak link!

Yahoo group: eu-amsat
Date: 2007-08-14 20:23:01 UTC
From: Luc Leblanc
Topic: 786 Message: 786

AO-07, AO-40, FO-29, and so on experience the same weakness "batteries" only UO-11 seems to confirm the theory by the opposite.

Could be instead of "fly and fix" "fix and fly" will be more desirable"? This new battery could be the salvation of the new generation of amateur radio satellites?

Here is the link: http://news.rpi.edu/update.do?artcenterkey=2280

"-"
Please join http://groups.yahoo.com/group/eu-amsat/ an uncensored Ham Radio BB.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

787. OSCAR-7 new DX QSO

Yahoo group: eu-amsat
Date: 2007-08-15 17:25:30 UTC
From: SV1BSX
Topic: 787 Message: 787

Hi all,
today I saw into Emily's Logbook, a very nice entry:

OH8MBN <AO-7> JA0BBW !

Gongratulations Mika, OH8MBN, for this excellent QSO
"across the pond". It seems like a great distance
between KP25RA - PM97LV, I have not calculate yet
the distance but probably is +-7000 Km.

Good one Mika !

73, Mak SV1BSX

Looking for a deal? Find great prices on flights and hotels with Yahoo! FareChase.
http://farechase.yahoo.com/

788. Homebrew Satellite antenna

Yahoo group: eu-amsat
Date: 2007-08-16 17:51:06 UTC
From: SV1BSX
Topic: 788 Message: 788

Check this out!

http://www.youtube.com/watch?v=hzzb1iKgVPg

SW1IXP has made this system, 100% homebrew.
TV-rotator ~50Euros, Actuator ~40Euros and several
alumin rods for masts, Booms and antenna elements.

(Who said that the Satellite antenna-systems are
expensive? He he he...)

73, Mak SV1BSX

_____
Moody friends. Drama queens. Your life? Nope! - their life, your story. Play Sims Stories at Yahoo! Games.
http://sims.yahoo.com/

789. Re: [eu-amsat] The weak link!

Yahoo group: eu-amsat
Date: 2007-08-17 11:21:06 UTC
From: SV1BSX
Topic: 786 Message: 789

Hi Luc & Group,

very interesting indeed this battery (except the
human blood!) and I agree with you:

always the problem on amateur satellites is from
battery.

Before several months I was wondering about the same
point and why the power sources on commercial
satellites are much more
reliable than amateur satellites. Then, I was thinking
the 2 Voyagers, they work in deep space without enough
Sunshine for 30 years (Voyager 1 launched at September
1977!)

How is that possible? well, these spacecrafts use
"nuclear batteries" !

I wondering if is possible to realizing that onto an
amateur satellite... can you imagine a HEO with
life-time for about 30 years?
Super-duper !

Have a look on Links:

http://www.msnbc.msn.com/id/7843868/

http://en.wikipedia.org/wiki/Atomic_battery

http://www.rexresearch.com/nucell/nucell.htm#techexplan

You can find much more infos on Google.

73, Mak SV1BSX

*>>> Looking forward for a reliable amateur
satellite.. life is too short for 4-5 unreliable HEOs
! Death is faster than ....AMSAT<<<*

--- Luc Leblanc <lucleblanc6@...> wrote:

> AO-07, AO-40, FO-29, and so on experience the same
> weakness "batteries" only
> UO-11 seems to confirm the theory by the opposite.
>
> Could be instead of "fly and fix" "fix and fly" will
> be more desirable"? This

> new battery could be the salvation of the new
> generation of amateur radio
> satellites?
>
> Here is the link:
> http://news.rpi.edu/update.do?artcenterkey=2280
>
>
> "-"
> Please join http://groups.yahoo.com/group/eu-amsat/
> an uncensored Ham Radio BB.
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
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>
> Yahoo! Groups Links
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>

Boardwalk for $500? In 2007? Ha! Play Monopoly Here and Now (it's updated for today's economy) at Yahoo! Games.
http://get.games.yahoo.com/proddesc?gamekey=monopolyherenow

790. Re: [sarex] Space Seeds Orbit Earth

Yahoo group: eu-amsat
Date: 2007-08-18 00:08:27 UTC
From: Luc Leblanc
Topic: 790 Message: 790

Just sending this again i was playing with my systems specs as Skype went into problems and i think i check or unchecked wrong box!

On 16 Aug 2007 at 19:35, Arthur Rowe wrote:

> SUBMITTED BY ARTHUR N1ORC - AMSAT A/C #31468
>
>
> > NASA Science News for August 16, 2007
> >
> > When she blasted off onboard the space shuttle Endeavour last week,
> > teacher-turned-astronaut Barbara Morgan carried millions of basil
> > seeds to the International Space Station. Soon she'll return millions
> > more "space seeds" for students on Earth to study. Educators, read
> > today's story to learn how to participate.
> >
> > FULL STORY at

>The teacher-turned-astronaut carried millions of basil seeds into orbit and
>onto the International Space Station. Basil ... in space? Well, you never
>know when the ISS might run into some bland spaghetti sauce.

With a good bottle of red wine (or 2)... ;)

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

791. AO-7 LOG.

Yahoo group: eu-amsat
Date: 2007-08-18 10:15:58 UTC
From: John Hackett
Topic: 791 Message: 791

Gentlemen,
Once again, please be advised, The AO-7 Resource Page log
was primarily designed to be an *ACTIVITY* log ... It was *NOT* meant to be
a contest log.

It was designed for those of us who are genuinely interested in the welfare
of the satellite ... so we could see the *activity* on this bird ... *NOT*
to see who can amass the most number of "points".

Worst case scenario ...

There is one particular station who has amassed well over 100 points in the
last 3 months without having conducted one single QSO ... not !!! what the
log was intended for.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

792. AO-7 log proposal.

Yahoo group: eu-amsat
Date: 2007-08-21 08:29:09 UTC
From: John Hackett
Topic: 792 Message: 792

To whom it may concern,
I propose that the statistics system of
the AO-7 Resource Page log be modified somewhat.

Namely ... that the scorecard *NOT* give points when no actual QSO takes
place.

Further ... that the minimum requirement should be an exchange of signal
report and locator for a
'valid' QSO to be added to the scorecard.

The reason that I propose this change is that one particular station has
claimed 34 points in the last 7 days without having conducted one single QSO
.... which makes a mockery of the current scorecard system.

While the log was originally intended as an ACTIVITY log ... there are many
stations who appreciate the scoring system ... thereby adding to the
'challenge' ... and increasing their awareness of the need for good
operating proceedures as well as improving their receiving capabilities.

It is unfair that these stations be surpassed by others who don't even have
a QSO via the satellite.

That is why I propose a modification of the scoring system ... ie ... no QSO
= no points.

Opinions, comments and 'flaming' to me please, preferably on the back of a
$100 note though an e-mail will suffice ... (at a pinch).

73 John. <la2qaa@...> AO-7 Resource Page Log Admin:

793. AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 12:24:32 UTC
From: John Hackett
Topic: 793 Message: 793

Hello folks,
Not having worked an FM satellite for about 10 years I'm
wondering if there's any activity over Europe on AO-51.

I've worked various analogue satellites every day for the last 17 years but
havn't listened to or worked AO-51 "live" ... though I have listened to it
while it was over California ... (while connected to N1DID
on Echolink).

I recently borrowed an IC-E91 D-Star handheld and thought of giving AO-51 a
try. My QTH on Frei Island doesn't lend itself to ISS passes but according
to InstantTRACK AO-51 does occasionally pass within spitting distance of me
.... but do the Europeans work this satellite?.

Any comments would be very much appreciated.

73 John. <la2qaa@...>

794. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 13:35:09 UTC
From: SV1BSX
Topic: 793 Message: 794

Hi John,

well, AO-51 is very active over Europe and sometimes
seems to be like a "Zoo", with a lot of QRM.
I have several weeks to listen that, may be these
days is easier due to August vacation-period.

About D-Star, as I remember (but I'm not sure) AO-51
is not the best bird to try somebody the D-Star. They
have made some successful QSOs with this system via
AO-27 (yes, I know, AO-27 is OFF over your QTH).

So, try AO-51 as FM-bird. Just have a look on AO-51's
schedule:

http://www.amsat.org/amsat-new/echo/ControlTeam.php

These days working on LU-mode (1.3 GHz Uplink/UHF
Downlink), so you must borrow ...another RIG for
1.3GHz (he he he !).

On the other hand, you can just listening now
other amateurs on 435.150, in order to test your
receiving. AO-51 has a particularity, the carrier on
Downlink frequency is always ON -even if somebody
talking on the bird or NOT. This feature is good in
order to be able to find someone easily the center
Downlink and helps also the Doppler-correction (see
..rookies!).

After 27 August will be back again to VU mode
(145920 Up / 435300 Down).

Then, try a "shoot" against to the bird...
the Hunting-period for our V-U guns is "open" again
after 26 August !

Have fun!

73 de Mak, SV1BSX

--- John Hackett <archie.hackett@...> wrote:

> Hello folks,
> Not having worked an FM satellite for
> about 10 years I'm
> wondering if there's any activity over Europe on
> AO-51.

>
> I've worked various analogue satellites every day
> for the last 17 years but
> havn't listened to or worked AO-51 "live" ... though
> I have listened to it
> while it was over California ... (while connected to
> N1DID
> on Echolink).
>
> I recently borrowed an IC-E91 D-Star handheld and
> thought of giving AO-51 a
> try. My QTH on Frei Island doesn't lend itself to
> ISS passes but according
> to InstantTRACK AO-51 does occasionally pass within
> spitting distance of me
> .... but do the Europeans work this satellite?.
>
> Any comments would be very much appreciated.
>
> 73 John. <la2qaa@...>
>
>
>
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>
> Yahoo! Groups Links
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>
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>
>

Choose the right car based on your needs. Check out Yahoo! Autos new Car Finder tool.
http://autos.yahoo.com/carfinder/

795. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 13:41:44 UTC
From: Thomas Frey
Topic: 793 Message: 795

John Hackett schrieb:
> Hello folks,
> Not having worked an FM satellite for about 10 years I'm
> wondering if there's any activity over Europe on AO-51.
>
> I've worked various analogue satellites every day for the last 17 years but
> havn't listened to or worked AO-51 "live" ... though I have listened to it
> while it was over California ... (while connected to N1DID
> on Echolink).
>
> I recently borrowed an IC-E91 D-Star handheld and thought of giving AO-51 a
> try. My QTH on Frei Island doesn't lend itself to ISS passes but according
> to InstantTRACK AO-51 does occasionally pass within spitting distance of me
> .... but do the Europeans work this satellite?.
>
> Any comments would be very much appreciated.
>
> 73 John. <la2qaa@...>
>
>
>
Oh yes, John. Over the weekends it would be sounded like in an ape-house.
You remember my statement in this forum ? ;-) There are most Italian and
also Russian OMs and in between HB9SKA :-)

You can also try SO-50 with a 67 Hz CTCSS-subtone. And AO-27 in the
first half of the orbit until the packet beacon.

Welcome John to the FM-Sats.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

796. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 16:44:56 UTC
From: John Hackett
Topic: 793 Message: 796

Mak,
Thanks for your tips. Well as a dyed-in-the-wool QRP'er and experienced *tailender* ... it should be interesting trying to catch the echo ... (pun intentional) ... before everybody else ... (the capture effect) ... on the Turkey shoot ... he-he-he-he.

Several stations have warned me about the TOTAL chaos ... something GM1SXX and myself have been talking about since the plans first became apparent for another FM satellite.

Single channel FM may be suitabe for certain commercial applications but is *NOT* the best choice when there are several potential users ... for obvious !!! reasons .... well, obvious to everybody except Amsat maybe.

Thanks for the warning Mak, I can assure you ... I am aware of the limitations.

73 John.

797. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 16:53:43 UTC
From: John Hackett
Topic: 793 Message: 797

Hello Thomas,
Well, I did work AO-27 soon after it was launched but
gave up due to the *TOTAL* chaos and inpracticle modulation mode for a
satellite with potentially several users within the range circle.

FM with it's capture effect promotes the *OPPOSITE* of good operating
proceedure for a satellite ... where one ought to take into account the
power buget etc ...

Amsat claim the FM sats are "EASYSATS" ... this may well be but they do
teach the worst possible practices to potential newcomers ... and therefore
are, unsuitable as "teachers".

That is my opinion anyway.

Thank you for taking the trouble to reply Thomas. Very much appreciated my
friend.

73 John

798. RE: MKARS... more

Yahoo group: eu-amsat
Date: 2007-08-21 22:12:19 UTC
From: John Hackett
Topic: 798 Message: 798

Hello Al,
Presumably you've also mentioned some of your comments to the man himself? ... beta testing, 20m version, *RIPPING* out a couple of toroids n' crystals ... (the latter being contributed by "the other half of the act").

I've had *MANY* replies to my AO-51 posts. In *EVERY* !!!! case the word "CHAOS" was mentioned so I think the GM1SXX/LA2QAA opinion of FM on an amateur satellite is justified.

Other words that were mentioned were ... ungentlemanly ... rubbish ... zoo .... bad operating practices ... (that !!!!! was a surprise).

Single user, capture effect ... hrm, FM is OK for certain commercial applications but quite unsuitable for the potential newcomer. Easysats? ... P?H !!! ... they teach the potential newcomer how *NOT* to operate a satellite ... (power budget, 100% duty cycle etc). With many users in the passband/range circle FM is *NOT* the mode I would recommend for a transponder ... but hey !!! ... that argument has had the excrement beaten out of it ... here, the 13 commandments apply ...

<http://www.observations.biz/Joint_Observations/the_thirteen_commandments.htm>

I'd also mentioned ... for the same price as AO-51 one could have had a mode A linear transponder on one satellite, a mode-B on another and a mode-J on a third ... using the RS model design AND STILL HAVE ENOUGH LEFT OVER FOR 2 x FISH SUPPERS. The *BIG* problem of course being the launches.

I re-lance my original idea from Observations in Oscar News anno 1995 ... a used knicker elastic campaign and a soddin: 'BIG* catapult ... but *DON'T* let the LA2QAA/GM1SXX team design it otherwise we'll probably end up with a few thousand pink and frillies orbiting the earth and a satellite still lying in the ground.

73 John. <la2qaa@...>

799. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-21 21:00:05 UTC
From: Thomas Frey
Topic: 793 Message: 799

John Hackett schrieb:
> Hello Thomas,
> Well, I did work AO-27 soon after it was launched but
> gave up due to the *TOTAL* chaos and inpracticle modulation mode for a
> satellite with potentially several users within the range circle.
>
> FM with it's capture effect promotes the *OPPOSITE* of good operating
> proceedure for a satellite ... where one ought to take into account the
> power buget etc ...
>
> Amsat claim the FM sats are "EASYSATS" ... this may well be but they do
> teach the worst possible practices to potential newcomers ... and therefore
> are, unsuitable as "teachers".
>
> That is my opinion anyway.
>
> Thank you for taking the trouble to reply Thomas. Very much appreciated my
> friend.
>
> 73 John
>
>
>
I fully agree with you John. I hope now, a few OMs who read this, would
operate with more discipline in future. Thank you, the fun will be greater.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

800. AO-51.

Yahoo group: eu-amsat
Date: 2007-08-22 08:06:10 UTC
From: John Hackett
Topic: 793 Message: 800

Hello Folks,
Thanks to everyone who provided comments re: my AO-51 post,
very much appreciated.

This morning I had my first listen (and QSO) over Europe via this satellite.
The comment from one of
my friends yesterday ... "a zoo" ... was absolutely accurate.

It's a good job I was married to to a Russian.

(AO-51 rises over Russia in the mornings before gracing Frei Island with
it's presence).

The standard of operating was precisely !! as I'd expected and reinforces my
opinion that FM is a mode quite unsuitable for amateur satellite operating
where there are several potential users competing for access ... promoting
the ... "mine's bigger than yours!" ... syndrom. Someting we *SHOULDN'T* be
teaching the potential newcomer.

Once again, thanks for the help.

NB,

Perspnallu, I got far !!! more out of operating SV1*** on CW via AO-7 than I
did operating UA**** on FM via AO-51 ... but then again, I'm old, bald and
senile.

73 John <la2qaa@...>

801. Re: [eu-amsat] AO-51.

Yahoo group: eu-amsat
Date: 2007-08-22 09:23:10 UTC
From: Thomas Frey
Topic: 793 Message: 801

John Hackett schrieb:
> Hello Folks,
> Thanks to everyone who provided comments re: my AO-51 post,
> very much appreciated.
>
> This morning I had my first listen (and QSO) over Europe via this satellite.
> The comment from one of
> my friends yesterday ... "a zoo" ... was absolutely accurate.
>
> It's a good job I was married to to a Russian.
>
> (AO-51 rises over Russia in the mornings before gracing Frei Island with
> it's presence).
>
> The standard of operating was precisely !! as I'd expected and reinforces my
> opinion that FM is a mode quite unsuitable for amateur satellite operating
> where there are several potential users competing for access ... promoting
> the ... "mine's bigger than yours!" ... syndrom. Someting we *SHOULDN'T* be
> teaching the potential newcomer.
>
> Once again, thanks for the help.
>
> NB,
>
> Perspnallu, I got far !!! more out of operating SV1*** on CW via AO-7 than I
> did operating UA**** on FM via AO-51 ... but then again, I'm old, bald and
> senile.
>
> 73 John <la2qaa@...>
>
>
Hello John and forum

"Easy-Sat" is our problem. In Europe and Near East (ex Soviet) there
are too many operators with a 2m/70cm rig to operate a single channel
FM-Satellite. Without good receiving and discipline (Ooooooola cryers
and crocodiles), FM-Sat-operation can not function well.

In America the situation is an other. There the Sat-HAM-population
scatters more over the whole continent.

A solution can only be to switch on CTCSS for mode V/U again. Or to
teach discipline, but...

I'm glad to operate mode L/U over AO-51 during the weekand again.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

802. RE: Don't ask... don't get.

Yahoo group: eu-amsat
Date: 2007-08-23 15:55:20 UTC
From: John Hackett
Topic: 802 Message: 802

Hello Al,
Smart !!! re: the offer of project testing.

If G*ALU is half as smart. he'll let you do it too. I hope he *is* that smart.

RGR on the tip re: the 2.5mm jack ... QSL.

QSL means: "I acknowledge receipt ... not !!! please send me a card ... though it *IS* the correct
code to use for acknowledgement of a QSO ... (as in QSL card).

OK !!! ... I know you know ... I'm just showing off my (mother) superior knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes more than Q-codes.

ZBF = prepare to receive a long message.

We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.

I could write a book about the Sigs methods of "remembering" things.

A big fat hairy Yoeman of Signals (instructor) used to *dig* us in the ribs with his Pace stick to showed us how to "remember" the letter F ... dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.

Q = Here comes the bride ... dah-dah-dit-dah

V = Beethoven's 5th symphony ... dit-dit-dit-dah.

Learning CW can be fun !!! ... you eventually progress to putting a standard issue hand key on the floor and transmitting via a broom handle ... and wo-betide !!! that nasty little man who doesn't transmit 100% perfect morse.

At least it was fun when I became the instructor and did the "digging" ... he-he-he.

73 John.

803. Re: [eu-amsat] RE: Don't ask... don't get.

Yahoo group: eu-amsat
Date: 2007-08-23 16:28:33 UTC
From: larry allen
Topic: 802 Message: 803

QSL means that I acknowledge the information you just sent me...
With respect to the QSL card, most hams ask for that specifically.
However, after you have had a qso (conversation), with someone, you should
consider sending your qsl card to him, considering the cost of one stamp
per card, via the qsl bureau. Most times, when that person receives your
qsl card they will, in turn, send their card, to you, via the bureau....
Larry ve3fxq

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <allan_gm1sxx@...>
Cc: <Eu-amsat@yahoogroups.com>
Sent: Thursday, August 23, 2007 11:55 AM
Subject: [eu-amsat] RE: Don't ask... don't get.

> Hello Al,
> Smart !!! re: the offer of project testing.
>
> If G*ALU is half as smart. he'll let you do it too. I hope he *is* that
> smart.
>
> RGR on the tip re: the 2.5mm jack ... QSL.
>
> QSL means: "I acknowledge receipt ... not !!! please send me a card ...
> though it *IS* the correct
> code to use for acknowledgement of a QSO ... (as in QSL card).
>
> OK !!! ... I know you know ... I'm just showing off my (mother) superior
> knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes more
> than Q-codes.
>
> ZBF = prepare to receive a long message.
>
> We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
>
> I could write a book about the Sigs methods of "remembering" things.
>
> A big fat hairy Yoeman of Signals (instructor) used to *dig* us in the
> ribs
> with his Pace stick to showed us how to "remember" the letter F ...
> dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
>
> Q = Here comes the bride ... dah-dah-dit-dah
>
> V = Beethoven's 5th symphony ... dit-dit-dit-dah.

>
> Learning CW can be fun !!! ... you eventually progress to putting a
> standard
> issue hand key on the floor and transmitting via a broom handle ... and
> wo-betide !!! that nasty little man who doesn't transmit 100% perfect
> morse.
>
> At least it was fun when I became the instructor and did the "digging"
> ...
> he-he-he.
>
> 73 John.
>
>
>

804. Re: [eu-amsat] RE: Don't ask... don't get.

Yahoo group: eu-amsat
Date: 2007-08-23 17:04:14 UTC
From: John Hackett
Topic: 802 Message: 804

Larry,
QSL ... Is that not what I said ?? ... (I'm wondering why you're
repeating it).

73 John.
.....
.....

>From: "larry allen" <larya@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>Date: Thu, 23 Aug 2007 12:28:33 -0400
>
>QSL means that I acknowledge the information you just sent me...
>With respect to the QSL card, most hams ask for that specifically.
>However, after you have had a qso (conversation), with someone, you should
>consider sending your qsl card to him, considering the cost of one stamp
>per card, via the qsl bureau. Most times, when that person receives your
>qsl card they will, in turn, send their card, to you, via the bureau....
>Larry ve3fxq
>
>----- Original Message -----
>From: "John Hackett" <archie.hackett@...>
>To: <allan_gm1sxx@...>
>Cc: <Eu-amsat@yahoogroups.com>
>Sent: Thursday, August 23, 2007 11:55 AM
>Subject: [eu-amsat] RE: Don't ask... don't get.
>
>
> > Hello Al,
> > Smart !!! re: the offer of project testing.
> >
> > If G*ALU is half as smart. he'll let you do it too. I hope he *is* that
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> > RGR on the tip re: the 2.5mm jack ... QSL.
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> > QSL means: "I acknowledge receipt ... not !!! please send me a card ...
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> > code to use for acknowledgement of a QSO ... (as in QSL card).
> >
> > OK !!! ... I know you know ... I'm just showing off my (mother) superior
> > knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes more
> > than Q-codes.

> >
> > ZBF = prepare to receive a long message.
> >
> > We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
> >
> > I could write a book about the Sigs methods of "remembering" things.
> >
> > A big fat hairy Yoeman of Signals (instructor) used to *dig* us in the
> > ribs
> > with his Pace stick to showed us how to "remember" the letter F ...
> > dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
> >
> > Q = Here comes the bride ... dah-dah-dit-dah
> >
> > V = Beethoven's 5th symphony ... dit-dit-dit-dah.
> >
> > Learning CW can be fun !!! ... you eventually progress to putting a
> > standard
> > issue hand key on the floor and transmitting via a broom handle ... and
> > wo-betide !!! that nasty little man who doesn't transmit 100% perfect
> > morse.
> >
> > At least it was fun when I became the instructor and did the "digging"
> > ...
> > he-he-he.
> >
> > 73 John.
> >
> >
> >
>

805. a-nit-picking we will go ..... Martin Carthy.

Yahoo group: eu-amsat
Date: 2007-08-23 17:17:06 UTC
From: John Hackett
Topic: 802 Message: 805

To anyone concerned,
As I mentioned to Larry, I had already said
QSL ... for those who didn't understand the obvious, I can write the reply
in full ... (which defeats the object of Q & Z codes).

I acknowledge the fact that GM1SXX 'INFORMED' me he had sent me 1 x 2.5mm
jack plug.

Ergo ... 'QSL'.

(This post for those whom apparently like to nit-pick and/or fail to see the
obvious).

73 John.

.....
.....

>From: "larry allen" <larya@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>Date: Thu, 23 Aug 2007 12:28:33 -0400
>
>QSL means that I acknowledge the information you just sent me...
>With respect to the QSL card, most hams ask for that specifically.
>However, after you have had a qso (conversation), with someone, you should
>consider sending your qsl card to him, considering the cost of one stamp
>per card, via the qsl bureau. Most times, when that person receives your
>qsl card they will, in turn, send their card, to you, via the bureau....
>Larry ve3fxq
>
>----- Original Message -----
>From: "John Hackett" <archie.hackett@...>
>To: <allan_gm1sxx@...>
>Cc: <Eu-amsat@yahoogroups.com>
>Sent: Thursday, August 23, 2007 11:55 AM
>Subject: [eu-amsat] RE: Don't ask... don't get.
>
>
> > Hello Al,
> > Smart !!! re: the offer of project testing.
> >
> > If G*ALU is half as smart. he'll let you do it too. I hope he *is* that
> > smart.
> >

> > RGR on the tip re: the 2.5mm jack ... QSL.
> >
> > QSL means: "I acknowledge receipt ... not !!! please send me a card ...
> > though it *IS* the correct
> > code to use for acknowledgement of a QSO ... (as in QSL card).
> >
> > OK !!! ... I know you know ... I'm just showing off my (mother) superior
> > knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes more
> > than Q-codes.
> >
> > ZBF = prepare to receive a long message.
> >
> > We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
> >
> > I could write a book about the Sigs methods of "remembering" things.
> >
> > A big fat hairy Yoeman of Signals (instructor) used to *dig* us in the
> > ribs
> > with his Pace stick to showed us how to "remember" the letter F ...
> > dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
> >
> > Q = Here comes the bride ... dah-dah-dit-dah
> >
> > V = Beethoven's 5th symphony ... dit-dit-dit-dah.
> >
> > Learning CW can be fun !!! ... you eventually progress to putting a
> > standard
> > issue hand key on the floor and transmitting via a broom handle ... and
> > wo-betide !!! that nasty little man who doesn't transmit 100% perfect
> > morse.
> >
> > At least it was fun when I became the instructor and did the "digging"
> > ...
> > he-he-he.
> >
> > 73 John.
> >
> >
> >
>

806. Re: [amsat-bb] A051

Yahoo group: eu-amsat
Date: 2007-08-23 18:04:35 UTC
From: Luc Leblanc
Topic: 806 Message: 806

On 23 Aug 2007 at 14:53, k3szh@... wrote:

> Subject: A051
>

The only one sat you missed is AO-40 the king pin of the whole amateur radio satellite but you are right about AO-51 on paper it was supposed to be an opener... but practice demonstrate that the theory is far for reality it is more a closer! Those who come from HF are generally disappointed as the QSO'S are: name here is XXX grid square XX34XX 59 your signal report and next name here is YYY and so on.

I think even if we can make AO-51 with an HT and a rubber duck i still think amateur satellite world is not suitable for QRP but HF is.

HEO is our salvation

>plus some very secret stuff.
>

You make me curious! can we have a clue?

"-"
PS. flames pass but flame thrower are probably already in hell...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

807. Fw: [amsat-bb] A051

Yahoo group: eu-amsat
Date: 2007-08-23 18:16:18 UTC
From: SV1BSX
Topic: 807 Message: 807

----- Original Message -----
From: <k3szh@...>
To: <amsat-bb@...>
Sent: Thursday, August 23, 2007 17:53
Subject: [amsat-bb] A051

> Subject: A051
>
>
As a long time active satellite operator starting with the days of A06 and up, and a 33 year AMSAT member, I have a question. What happened to progress? When A051 went up I thought and read that A051 was a stepping stone to the introduction of new members to satellite communication, to get on with simple and doable equipment. To feel the excitement of communicating via an orbiting satellite. However, members and non members are still falling over and qrming each other to get that elusive grid square or state, and that's fine. What happened to progress?

Yes, I remember my first satellite contact on A06 which was across the pond to G2RD using mostly homemade equipment. Even my wife celebrated my accomplishment with me. The stuff was not as available as today, or I couldn't afford some of it.

The fm sats dominate as far as activity. A07, V052 and F029 combined are not even close. Why have people not progressed to the other sats to get the feel, experience and hopefully improve their receiving skills. It will take that to be successful. I could work 49 states (Hawaii is a stretch for me on A07) in a week or less if people from the fm satellites would join us on these CW and SSB birds. That's how large the footprint is. Check out Emily's A07 Logger. There are many more EU stations then on the US side.

Since A07 has come back from its long sleep it kept my interest going. P3E will be going up shortly. I have an almost daily QSO on A07, yes a QSO, with a friend Terry G1WPR - sometimes 10 minutes or more. And there are others. The world is much larger than the A051 footprint. It will also give you an opportunity to improve your receiving, which will be needed when P3E goes up.

No, I don't like waiting for the next HEO to go up as my time is probably shorter than yours, but I progressed. If it weren't for AMSAT we wouldn't have the satellites available to us. And what about Martha in the office, what a gal! Be an AMSAT member and not a freeloader. Maybe we should have a contest for AMSAT numbers only - just kidding. That's my take.

Now before you rip me apart and put your flamethrower on, which seems to be the norm on the bb, I can take the heat. Before my retirement I worked in

management with a large heavy equipment hauling firm, in fact we transported the Hubble Telescope and a 33 foot diameter mirror for an observatory, as some items as heavy as 300,000 pounds plus some very secret stuff.

73's Joe
AMSAT 3788

808. AO-7: lonely pass tonight...

Yahoo group: eu-amsat
Date: 2007-08-23 18:35:11 UTC
From: SV1BSX
Topic: 808 Message: 808

Hi,

AO-7 was lonely tonight on pass over central Europe (orbit #49958 according to NOVA) !
Very unusual for evening pass. I began my CQ CQ CW when it was over central Africa,
I finished over N.Scandinavia, nobody answered.

Too bad, it was BOOMING... I lost my signal when the footprint was highlighting on
NE coast of Canada! Excellent listening even if I have mountains to this direction and
usually my signal is lost at this point.

73, Mak SV1BSX

809. Re: [eu-amsat] RE: Don't ask... don't get.

Yahoo group: eu-amsat
Date: 2007-08-23 19:01:24 UTC
From: larry allen
Topic: 802 Message: 809

>> > QSL means: "I acknowledge receipt ... not !!! please send me a card
>> > ...
>> > though it *IS* the correct
>> > code to use for acknowledgement of a QSO ... (as in QSL card).

Strickly speaking.. you are incorrect....QSL does not mean, what you said
in the above comment....
QSL does not mean 'I acknowledge..... send me a qsl card'....
QSL means that 'I acknowledge what you sent'
If you want a qsl card you have to ask for that separately....
Larry

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, August 23, 2007 1:04 PM
Subject: Re: [eu-amsat] RE: Don't ask... don't get.

> Larry,
> QSL ... Is that not what I said ?? ... (I'm wondering why you're
> repeating it).
>
> 73 John.
> .....
.....
>
>
>>From: "larry allen" <larya@...>
>>Reply-To: eu-amsat@yahoogroups.com
>>To: <eu-amsat@yahoogroups.com>
>>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>>Date: Thu, 23 Aug 2007 12:28:33 -0400
>>
>>QSL means that I acknowledge the information you just sent me...
>>With respect to the QSL card, most hams ask for that specifically.
>>However, after you have had a qso (conversation), with someone, you
>>should
>>consider sending your qsl card to him, considering the cost of one stamp
>>per card, via the qsl bureau. Most times, when that person receives your
>>qsl card they will, in turn, send their card, to you, via the bureau....
>>Larry ve3fxq
>>
>>----- Original Message -----
>>From: "John Hackett" <archie.hackett@...>
>>To: <allan_gm1sxx@...>
>>Cc: <Eu-amsat@yahoogroups.com>

>>Sent: Thursday, August 23, 2007 11:55 AM
>>Subject: [eu-amsat] RE: Don't ask... don't get.
>>
>>
>> > Hello Al,
>> > Smart !!! re: the offer of project testing.
>> >
>> > If G*ALU is half as smart. he'll let you do it too. I hope he *is*
>> > that
>> > smart.
>> >
>> > RGR on the tip re: the 2.5mm jack ... QSL.
>> >
>> > QSL means: "I acknowledge receipt ... not !!! please send me a card
>> > ...
>> > though it *IS* the correct
>> > code to use for acknowledgement of a QSO ... (as in QSL card).
>> >
>> > OK !!! ... I know you know ... I'm just showing off my (mother)
>> > superior
>> > knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes
>> > more
>> > than Q-codes.
>> >
>> > ZBF = prepare to receive a long message.
>> >
>> > We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
>> >
>> > I could write a book about the Sigs methods of "remembering" things.
>> >
>> > A big fat hairy Yoeman of Signals (instructor) used to *dig* us in
>> > the
>> > ribs
>> > with his Pace stick to showed us how to "remember" the letter F ...
>> > dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
>> >
>> > Q = Here comes the bride ... dah-dah-dit-dah
>> >
>> > V = Beethoven's 5th symphony ... dit-dit-dit-dah.
>> >
>> > Learning CW can be fun !!! ... you eventually progress to putting a
>> > standard
>> > issue hand key on the floor and transmitting via a broom handle ...
>> > and
>> > wo-betide !!! that nasty little man who doesn't transmit 100% perfect
>> > morse.
>> >
>> > At least it was fun when I became the instructor and did the
>> > "digging"
>> > ...

```
>> > he-he-he.
>> >
>> > 73 John.
>> >
>> >
>> >
>>
>
>
>
```

810. Grammatically speaking ...

Yahoo group: eu-amsat
Date: 2007-08-23 19:34:34 UTC
From: John Hackett
Topic: 802 Message: 810

Larry,
In standard English grammer, three full stops (when used as a punctuation) is used as a seperator in a sentence ... ie, it seperates two *SEPERATE* statements.

It divides the sentence into two parts - "I ACKNOWLEDGE RECEIPT" - and - "NOT !!!, PLEASE SEND ME A CARD. ie ... one being the correct meaning of the QSL designator, the other being the incorrect meaning of the designator.

You have obviously misunderstood the seperator and concluded that the two seperate parts of the sentences were in fact one ... (which they are not).

You've obviously read the sentence as an entirity (which it isn't). There are two seperate statements (on the same line) seperated by the ... (3 x full stop) seperator.

Please try reading the original post again.

Then ... as you will now (hopefully) see, as I previously stated ... that's what I said !!!.

QSL means ... I acknowledge receipt.

The QSL "card" reference was a reference to what it DOES NOT mean ... but what many amateur operators *USE* it for.

Now lets put this one to bed please.

73 John. <la2qaa@...> AO-7 Resource Page Log Admin: EU-Amsat Moderator.

<Homepage: http://www.observations.biz>

.....
.....

>From: "larry allen" <larya@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>Date: Thu, 23 Aug 2007 15:01:24 -0400
>
> >> > QSL means: "I acknowledge receipt ... not !!! please send me a card
> >> > ...
> >> > though it *IS* the correct
> >> > code to use for acknowledgement of a QSO ... (as in QSL card).
>
>Strickly speaking.. you are incorrect....QSL does not mean, what you said

>in the above comment....
>QSL does not mean 'I acknowledge..... send me a qsl card'....
>QSL means that 'I acknowledge what you sent'
>If you want a qsl card you have to ask for that separately....
>Larry
>
>
>
>
>----- Original Message -----
>From: "John Hackett" <archie.hackett@...>
>To: <eu-amsat@yahoogroups.com>
>Sent: Thursday, August 23, 2007 1:04 PM
>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>
>
> > Larry,
> > QSL ... Is that not what I said ?? ... (I'm wondering why you're
> > repeating it).
> >
> > 73 John.
> >
>.....
.....
> >
> >
> >>From: "larry allen" <larya@...>
> >>Reply-To: eu-amsat@yahoogroups.com
> >>To: <eu-amsat@yahoogroups.com>
> >>Subject: Re: [eu-amsat] RE: Don't ask... don't get.
> >>Date: Thu, 23 Aug 2007 12:28:33 -0400
> >>
> >>QSL means that I acknowledge the information you just sent me...
> >>With respect to the QSL card, most hams ask for that specifically.
> >>However, after you have had a qso (conversation), with someone, you
> >>should
> >>consider sending your qsl card to him, considering the cost of one stamp
> >>per card, via the qsl bureau. Most times, when that person receives your
> >>qsl card they will, in turn, send their card, to you, via the bureau....
> >>Larry ve3fxq
> >>
> >>----- Original Message -----
> >>From: "John Hackett" <archie.hackett@...>
> >>To: <allan_gm1sxx@...>
> >>Cc: <Eu-amsat@yahoogroups.com>
> >>Sent: Thursday, August 23, 2007 11:55 AM
> >>Subject: [eu-amsat] RE: Don't ask... don't get.
> >>
> >>
> >> > Hello Al,

> >> > Smart !!! re: the offer of project testing.
> >> >
> >> > If G*ALU is half as smart. he'll let you do it too. I hope he *is*
> >> > that
> >> > smart.
> >> >
> >> > RGR on the tip re: the 2.5mm jack ... QSL.
> >> >
> >> > QSL means: "I acknowledge receipt ... not !!! please send me a card
> >> > ...
> >> > though it *IS* the correct
> >> > code to use for acknowledgement of a QSO ... (as in QSL card).
> >> >
> >> > OK !!! ... I know you know ... I'm just showing off my (mother)
> >> > superior
> >> > knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes
> >> > more
> >> > than Q-codes.
> >> >
> >> > ZBF = prepare to receive a long message.
> >> >
> >> > We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
> >> >
> >> > I could write a book about the Sigs methods of "remembering" things.
> >> >
> >> > A big fat hairy Yoeman of Signals (instructor) used to *dig* us in
> >> > the
> >> > ribs
> >> > with his Pace stick to showed us how to "remember" the letter F ...
> >> > dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
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> >> > Q = Here comes the bride ... dah-dah-dit-dah
> >> >
> >> > V = Beethoven's 5th symphony ... dit-dit-dit-dah.
> >> >
> >> > Learning CW can be fun !!! ... you eventually progress to putting a
> >> > standard
> >> > issue hand key on the floor and transmitting via a broom handle ...
> >> > and
> >> > wo-betide !!! that nasty little man who doesn't transmit 100% perfect
> >> > morse.
> >> >
> >> > At least it was fun when I became the instructor and did the
> >> > "digging"
> >> > ...
> >> > he-he-he.
> >> >
> >> > 73 John.
> >> >
> >> >

> >> >
> >>
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> >
>

811. Re: [eu-amsat] Grammatically speaking ...

Yahoo group: eu-amsat
Date: 2007-08-23 19:58:34 UTC
From: Thomas Frey
Topic: 802 Message: 811

Gentlemen, please look here what QSL means:
http://en.wikipedia.org/wiki/Q_code

John Hackett schrieb:
> Larry,
> In standard English grammer, three full stops (when used as a
> punctuation) is used as a seperator in a sentence ... ie, it seperates two
> *SEPERATE* statements.
>
> It divides the sentence into two parts - "I ACKNOWLEDGE RECEIPT" - and -
> "NOT !!!, PLEASE SEND ME A CARD. ie ... one being the correct meaning of the
> QSL designator, the other being the incorrect meaning of the designator.
>
> You have obviously misunderstood the seperator and concluded that the two
> seperate parts of the sentences were in fact one ... (which they are not).
>
> You've obviously read the sentence as an entirity (which it isn't). There
> are two seperate statements (on the same line) seperated by the ... (3 x
> full stop) seperator.
>
> Please try reading the original post again.
>
> Then ... as you will now (hopefully) see, as I previously stated ... that's
> what I said !!!.
>
> QSL means ... I acknowledge receipt.
>
> The QSL "card" reference was a reference to what it DOES NOT mean ... but
> what many amateur operators *USE* it for.
>
> Now lets put this one to bed please.
>
> 73 John. <la2qaa@...> AO-7 Resource Page Log Admin: EU-Amsat
> Moderator.
>
> <Homepage: http://www.observations.biz>
>
> ....
>
>
>
>> From: "larry allen" <larya@...>
>> Reply-To: eu-amsat@yahoogroups.com
>> To: <eu-amsat@yahoogroups.com>

>> Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>> Date: Thu, 23 Aug 2007 15:01:24 -0400
>>
>>
>>>>> QSL means: "I acknowledge receipt ... not !!! please send me a card
>>>>> ...
>>>>> though it *IS* the correct
>>>>> code to use for acknowledgement of a QSO ... (as in QSL card).
>>>>>
>> Strickly speaking.. you are incorrect....QSL does not mean, what you said
>> in the above comment....
>> QSL does not mean 'I acknowledge..... send me a qsl card'....
>> QSL means that 'I acknowledge what you sent'
>> If you want a qsl card you have to ask for that separately....
>> Larry
>>
>>
>>
>>
>> ----- Original Message -----
>> From: "John Hackett" <archie.hackett@...>
>> To: <eu-amsat@yahoogroups.com>
>> Sent: Thursday, August 23, 2007 1:04 PM
>> Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>>
>>
>>
>>> Larry,
>>> QSL ... Is that not what I said ?? ... (I'm wondering why you're
>>> repeating it).
>>>
>>> 73 John.
>>>
>>>
>> .....
.....
>>
>>>
>>>> From: "larry allen" <larya@...>
>>>> Reply-To: eu-amsat@yahoogroups.com
>>>> To: <eu-amsat@yahoogroups.com>
>>>> Subject: Re: [eu-amsat] RE: Don't ask... don't get.
>>>> Date: Thu, 23 Aug 2007 12:28:33 -0400
>>>>
>>>> QSL means that I acknowledge the information you just sent me...
>>>> With respect to the QSL card, most hams ask for that specifically.
>>>> However, after you have had a qso (conversation), with someone, you
>>>> should
>>>> consider sending your qsl card to him, considering the cost of one stamp
>>>> per card, via the qsl bureau. Most times, when that person receives your

>>>> qsl card they will, in turn, send their card, to you, via the bureau....
>>>> Larry ve3fxq
>>>>
>>>> ----- Original Message -----
>>>> From: "John Hackett" <archie.hackett@...>
>>>> To: <allan_gm1sxx@...>
>>>> Cc: <Eu-amsat@yahoogroups.com>
>>>> Sent: Thursday, August 23, 2007 11:55 AM
>>>> Subject: [eu-amsat] RE: Don't ask... don't get.
>>>>
>>>>
>>>>
>>>>> Hello Al,
>>>>> Smart !!! re: the offer of project testing.
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>>>>> If G*ALU is half as smart. he'll let you do it too. I hope he *is*
>>>>> that
>>>>> smart.
>>>>>
>>>>> RGR on the tip re: the 2.5mm jack ... QSL.
>>>>>
>>>>> QSL means: "I acknowledge receipt ... not !!! please send me a card
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>>>>> though it *IS* the correct
>>>>> code to use for acknowledgement of a QSO ... (as in QSL card).
>>>>>
>>>>> OK !!! ... I know you know ... I'm just showing off my (mother)
>>>>> superior
>>>>> knowledge of the Q-codes but in the Sigs we used Royal Navy Z-codes
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>>>>> than Q-codes.
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>>>>> ZBF = prepare to receive a long message.
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>>>>> We "remembered" that one as ... ZBF = "Ze BIG Fu*ker" !!!.
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>>>>> I could write a book about the Sigs methods of "remembering" things.
>>>>>
>>>>> A big fat hairy Yoeman of Signals (instructor) used to *dig* us in
>>>>> the
>>>>> ribs
>>>>> with his Pace stick to showed us how to "remember" the letter F ...
>>>>> dit-dit-dah-dit ... DID IT HURT YOU? ... we NEVER !!! forgot F.
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>>>>> Q = Here comes the bride ... dah-dah-dit-dah
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>>>>> V = Beethoven's 5th symphony ... dit-dit-dit-dah.
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>>>>> Learning CW can be fun !!! ... you eventually progress to putting a
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>>>>> issue hand key on the floor and transmitting via a broom handle ...
>>>>> and
>>>>> wo-betide !!! that nasty little man who doesn't transmit 100% perfect
>>>>> morse.
>>>>>
>>>>> At least it was fun when I became the instructor and did the
>>>>> "digging"
>>>>> ...
>>>>> he-he-he.
>>>>>
>>>>> 73 John.
>>>>>
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>
> Yahoo! Groups Links
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--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

812. Re: [eu-amsat] Grammatically speaking ...

Yahoo group: eu-amsat
Date: 2007-08-24 07:00:59 UTC
From: John Hackett
Topic: 802 Message: 812

Thomas,
You said ...

>Gentlemen, please look here what QSL means:
>http://en.wikipedia.org/wiki/Q_code

As you may have already seen, the Q-codes were used extensively by the British military and as a British military telegraphy instructor for more than 18 years I believe I've used a fair amount of them in a professional capacity ... Z-codes as well.

Had the gentleman making the comments bothered to check properly, he would have found my original post to be correct.

73 John. <la2qaa@...>

813. For your amusement.

Yahoo group: eu-amsat
Date: 2007-08-24 07:18:33 UTC
From: John Hackett
Topic: 813 Message: 813

For those who may (or may not) have been following the 'QSL' thread.

Here's one for your amusement.

While teaching the budding radio operators 'proceedure' in the British military Signals, it was imperative that they

1) Not have 'mannerisms' as these would immediately be recognised by the enemy and 'logged' ... thereby giving away one's position ... and

2) Faithfully relay a message PRECISELY as it was received.

However ... into that equation often fell 'human error' and after being passed from mouth to mouth several times, what was originally instigated as .... "Send reinforcements, we're going to advance" ...
after several relays in adverse propagation conditions soon became ... "Send three-and-fourpence, we're going to a dance".

A statement giving a COMPLETELY different meaning.

The moral ... What may be perceived as correct, may not always be so ... and if in doubt it is always wise to check with the original instigator of the message before 'transmitting'.

73 John. <la2qaa@...>

814. AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-25 17:19:10 UTC
From: John Hackett
Topic: 814 Message: 814
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mak,
I believe I broke the AO-7 distance record this morning with a
QSO with Patrick K9HF in Madison, Ohio, EM48UN.

EM48UN to Frei Island JP33WB is just over 7800Km according to your DX
calculator.

Unfortunately, the e-mails I tried sending to Patrick at his address on
QSL-COM and Amsat.org have all bounced so unless he reads this and contacts
me with his QSL I cannot confirm the contact.

Just like the one I had on FO-20 with Japan some years ago ... for the
longest distance LEO DX QSO.

However ... I presume you have seen the cards from AL7JK ??.

<http://www.observations.biz/Observations_from_Norway/how_much_power_is_enough_pt2.htm>

I've attached my own card for this mornings QSO with K9HF.

If K9HF ... (or anyone else) ... contacts me with his e-mail address I'll
let you know.

73 John. <la2qaa@...>

815. Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-25 20:37:34 UTC
From: SV1BSX
Topic: 814 Message: 815

Hi John,

congrat's about your QSO, unfortunately I have no time right now to calculate the
distance due to emergency conditions here with fires, I'm busy with emergency
communications.

For calculation I'm using the AZIMUTH programl.
I have this program into "Files" forder of EU-Amsat Group.
When I have free time, I will calculate also the distance.

73, Mak SV1BSX

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <sv1bsx@...>
Cc: <Eu-amsat@yahoogroups.com>; <amsat-bb@...>
Sent: Saturday, August 25, 2007 20:19
Subject: [eu-amsat] AO-7 Distance Record.

> Hi Mak,
> I believe I broke the AO-7 distance record this morning with a
> QSO with Patrick K9HF in Madison, Ohio, EM48UN.
>
> EM48UN to Frei Island JP33WB is just over 7800Km according to your DX
> calculator.
>
> Unfortunately, the e-mails I tried sending to Patrick at his address on
> QSL-COM and Amsat.org have all bounced so unless he reads this and
> contacts
> me with his QSL I cannot confirm the contact.
>
> Just like the one I had on FO-20 with Japan some years ago ... for the
> longest distance LEO DX QSO.
>
> However ... I presume you have seen the cards from AL7JK ??.
>
> <http://www.observations.biz/Observations_from_Norway/how_much_power_is_enough_pt2.htm>
>
> I've attached my own card for this mornings QSO with K9HF.
>
> If K9HF ... (or anyone else) ... contacts me with his e-mail address I'll
> let you know.
>
> 73 John. <la2qaa@...>

>
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>
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> Yahoo! Groups Links
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816. Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-25 21:56:05 UTC
From: Thomas Frey
Topic: 814 Message: 816

Hello John

My program DHT-Locator from ON1DHT calculates 6598 km. But you know
my meaning, you have to add the 2 ranges.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

817. Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-25 23:54:51 UTC
From: SV1BSX
Topic: 814 Message: 817

Gentlemans,
I am really confused!

Thomas I did not know this program, I downloaded just now and it's quite
easy!
Thanks for info!

But, according to this the distance between JP33WB - EM48UN is... 6626 Km !

Not 6598 or 7800 Km as Thomas and John, respectively mentioned !

So, I'm totally confused with your calculations.... and what means that
"to
add 2 ranges"???

73, Mak SV1BSX

PS: BTW the program is OK with other Locators that I have tested, so seems
to be correct.

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, August 26, 2007 00:56
Subject: Re: [eu-amsat] AO-7 Distance Record.

> Hello John
>
> My program DHT-Locator from ON1DHT calculates 6598 km. But you know
> my meaning, you have to add the 2 ranges.
>
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU
>
>
>
>
> Yahoo! Groups Links
>

>
>

818. AO-7 Distance record.

Yahoo group: eu-amsat
Date: 2007-08-26 02:27:38 UTC
From: John Hackett
Topic: 818 Message: 818

Hi Thomas, Mak,
Don't worry about it ... (I'm not) ... it doesn't
matter which program one uses to calculate the distance ... Frei Island to
Japan is still the longest LEO contact to the best of my knowledge ...
though that one was on FO-20.

7800 or "merely" 6500Km on AO-7 ... it's still better than a kick up the
arse.

At least I do have the QSL's for the regular contacts from Frei Island to
Eagle River, Alaska.

<http://www.observations.biz/Observations_from_Norway/how_much_power_is_enough_pt2.htm>

However, the distance is not so important but it is interesting to be able
to illustrate what can be done with low power and home brew gear.

NB.

It's refreshing to see more and more American stations rediscovering CW and
SSB on AO-7 but PLEASE !!!! watch the power. The gentleman "crowing" about
your amplifier ... SWITCH IT OFF !!!.

The *ONLY* time you need an amplifier is when you're using a 50 ohm resistor
for an aerial.

(Tongue-in-cheek of course but it is permissible to use common sense). The
newcomer often uses far more power than is necessary ... and I can assure
you, anadequate receiving system *DOES* help.

Remember ... near the horizon AO-7 is 300Km away, at TCA (time of closest
approach) it's only 1000Km above you and you need *A LOT* less power to
communicate.

Please read this ...

<http://www.observations.biz/Observations_from_Norway/howmuchpowerisenough.htm>

73 John. <la2qaa@...>

819. Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-26 00:17:40 UTC
From: Thomas Frey
Topic: 814 Message: 819

SV1BSX schrieb:
> Gentlemans,
> I am really confused!
>
> Thomas I did not know this program, I downloaded just now and it's quite
> easy!
> Thanks for info!
>
> But, according to this the distance between JP33WB - EM48UN is... 6626 Km !
>
> Not 6598 or 7800 Km as Thomas and John, respectively mentioned !
>
>
That's my calculation:

Home locator:JP33WP
Target Locator:EM48UN
Distance: 6598 km
Azimuth : 295 degrees
Longitude: 90.29166?
Latitude: 38.5625?

Have you an other result ?

> So, I'm totally confused with your calculations.... and what means that
> "to
> add 2 ranges"???
>
We had a discussion about this. My meaning is, you have to add your
range to the satellite and the range from your QSO-partner for a distance
calculation. If you calculate with locators, you get the distance on earth,
not over the satellite.

> 73, Mak SV1BSX
>
> PS: BTW the program is OK with other Locators that I have tested, so seems
> to be correct.
>
>
>

73 and good night for now
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

827. sorry for multi-Email!

Yahoo group: eu-amsat
Date: 2007-08-26 10:14:51 UTC
From: SV1BSX
Topic: 827 Message: 827

..sorry for my previous Email in 3 parts!

I'm not using my personal PC... this one I'm using now it has on "settings" Emails upto 60 KB only.
My message was larger, so the Email was spliting
in 1/1, 2/3 & 3/3.

Don't worry.... my apologies for trouble.

73, Mak SV1BSX

==========
>Mak, SV1BSX wrote:
>
>
>GM,
>
>Thomas the difference is... logical !
>
>
>You have as John's Locator JP33WP, and not JP33WB which is the correct !
>
>
>73, Mak SV1BSX

828. Re: [eu-amsat] AO-7 Distance record.

Yahoo group: eu-amsat
Date: 2007-08-26 10:48:58 UTC
From: Thomas Frey
Topic: 818 Message: 828

John Hackett schrieb:
> NB.
>
> It's refreshing to see more and more American stations rediscovering CW and
> SSB on AO-7 but PLEASE !!!! watch the power. The gentleman "crowing" about
> your amplifier ... SWITCH IT OFF !!!.
>
> The *ONLY* time you need an amplifier is when you're using a 50 ohm resistor
> for an aerial.
>
> (Tongue-in-cheek of course but it is permissible to use common sense). The
> newcomer often uses far more power than is necessary ... and I can assure
> you, anadequate receiving system *DOES* help.
>
> Remember ... near the horizon AO-7 is 300Km away, at TCA (time of closest
> approach) it's only 1000Km above you and you need *A LOT* less power to
> communicate.
>
> Please read this ...
>
> <http://www.observations.biz/Observations_from_Norway/howmuchpowerisenough.htm>
>
> 73 John. <la2qaa@...>
>
>
John, have you checked if there are satellite-OPs and not DXers on
432 MHz ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

829. RE: [eu-amsat] sorry for multi-Email!

Yahoo group: eu-amsat
Date: 2007-08-26 11:15:49 UTC
From: John Hackett
Topic: 827 Message: 829

Mak,
All your mails were blank! ... (no text) ... so I didn't get
anything.

RGR on the fires ... I imagine you're busy with emergency communications.
Wishh !!! I was there to help you.

73 John.

830. Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-26 14:37:39 UTC
From: John Hackett
Topic: 814 Message: 830

Hi Gents,
Well, I'm with Thomas HB9SKA on this one.

For a satellite QSO you need to calculate the distance from the transmitter to the receiver ... ie, Station A to the satellite concerned ... and from the satellite to station B ... then add them together to get the true distance the signal travels.

Like Thomas says ... using the locator to locator measurement only gives the "terrestial" distance.

73 John. <la2qaa@...>

831. Power on 432Mhz.

Yahoo group: eu-amsat
Date: 2007-08-26 14:42:39 UTC
From: John Hackett
Topic: 818 Message: 831

Hi Thomas,
Yes, Thomas, I'm sure ... "CQ satellite" ... (from
Wisconsin) ... means the station concerned was specifically aiming at AO-7.

73 John. <la2qaa@...>

832. Re: [eu-amsat] sorry for multi-Email!

Yahoo group: eu-amsat
Date: 2007-08-26 15:10:40 UTC
From: SV1BSX
Topic: 827 Message: 832
Attachments: 1 described; binary payloads are missing from this source WARC

Hi John & Group,

tks but, you can not imagine what happens here ! It's not just a fire on forests, it's a real WAR.
Thousands hectaries are burnt, thousands houses, estates lost. 51 dead peoples till now.

Maybe, a real WAR with guns etc. it's much better compared with this condition.

I don't know what to say... if the "hell" exsist, definitely it's something like that .

Have a look on this satellite image, is taken yesterday... today is much worst. As you can see, the fires are clearly visible (red color) from Satellite !!!!!
The smoke is also visible.....

What can they do peoples, firefighters, airplanes etc against to this fire?
They are now 200 firefaces in South part of Greece, the winds are extremely powerfull, so the fire "eat" forests, mountains, villages in a few hours... just like that.

73, Mak SV1BSX

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, August 26, 2007 14:15
Subject: RE: [eu-amsat] sorry for multi-Email!

> Mak,
> All your mails were blank! ... (no text) ... so I didn't get
> anything.
>
> RGR on the fires ... I imagine you're busy with emergency communications.
> Wishh !!! I was there to help you.
>
> 73 John.
>
>
>
>
>
> Yahoo! Groups Links

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>
>

833. Re: [amsat-bb] Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-26 18:01:39 UTC
From: SV1BSX
Topic: 833 Message: 833

Hi all,

well John, if we want to speak precisely, you are correct.

But, in practice this method including several serious problems.

1)very difficult "confirmation" of correct distance. As you can understand, a QSO between "You and Me"
must be calculated if we "freezing" the Sat tracking program, exactly the time where took place
the QSO. Then, we looking for the distance between LA2QAA-AO7 "plus" AO7-SV1BSX.
If that is possible for me and you (hmm, is it ???), definitely is very difficult for any other people in order to be able
to confirm the distance between LA2QAA <===AO-7====> SV1BSX.

2)Under above quota, your "program" and my "program" must be in absolutely equation in time,
Keplerians etc. Otherwise, even between me and you the difference on distance it will NOT 100% equal.
Can you imagine how funny it should be a scenario where you have calculated xxxxx Km,
and me with a difference distance-value for the same, unique QSO via AO-7 ?

3)Can you imagine how many time will must be spent in order to explain the 1st operator to the 2nd operator that,
it is not correct the (for example) 15.678 Km distance but the 16.034 Km, which he has found the 2nd operator and
is not equal with calculation of 1st one !

I can write several similar difficulties with this method, but I will not.

Thus, with the usual method like the direct (terrestrial) ditance between the 2 locators, the measurement is
quite simple and accurate for all. Just put "yours" and "my" locator into a program, like
TinyLoc, and you have the answer. And it's easy for everyone to confirm easily the distance.
Without errors and complicated calculations.
Even if this is not the best measurement, it has a great advantage:

Helps in order to have all a fair, accurate rule for distance's measurement.
That is very important, I think.

73, Mak SV1BSX

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <eu-amsat@yahoogroups.com>
Cc: <amsat-bb@...>
Sent: Sunday, August 26, 2007 17:37
Subject: [amsat-bb] Re: [eu-amsat] AO-7 Distance Record.

> Hi Gents,
> Well, I'm with Thomas HB9SKA on this one.
>
> For a satellite QSO you need to calculate the distance from the
> transmitter
> to the receiver ... ie, Station A to the satellite concerned ... and from
> the satellite to station B ... then add them together to get the true
> distance the signal travels.
>
> Like Thomas says ... using the locator to locator measurement only gives
> the
> "terrestial" distance.
>
> 73 John. <la2qaa@...>
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

834. Re: [eu-amsat] sorry for multi-Email!

Yahoo group: eu-amsat
Date: 2007-08-26 15:42:42 UTC
From: Thomas Frey
Topic: 827 Message: 834

SV1BSX schrieb:
> Hi John & Group,
>
> tks but, you can not imagine what happens here ! It's not just a fire on
> forests, it's a real WAR.
> Thousands hectaries are burnt, thousands houses, estates lost. 51 dead
> peoples till now.
>
> Maybe, a real WAR with guns etc. it's much better compared with this
> condition.
>
> I don't know what to say... if the "hell" exsist, definitely it's something
> like that .
>
> Have a look on this satellite image, is taken yesterday... today is much
> worst. As you can see, the fires are clearly visible (red color) from
> Satellite !!!!!
> The smoke is also visible.....
>
> What can they do peoples, firefighters, airplanes etc against to this
> fire?
> They are now 200 firefaces in South part of Greece, the winds
> are extremely powerfull, so the fire "eat" forests, mountains, villages
> in a few hours... just like that.
>
> 73, Mak SV1BSX
>
>
>
Hello Mak

We heard it in our local news, you have a national tragedy in your country. I do not know what I can wish you in this situation. Good luck ?

Regards, 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
Packet Radio (AX.25): HB9SKA @ HB9PD.CHE.EU

835. Re: [eu-amsat] Thanks !

Yahoo group: eu-amsat
Date: 2007-08-26 18:17:13 UTC
From: SV1BSX
Topic: 835 Message: 835

Hi Thomas,

thanks, I appreciate that. Yes, we really need a little-bit "Good Luck".

Thanks again.

73, Mak SV1BSX

> Hello Mak
>
> We heard it in our local news, you have a national tragedy in your
> country. I do not know what I can wish you in this situation. Good
> luck ?
>
>
>
> Regards, 73
> Thomas, HB9SKA
> _____
>

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, August 26, 2007 18:42
Subject: Re: [eu-amsat] sorry for multi-Email!

> SV1BSX schrieb:
>> Hi John & Group,
>>
>> tks but, you can not imagine what happens here ! It's not just a fire
>> on
>> forests, it's a real WAR.
>> Thousands hectaries are burnt, thousands houses, estates lost. 51 dead
>> peoples till now.
>>
>> Maybe, a real WAR with guns etc. it's much better compared with this
>> condition.
>>
>> I don't know what to say... if the "hell" exsist, definitely it's
>> something
>> like that .
>>
>> Have a look on this satellite image, is taken yesterday... today is much
>> worst. As you can see, the fires are clearly visible (red color) from
>> Satellite !!!!!

>> The smoke is also visible.....
>>
>> What can they do peoples, firefighters, airplanes etc against to this
>> fire?
>> They are now 200 firefaces in South part of Greece, the winds
>> are extremely powerfull, so the fire "eat" forests, mountains, villages
>> in a few hours... just like that.
>>
>> 73, Mak SV1BSX
>>
>>
>>

836. Records in perspective.

Yahoo group: eu-amsat
Date: 2007-08-26 20:43:43 UTC
From: John Hackett
Topic: 835 Message: 836

Mak,
Under the present circumstances in Greece, AO-7 distance records should be a way down your list of priorities right now.

Be sure !!! that both Thomas and I and the rest of the gang in Amsat-EU are behind you giving you moral support in your emergency communications.

The satellite pictures were really interesting and were undoubtedly a great asset to the authorities.

In the light of future ecological developements we should become more involved regarding amateur satellites and emergency services. The Indians, the Chinese, the Japanese and the Russians are all developing new amateur camera systems ... probably with a view to providing amateur emergency communication assistance. We've all become aware of the flooding and the fires due to the climate changes here in Europe so a few more eyes in the sky would be a boon.

Right now, I'm experimenting with the Russian Molniya satellites on 900Mhz ... (a potential "slot").

My thoughts are with you Mak.

73 John. <la2qaa@...>

837. Re: [amsat-bb] Re: [eu-amsat] AO-7 Distance Record.

Yahoo group: eu-amsat
Date: 2007-08-26 20:48:43 UTC
From: John Hackett
Topic: 833 Message: 837

Well Mak,
Put like that. of course you are correct ... as is Thomas in
his context of the situation.

As the administrator, I think you should make the decision because I'm sure
Thomas, myself and everybody else will be happy to support whatever decision
you make.

73 John. <la2qaa@...>
.....
.....

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: Re: [amsat-bb] Re: [eu-amsat] AO-7 Distance Record.
>Date: Sun, 26 Aug 2007 21:01:39 +0300
>
> Hi all,
>
>well John, if we want to speak precisely, you are correct.
>
> But, in practice this method including several serious problems.
>
>1)very difficult "confirmation" of correct distance. As you can understand,
>a QSO between "You and Me"
>must be calculated if we "freezing" the Sat tracking program, exactly the
>time where took place
>the QSO. Then, we looking for the distance between LA2QAA-AO7 "plus"
>AO7-SV1BSX.
> If that is possible for me and you (hmm, is it ???), definitely is very
>difficult for any other people in order to be able
>to confirm the distance between LA2QAA <===AO-7====> SV1BSX.
>
>2)Under above quota, your "program" and my "program" must be in absolutely
>equation in time,
>Keplerians etc. Otherwise, even between me and you the difference on
>distance it will NOT 100% equal.
>Can you imagine how funny it should be a scenario where you have
>calculated
>xxxxx Km,
>and me with a difference distance-value for the same, unique QSO via AO-7
>?
>
>3)Can you imagine how many time will must be spent in order to explain the
>1st operator to the 2nd operator that,

>it is not correct the (for example) 15.678 Km distance but the 16.034 Km,
>which he has found the 2nd operator and
>is not equal with calculation of 1st one !
>
>I can write several similar difficulties with this method, but I will not.
>
> Thus, with the usual method like the direct (terrestrial) ditance between
>the 2 locators, the measurement is
>quite simple and accurate for all. Just put "yours" and "my" locator into a
>program, like
>TinyLoc, and you have the answer. And it's easy for everyone to confirm
>easily the distance.
>Without errors and complicated calculations.
>Even if this is not the best measurement, it has a great advantage:
>
>Helps in order to have all a fair, accurate rule for distance's
>measurement.
>That is very important, I think.
>
>73, Mak SV1BSX
>
>
>
>----- Original Message -----
>From: "John Hackett" <archie.hackett@...>
>To: <eu-amsat@yahoogroups.com>
>Cc: <amsat-bb@...>
>Sent: Sunday, August 26, 2007 17:37
>Subject: [amsat-bb] Re: [eu-amsat] AO-7 Distance Record.
>
>
> > Hi Gents,
> > Well, I'm with Thomas HB9SKA on this one.
> >
> > For a satellite QSO you need to calculate the distance from the
> > transmitter
> > to the receiver ... ie, Station A to the satellite concerned ... and
>from
> > the satellite to station B ... then add them together to get the true
> > distance the signal travels.
> >
> > Like Thomas says ... using the locator to locator measurement only gives
> > the
> > "terrestial" distance.
> >
> > 73 John. <la2qaa@...>
> >
> >
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the author.

> > Not an AMSAT-NA member? Join now to support the amateur satellite
>program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

838. Re: [amsat-bb] TROPOSHPERIC DUCTING FORECASTS

Yahoo group: eu-amsat
Date: 2007-08-27 18:27:37 UTC
From: Luc Leblanc
Topic: 838 Message: 838

On 27 Aug 2007 at 8:48, Gunther Meisse wrote:on AMSAT-BB

> which also includes information on radionavigation, worldwide broadcast
> station lists, and a collection of "TV DX photos" showing screen shots of
> distant TV signals (as far as 1,000 miles away) received by Mr. Hepburn in
> Grimsby, ON, Canada (located about 50 miles NW of Buffalo, NY).
>
At the time where i was struggling with TVI into my neighbour TV set and stereo system there was period of time where the "unbelievers" accusing me to: interfere, block, disturb their TV pictures even is i was standing in front of them trying to explain the interference on their channel 2 was coming from TV station in Georgia, Carolinas and some as far as Northern Florida.

This period that i called my HF era probably prepare me for my satellite BB flaming era...;)

But it was exciting as i convince my father to install a rotor with a huge multi element TV antenna i remember waiting for our local TV station sign off to be able to get the DX TV stations. My only one reference was a 1974 WRTH issue.

In high solar peak period the summer month was the prime time period and each autumn brings a lot of DX TV activities.

I remember one summer of very high solar episode where our local channel 2 station (Radio-Canada) was completely block by the numerous DX TV signals and this at 50 miles from the transmitter site.

"Join A free forum dedicated to European Amateur Satellite operators. This page is meant to be an open reflector (ie you don't have to be an Amsat member)"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
www.p3e-satellite.org/index.pl?lang=en_EN
WAC BASIC CW PHONE SATELLITE

839. Re: [amsat-bb] Re: ANDE Special Event

Yahoo group: eu-amsat
Date: 2007-08-28 18:00:25 UTC
From: Luc Leblanc
Topic: 839 Message: 839

On 27 Aug 2007 at 17:34, Robert Bruninga wrote:

> Reminder of ANDE Operations Event Tues and Thurs:
>
> We have increased the reporting rates slightly, since ANDE has a
> much smaller footprint than PCSAT-1.
>
> Eastern USA Morning passes:
>
>
I was on the noon pass and nothing has been heard here and unattended
monitoring on the other morning passes does not show any sign of activities.

"-"
"Join A free forum dedicated to European Amateur Satellite operators. This page
is meant to be an open reflector (ie you don't have to be an Amsat member)"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE
www.p3e-satellite.org/index.pl?lang=en_EN

840. FW: Help for Information

Yahoo group: eu-amsat
Date: 2007-08-30 13:20:36 UTC
From: SV1BSX
Topic: 840 Message: 840

----- Original Message -----

From: "Thailand Amateur Radio Satellites Corporate"
<tamsat_gateway@...>
Sent: Thursday, August 30, 2007 15:21
Subject: Help for Information

Dear all Ham every region,

Thailand at the present, the government sector called ?The National Telecommunications Commission or NTC? has opened the public discussion about the Regulation of The National Telecommunications Commission for Amateur Radio Service Buddhist Year 2550. If this regulation announce, it will be subjected to all ham radio in Thailand whether they are Thai citizen or other nation. For the discussion, they would like to have technical documents with the information that can be referenced to propose to NTC within September 7th, 2007. We, Thailand Amateur Radio Satellite Corporate or TAMSAT Group, have found some problems within this regulation as followed:

Section 3.3.1 says that the station of amateur radio for amateur satellite service is allowed to use transceivers that have maximum output power not more than 10 watts and use the directional antenna only
But in the actual operation, the amateur satellite service can be used with the smalles omni antenna such as rubber dack antenna or mobile antenna to communicate. For the example in URL http://rcfo.batcave.net/fo29movil.html, they use only mobile antenna and omni antenna to communicate via FO-29 satellite.

For section 3.3.2 says that if the use of 145.8000-146.0000 MHz uplink radio frequency causes the satellite to transmit downlink radio frequency 435.0000-438.0000 MHz and it will disturb the use of UHF radio frequency that used in Radiolocation Service or Fixed Service or the satellite transmit downlink radio frequency outside of 435.0000-438.0000 MHz, the Amateur Radio Stations have to stop using 145.8000-146.0000 MHz immediately. But, again, in the actual operation, the signal from satellites in UHF frequency between 435.0000-438.0000 MHz is transmitted downlink radio frequency with very low maximum output power. Even we can receive with the small omni antenna with RF amplifier to amplify the received signal, we can receive in short period of time, let?s say not more than 15 minutes only. (LEO satellites) Therefore, it almost impossible that the signal will disturb the use of UHF radio frequency in other services.

For this reason, TAMSAT Group would like to ask for kindly help from Hams that use amateur satellite service around the world. It would be very appreciated if you could send us the information such as technical

documents, still pictures, or video clips of the station of Ham radio for amateur satellite service and also the information about the RF noise disturbance of using UHF radio frequency between 430.0000-440.0000 MHz in Amateur Radio band in every region. TAMSAT Group will use these information to propose to The National Telecommunications Commission of Thailand afterwards. For technical documents detail please reply to e-mail: tamsat_gateway@... Thank you very much in advance for your all kindly help.

Regards All,

Tanan Rangseeprom, HS1JAN
TAMSAT Group

---

841. Re: [eu-amsat] FW: Help for Information

Yahoo group: eu-amsat
Date: 2007-08-30 14:04:34 UTC
From: Thomas Frey
Topic: 840 Message: 841

SV1BSX schrieb:
> ----- Original Message -----
>
> From: "Thailand Amateur Radio Satellites Corporate"
> <tamsat_gateway@...>
> Sent: Thursday, August 30, 2007 15:21
> Subject: Help for Information
>
>
>
> Dear all Ham every region,
>
> Thailand at the present, the government sector called ?The National
> Telecommunications Commission or NTC? has opened the public discussion about
> the Regulation of The National Telecommunications Commission for Amateur
> Radio Service Buddhist Year 2550. If this regulation announce, it will be
> subjected to all ham radio in Thailand whether they are Thai citizen or
> other nation. For the discussion, they would like to have technical
> documents with the information that can be referenced to propose to NTC
> within September 7th, 2007. We, Thailand Amateur Radio Satellite Corporate
> or TAMSAT Group, have found some problems within this regulation as
> followed:
>
> Section 3.3.1 says that the station of amateur radio for amateur satellite
> service is allowed to use transceivers that have maximum output power not
> more than 10 watts and use the directional antenna only
> But in the actual operation, the amateur satellite service can be used with
> the smalles omni antenna such as rubber dack antenna or mobile antenna to
> communicate. For the example in URL http://rcfo.batcave.net/fo29movil.html,
> they use only mobile antenna and omni antenna to communicate via FO-29
> satellite.
>
> For section 3.3.2 says that if the use of 145.8000-146.0000 MHz uplink
> radio frequency causes the satellite to transmit downlink radio frequency
> 435.0000-438.0000 MHz and it will disturb the use of UHF radio frequency
> that used in Radiolocation Service or Fixed Service or the satellite
> transmit downlink radio frequency outside of 435.0000-438.0000 MHz, the
> Amateur Radio Stations have to stop using 145.8000-146.0000 MHz immediately.
> But, again, in the actual operation, the signal from satellites in UHF
> frequency between 435.0000-438.0000 MHz is transmitted downlink radio
> frequency with very low maximum output power. Even we can receive with the
> small omni antenna with RF amplifier to amplify the received signal, we can
> receive in short period of time, let?s say not more than 15 minutes only.
> (LEO satellites) Therefore, it almost impossible that the signal will
> disturb the use of UHF radio frequency in other services.

>
>
> For this reason, TAMSAT Group would like to ask for kindly help from Hams
> that use amateur satellite service around the world. It would be very
> appreciated if you could send us the information such as technical
> documents, still pictures, or video clips of the station of Ham radio for
> amateur satellite service and also the information about the RF noise
> disturbance of using UHF radio frequency between 430.0000-440.0000 MHz in
> Amateur Radio band in every region. TAMSAT Group will use these information
> to propose to The National Telecommunications Commission of Thailand
> afterwards. For technical documents detail please reply to e-mail:
> tamsat_gateway@... Thank you very much in advance for your all
> kindly help.
>
> Regards All,
>
> Tanan Rangseeprom, HS1JAN
> TAMSAT Group
> ----------
>
>
>
>
>
It looks like the Thai authorities do not want any HAM-signals in
their 70cm-band. Is this band used by police and military ? I think
yes. Can we help ? I think no.

Mit freundlichen Gru"ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

842. P3E News Q3 2007

Yahoo group: eu-amsat
Date: 2007-08-30 22:33:39 UTC
From: Thomas Frey
Topic: 842 Message: 842

Startm?glichkeit f?r P3E

Unsere Aktivit?ten hinsichtlich einer Startm?glichkeit f?r P3E haben in
den letzten Wochen einige Fortschritte gebracht, nicht zuletzt auch durch
die Reisediplomatie beim Soyuz Customers Seminar in Russland und bei
Arianespace auf der Pariser Air Show in LeBourget. Zwar wird die erste
Soyuz-Rakete nun erst im M?rz 2009 von Kourou aus starten, daf?r bietet
sich f?r uns eine neue M?glichkeit schon vorher auf einer Ariane 5 zu
fliegen. Auch wenn aus Gr?nden der Vertraulichkeit hier keine Angaben
gemacht werden k?nnen, bedeutet dies, dass wir unsere Aktivit?ten weiter
intensivieren und sp?testens im Oktober 2008 flugbereit sein m?ssen. Auch
in Sachen Startfinanzierung m?ssen wir noch einmal alle Hebel in Bewegung
setzen. F?r Sp?teinsteiger gibt es noch die Chance, sich an AMSAT-P3E zu
beteiligen!

Peter G?lzow, DB2OS, 1. Vorsitzender AMSAT-DL

Starting possibility for P3E

Our activities regarding a starting possibility for P3E brought in the
last weeks some progress, not least also by the travel diplomacy with the
Soyuz Customers seminar in Russia and with Arianespace on Paris air show
in LeBourget. The first Soyuz rocket will start now in March 2009 from
Kourou, for it is offered for us on a Ariane 5 to fly already before.
Even if for reasons of the privacy no data can be given here, this means
that we continue to intensify our activities and at the latest in October
2008 be ready for flight must. Also in things starting financing we must
set again all levers in motion. For laterisers there is still the chance
to take part in AMSAT-P3E!

Peter Guelzow, DB2OS, 1. Chairman AMSAT DL

Zur Erinnerung: Pixelaktion geht weiter!

Noch immer hat die Pixelaktion zur finanziellen Unterst?tzung des
P3E-Projekts ihr Ziel nicht erreicht. Wenn sich bei der Spendenbereitschaft
f?r P3E unter den Funkamateuren, die Nutzniesser des neuen Satelliten
sein werden, in den n?chsten Wochen und Monaten nichts zum Positiven tut,
k?nnen Integration und Test des Satelliten ins Stocken geraten. Dabei
k?nnte es sogar passieren, dass m?glicherweise eine g?nstige
Startgelegenheit
verpasst wird, weil P3E nicht rechtzeitig fertig geworden ist.

Wir rechnen mit Ihrer Beteiligung an der Pixelaktion:
http://www.p3e-satellite.org/

To the memory: Pixel action continues!

Still the pixel action did not achieve its goal for the financial support of the P3E-project. If with the donation readiness for P3E among the radio amateurs, who will be beneficiaries of the new satellite, in the next weeks and months nothing does to positives, integration and test of the satellite can coming to a hold turn out. It could even happen that a favorable starting opportunity is possibly missed, because P3E did not become in time finished.

We count on your participation in the pixel action:
http://www.p3e-satellite.org/index.pl?lang=en_EN

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

843. A dog's left bollock.

Yahoo group: eu-amsat
Date: 2007-08-31 08:48:29 UTC
From: John Hackett
Topic: 843 Message: 843

Hello Al,
Well I'll be a dog's left bollock.

There I was "messing" with an audio oscillator with the IC-E91 sitting beside me (horzontally) on the sofa ... rubber ducky antenna n' all ...

Suddenly, as clear as a bell ... an English voice ... "you're 59" ... (I jumped out of my skin wondering what the 'L' an Englishman (locally) would be doing saying ... "you're 59".

I looked at the frequency ... no, it couldn't be ... but it was ... 145.920 .... AO-51.

For me to pick it up in a basement flat through my ceiling and my neighbour's roof on a 20cm long rubber duck can only mean that somebody was using *POWER* with a capital *P*.

No WONDER !!! people are complaining about the deterioration in the standard of operating ...
(and we all know who's to blame for that).

(Power to the people? ..... bollox !).

73 John. <la2qaa@...>

844. Re: [eu-amsat] FW: Help for Information

Yahoo group: eu-amsat
Date: 2007-08-31 09:00:39 UTC
From: John Hackett
Topic: 840 Message: 844

Darling,
Just thought I'd show you this letter from the Amsat group in
Thailand.

I love you.

John.
.....
.....

> Thailand at the present, the government sector called ?The National
>Telecommunications Commission or NTC? has opened the public discussion
>about the Regulation of The National Telecommunications Commission for
>Amateur Radio Service Buddhist Year 2550. If this regulation announce, it
>will be subjected to all ham radio in Thailand whether they are Thai
>citizen or other nation. For the discussion, they would like to have
>technical documents with the information that can be referenced to propose
>to NTC within September 7th, 2007. We, Thailand Amateur Radio Satellite
>Corporate or TAMSAT Group, have found some problems within this regulation
>as followed:
>
> Section 3.3.1 says that the station of amateur radio for amateur
>satellite service is allowed to use transceivers that have maximum output
>power not more than 10 watts and use the directional antenna only
> But in the actual operation, the amateur satellite service can be used
>with the smalles omni antenna such as rubber dack antenna or mobile antenna
>to communicate. For the example in URL
>http://rcfo.batcave.net/fo29movil.html, they use only mobile antenna and
>omni antenna to communicate via FO-29 satellite.
>
> For section 3.3.2 says that if the use of 145.8000-146.0000 MHz uplink
>radio frequency causes the satellite to transmit downlink radio frequency
>435.0000-438.0000 MHz and it will disturb the use of UHF radio frequency
>that used in Radiolocation Service or Fixed Service or the satellite
>transmit downlink radio frequency outside of 435.0000-438.0000 MHz, the
>Amateur Radio Stations have to stop using 145.8000-146.0000 MHz
>immediately. But, again, in the actual operation, the signal from
>satellites in UHF frequency between 435.0000-438.0000 MHz is transmitted
>downlink radio frequency with very low maximum output power. Even we can
>receive with the small omni antenna with RF amplifier to amplify the
>received signal, we can receive in short period of time, let?s say not more
>than 15 minutes only. (LEO satellites) Therefore, it almost impossible that
>the signal will disturb the use of UHF radio frequency in other services.
>
>
> For this reason, TAMSAT Group would like to ask for kindly help from Hams

>that use amateur satellite service around the world. It would be very
>appreciated if you could send us the information such as technical
>documents, still pictures, or video clips of the station of Ham radio for
>amateur satellite service and also the information about the RF noise
>disturbance of using UHF radio frequency between 430.0000-440.0000 MHz in
>Amateur Radio band in every region. TAMSAT Group will use these
>information to propose to The National Telecommunications Commission of
>Thailand afterwards. For technical documents detail please reply to e-mail:
>tamsat_gateway@... Thank you very much in advance for your all
>kindly help.
>
> Regards
>
> Tanan Rangseeprom, HS1JAN
> TAMSAT Group

845. According to the King.

Yahoo group: eu-amsat
Date: 2007-08-31 09:29:20 UTC
From: John Hackett
Topic: 845 Message: 845

For the AO-7 afficiondos.

Please peruse the following link ... <http://observations.biz/AO7_Paper/>
... it should serve to clear up any misunderstandings regarding any comments
I have made in the past re: AO-7.

Thanks to GM1SXX for the donkey work ... (By yon bonny banks and by yon
bonnie 'brays') ??.

73 John. <la2qaa@...>

846. On second thoughts.

Yahoo group: eu-amsat
Date: 2007-08-31 09:37:23 UTC
From: John Hackett
Topic: 846 Message: 846

Re: my earlier comment on *POWER* and AO-51.

On second thoughts, what I heard would of course have been the DOWNLINK !!!
from the satellite.

Pardon me for being stupid !!!.

Apologies also for posting a mail to my girlfriend on this reflector.

Not only is an operation scheduled on the 10th of September for my main
artery from my heart ...
(3rd time lucky?) ... maybe they should have a look at the addled brain !!!
as well.

73 John. <la2qaa@...>

847. Gobsmacked !!!.

Yahoo group: eu-amsat
Date: 2007-08-31 17:32:00 UTC
From: John Hackett
Topic: 847 Message: 847

Hello Al,
Obviously, you won't believe this but I can assure you, I'm
NOT lying.

I got hold of an ARROW aerial today and I ain't kidding ... to my surprise
and amazement! they are PRESCISION items. I wasn't expecting this.

I was expecting El: Cheapo alumininium with el cheapo elements like your
average TV aerial. Not so ...
real !!!! 'arras (arrows) ... each one tipped witha rubber end, each one
with an embedded stainless steel bolt that goes through the boom to bolt
into the other half with 'proper' threaded rod.

The workmanship is excellent, the packaging is excellent and the
'instuctions' are excellent. No wonder! they offer a 100% no hassle
guarantee.

Be rather interesting to do some RF testing with it ... (there's a 10w
diplexer in the handle).

Can't wait !!! to try this on AO-7.

It really does break down to a 50 cubits x 9 cubits long package ... (if we
pretend cubits are cm).

Yea, tho' he pointed his aerial to the sky and was sorely amazed ... and he
saw that it was good.

73 John.

848. Note to users?

Yahoo group: eu-amsat
Date: 2007-09-01 04:10:13 UTC
From: Luc Leblanc
Topic: 848 Message: 848

The following note appear on AO-51 schedule page:

http://www.amsat.org/amsat-new/echo/ControlTeam.php

"Sorry,the AO-51 Control Team has not published a schedule for September, 2007"

??:(

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

849. Tuning up.

Yahoo group: eu-amsat
Date: 2007-09-01 09:41:20 UTC
From: John Alan Hackett.
Topic: 849 Message: 849

Sir !!!,
(you know who you are)... it really is *NOT* necessary to tune
up on the top of us when you want to work the new station.

If you8 *MUST* tune up on the air, kindly move a few Kc/s away from
the frequency we're receiving on ... and while you're at it, have a
look at Wikipedia ... just type in the words FULL DUPLEX.

Thank you.

73 John. <la2qaa@...>

850. Re: [amsat-bb] AO7 info

Yahoo group: eu-amsat
Date: 2007-09-02 06:41:46 UTC
From: SV1BSX
Topic: 850 Message: 850

Hello all,

descending orbit #59078 over W.Asia (06.20 Z), AO-7 was again in Mode-A.
My downlink signal extremely good, peaking S9 .
Nobody answered to my CQ CW (but someone was tuning around 29450
for a while).

73, Mak SV1BSX

----- Original Message -----
From: <k3szh@...>
To: <amsat-bb@...>
Sent: Sunday, September 02, 2007 05:20
Subject: [amsat-bb] AO7 info

> Hi all
> At 1:56 utc AO7 was in mode "A" my signal was 5/8 to S9 ,just heads up.
> Joe
> K3SZH
> AMSAT 3788
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

851. Mode-A

Yahoo group: eu-amsat
Date: 2007-09-02 08:31:15 UTC
From: John Hackett
Topic: 851 Message: 851

Hi All,
I confirm AO-7 was in mode-A on orbit 50087 today, Sunday 02-09-07.

The two stations eagerly waiting in the wings to jump out and say ... 'I told you so' ... relax !, I've got it ... ONE OF LA2QAA's EARLIER ASSUMTIONS WAS WRONG ... an actual human error no less.

Signals this morning were "weak & watery" ... (I heard nobody else in the passband).

It will be interesting to see if the activity is almost zero in mode-A vis-a-vis mode-B as it has been on previous occasions.

After the "referendum" ... (G1WPR and K3SZH and one other station took the trouble to reply) ...
the AO-7 log will remain unchanged. Like the other station said, everybody can see who fills out the log incorrectly.

73 John. <la2qaa@...>

852. RE: AO-7

Yahoo group: eu-amsat
Date: 2007-09-02 08:58:59 UTC
From: John Hackett
Topic: 101 Message: 852

Mak,
We're on the same page ... those were EXACTLY my thoughts too.

I'm fully expecting "you know who" to jump in later today and say ... I TOLD YOU SO ... but until I posted my mails from Jan King last week, those two individuals didn't have all the facts ... and probably believed the information in the 1974 Amsat newsletter ... (which as we now know, was NOT correct).

Like you say, it will be VERY interesting to see what happens regarding AO-7 modes in the next few days.

I hope you don't mind me posting your comments on the Amsat-bb ... I believe your observation is VERY important in understanding the randomness of the switching circuitry.

GM1SXX and I have another theory but it's a bit too soon to get flamed! for this, we need to wait until after Christmas to make it an even 4 years.

NB.

Both GM1SXX and myself have ALWAYS maintained that there is some !!! battery power ... but not enough to operate the transponders ... we collected VALID data in 2005/6 ... that would explain your observation Mak.

I'll rope Joe in ... (kicking and screaming!) ... so that we have monitors in K3, LA and SV so we can see how things progress.

I checked with QRZ.COM before publishing your e-mail address.

73 John. <la2qaa@...>

.....
.....

>From: "SV1BSX" <sv1bsx@...>
>To: <la2qaa@...>
>Subject: AO-7
>Date: Sun, 2 Sep 2007 11:38:48 +0300
>
> Good morning John,
>
> well I am wake from early morning today and I noticed that (after K3SZH
>Email) AO-7 is in Mode-A,
>almost permantly for the last 4 orbits (#50076-9).
>
> I'm not 100% sure about 50077 orbit, I missed that, but the last 2
>(#50078 & 9) is glued to Mode-A.

>Unusual because as I was looking just now on NOVA, between 07:21 - 07:24
>UTC AO-7 was into a short eclipse period,
>without any changing in Mode.
>
> He he.... it should be funny to stay for a couple of days "glued" to
>Mode-A.
>
>Have a nice Sunday
>
>73, Mak

853. Re: doppler.

Yahoo group: eu-amsat
Date: 2007-09-02 11:16:17 UTC
From: John Hackett
Topic: 853 Message: 853
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,
Re: doppler. I've attached K4GMJ's article from the August 1992 issue of Oscar News. It may be of interest to those, like me, who still use old equipment.

In addition to Maury's notes, I can mention, I have used an NE 567 tone decoder IC and a LED as the visual receiver with a simple twin-T audio oscillator for the transmitted signal.
A simple twin-T osc: is better than an NE555 in this application.

I still operate with the Yaesu 290/790 pair + associated homebrew aerials and amps (over 20 years now) and manage quite nicely on VO-52 with InstantTUNE. When set up correctly, the signals track perfectly so even with "old" equipment it's still possible to adhere to THE ONE TRUE RULE regarding doppler.

I don't tune at all for doppler on AO-7.

Occasionally, just for fun, I tune manually ... (transmitter and receiver) .... to keep the frequency constant at the satellite, however ... be aware .... it is *NOT* mandatory to keep the signal fixed at the satellite. Many operators still use the manual convention of tuning the highest frequency .... (because it has the highest doppler rate).

This is perfectly acceptable because not everybody is either 1) affluent enough to be able to afford the latest all singing, all dancing multimode rig ... or 2) not experienced enough to cope with doppler on the uplink and the downlink at the same time.

73 John. <la2qaa@...>

854. Re: [eu-amsat] Re: doppler.

Yahoo group: eu-amsat
Date: 2007-09-02 13:45:34 UTC
From: Thomas Frey
Topic: 853 Message: 854

John Hackett schrieb:
> Hi All,
> Re: doppler. I've attached K4GMJ's article from the August 1992
> issue of Oscar News. It may be of interest to those, like me, who still use
> old equipment.
>
Hello John and group

I remember me the old and lucky AO-10 and AO-13 days. I had a frequency list of both satellites with corresponding downlink and uplink frequency on one row. If I heard a station on the transponder I know the rough uplink-QRG. For doppler correction I had to send in CW with my Kenwood TS-711E and tune to zero beat. But 1 kHz higher, not on the "QSO QRG" to not disturb the running QSO. Then I had to tune on the "QSO QRG" again and could call the station after he has finished his QSO. This long procedures and nice chats were only possible on a HEO-satellite and not on the LEO's today.

In your article the sentence not to send in CW for zero-beat-tuning is wrong. You can send in CW.

NB: My Kenwood TS-711E and TS-811E are both in operation today. The TS-711E is modified for CAT, 9600 bps Packet and soundcard-CTCSS for SO-50.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

855. Slight correction.

Yahoo group: eu-amsat
Date: 2007-09-02 15:34:26 UTC
From: John Hackett
Topic: 853 Message: 855

Thomas,
A slight correction ... the article re: CW was K4IMJ's not mine.

I've been a "CW man" for 44 years hi.

I still !!!! use corresponding frequency lists ... very useful for "fast"
tuning from one end of the band to the other.

73 John.
.....
.....

>From: Thomas Frey <th.frey@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: eu-amsat@yahoogroups.com
>Subject: Re: [eu-amsat] Re: doppler.
>Date: Sun, 02 Sep 2007 15:45:34 +0200
>
>John Hackett schrieb:
> > Hi All,
> > Re: doppler. I've attached K4GMJ's article from the August 1992
> > issue of Oscar News. It may be of interest to those, like me, who still
>use
> > old equipment.
> >
>Hello John and group
>
>I remember me the old and lucky AO-10 and AO-13 days. I had a
>frequency list of both satellites with corresponding downlink and
>uplink frequency on one row. If I heard a station on the transponder
>I know the rough uplink-QRG. For doppler correction I had to send
>in CW with my Kenwood TS-711E and tune to zero beat. But 1 kHz higher,
>not on the "QSO QRG" to not disturb the running QSO. Then I had to
>tune on the "QSO QRG" again and could call the station after he has
>finished his QSO. This long procedures and nice chats were only possible
>on a HEO-satellite and not on the LEO's today.
>
>In your article the sentence not to send in CW for zero-beat-tuning is
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>NB: My Kenwood TS-711E and TS-811E are both in operation today. The
>TS-711E is modified for CAT, 9600 bps Packet and soundcard-CTCSS for
>SO-50.
>
>
>

>Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
>_____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

856. AO-51 September schedule

Yahoo group: eu-amsat
Date: 2007-09-03 03:07:23 UTC
From: Andrew Glasbrenner
Topic: 856 Message: 856

Hello all,
I posted the new schedule to http://www.amsat.org/amsat-new/echo/CTNews.php Saturday morning. I apologize for it not being uploaded earlier. Thanks to the AO-51 committee for another great balance of modes this schedule.

Now for some notes on the satellite. We are currently running 370 mW on TXA (435.150) and 630 mW on TXB (435.300). Power levels will continue to increase as eclipses get shorter, leading up to 10 weeks of continuous sun early next year. These are going to be interesting times. Keep in mind that anytime we have something other than telemetry running on TXA (i.e. L/U repeater), we may have to interrupt it occasionally for telemetry and satellite maintenance. Our lead command station, Gould WA4SXM, has been doing an outstanding job of squeezing every last drop of power for the downlinks.

Enjoy the satellite, and remember it's never too early to submit your mode requests for October to ao51-modes@... .

73, Drew KO4MA
AMSAT-NA VP Ops

September 2007 AO-51 (AMSAT Echo) Schedule

September 1 until September 30, subject to modification

September 1 - September 10

FM Repeater, V/U
Uplink: 145.920 MHz FM, No PL Tone
Downlink: 435.300 MHz FM

9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

September 10 - September 14

FM Repeater, L/S
Uplink: 1268.700 MHz FM, No PL Tone
Downlink: 2401.200 MHz FM

September 14 - September 17

FM Repeater, V/U
Uplink: 145.920 MHz FM, No PL Tone
Downlink: 435.300 MHz FM

9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

September 17 - September 21

SSB/FM Repeater, V/U
Uplink: 145.880 MHz USB
Downlink: 435.300 MHz FM

9k6 Digital, V/U, Telemetry Only
Downlink: 435.150 MHz FM, 9k6 Telemetry

September 21 - October 1

FM Repeater, V/U
Uplink: 145.920 MHz FM, No PL Tone
Downlink: 435.300 MHz FM

FM Repeater, L/U (subject to interuption for satellite maintenance)
Uplink: 1268.700 MHz FM, No PL Tone
Downlink: 435.150 MHz FM

857. Re: [eu-amsat] AO-51 September schedule

Yahoo group: eu-amsat
Date: 2007-09-03 09:13:23 UTC
From: Thomas Frey
Topic: 856 Message: 857

Andrew Glasbrenner schrieb:
> Hello all,
> I posted the new schedule to http://www.amsat.org/amsat-new/echo/CTNews.php
> Saturday morning. I apologize for it not being uploaded earlier. Thanks to
> the AO-51 committee for another great balance of modes this schedule.
>
> Now for some notes on the satellite. We are currently running 370 mW on TXA
> (435.150) and 630 mW on TXB (435.300). Power levels will continue to
> increase as eclipses get shorter, leading up to 10 weeks of continuous sun
> early next year. These are going to be interesting times. Keep in mind that
> anytime we have something other than telemetry running on TXA (i.e. L/U
> repeater), we may have to interrupt it occasionally for telemetry and
> satellite maintenance. Our lead command station, Gould WA4SXM, has been
> doing an outstanding job of squeezing every last drop of power for the
> downlinks.
>
> Enjoy the satellite, and remember it's never too early to submit your mode
> requests for October to ao51-modes@... .
>
> 73, Drew KO4MA
> AMSAT-NA VP Ops
>
>
Hello Drew,

Thanks for the schedule. Now I have questions about AO-51. Your team
has to look always for power budget and output power. If you look
at the early description of Echo,
http://www.amsat.org/amsat-new/articles/echo_ops/pages/echo2.php,
AO-51 would be a "muscle-satellite" with a programmable torquer for
sunlight and 7 watt output power. I have never heard something about
the torquer after the launch. Is it running or not ? Can you explain
us, why AO-51 is not a "muscle-satellite" ?

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

858. RE: New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-09-03 09:48:07 UTC
From: John Hackett
Topic: 858 Message: 858

Hi All,
I can thoroughly recommend the Arrow satellite antenna, I have one.
I recommend you purchase from Tim at <sales@...>. The
service is excellent.

I have no association with the above comnpany other than as a satisfied
customer.

73 John <la2qaa@...>

859. AO-7 POWER-mongers.

Yahoo group: eu-amsat
Date: 2007-09-03 11:08:56 UTC
From: John Hackett
Topic: 859 Message: 859

Hi All,

Snipped from Dave's WB6LLO post re: power-mongers on AO-7.

>BUT.....some dork running tons of power managed to overpower us at every
>attempt...deliberately??? or otherwise...
>First time I've had that happen in over 27 years of satellite
>operation...where do these guys come from??

We really do need to nip these guys in the .... err ... (bud) ... and teach them it's *NOT* like AO-51 where the "mine's bigger than yours" mentality prevails ... (he means FM "capture effect, folks).

There are recommended operating proceedure notes on the AO-7 Resource Page, lets encourage the potential newcomers to linear transponders to *READ* them.

25 watts *EIRP* is more than enough to work AO-7 ... PROVIDED ONE USES AN AERIAL and has a pair of those wierd things attached to the side of your head ... (ears) !!!.

To the "unsure" ... pleeeeeeeeeeeeeeeese read this ...

<http://www.observations.biz/Observations_from_Norway/howmuchpowerisenough.htm>

73 John. <la2qaa@...>

860. Predicting AO-7's schedule.

Yahoo group: eu-amsat
Date: 2007-09-04 07:43:39 UTC
From: John Hackett
Topic: 860 Message: 860

Hi All,
It is difficult to predict or assertain the current operating
schedule for AO-7.

On orbit 50109 AO-7 changed from mode-B to mode-A as confirmed by K3SZH
working W8IJ ...
(in mode A) ...

One would expect the satellite to stay in one particular mode for 24 hours
.... (like yesterday)... but AJ9K logged mode-B at 02:00, as did RW3XL on
orbit 50110 ... before W7LRD logged the transponderr as OFF on orbit 50111.

Be aware that 'some' stations log the transponder as off either because they
are not too careful with the log entries ... or ... the transponder is in
fact on in mode C but they can't hear it.

Two things are certain ... 1) The transponder is *NOT* behaving as one could
expect.

My observations are also verified by SV1BSX "further down the line" ...
(later in the pass).

2) We need to observe the changes over many days to get some idea of
predictability.

73 John. <la2qaa@...>

861. AO-7 report 4th Sept:

Yahoo group: eu-amsat
Date: 2007-09-04 08:22:02 UTC
From: John Hackett
Topic: 861 Message: 861

Hi All,
At 07:56 on orbit 50112 AO-7 was DEFINATELY in mode-A. The downlink was fluttering but this time it wasn't due to alligators. There was no-one else in the passband for the first 10 minutes of the pass over Europe.

I lost the satellite behind the moutains at 85 degrees Az from QTH ... (this is where SV1BSX usually takes over).

Presumably, the mode change occured sometime between 01:45 and 01:55 like the day before yesterday ... and that both the OFF and the B entry in the log for this morning are incorrect ...
(see my previous mail) ... it is unlikely that the mode changed twice !!! within 1 hour ... though it *is* theoretically possible under certain circumstances.

Again ... we need to monotor over time to get a fairly reasonable idea of current transponder switching.

PLEASE !! do ensure the information you enter in the log is correct ... thank you, it is appreciated.

73 John. <la2qaa@...>

862. radio amateur satellites

Yahoo group: eu-amsat
Date: 2007-09-04 10:22:57 UTC
From: iz2hdn
Topic: 862 Message: 862

```
good morning,
i am moving my first steps into this new matter.
Any siggestion for:
1.antennas
2.rotator snd PC interface?
Tnx
73 from IZ2 HDN Massimo
```

863. Re: [eu-amsat] radio amateur satellites

Yahoo group: eu-amsat
Date: 2007-09-04 10:49:17 UTC
From: SV1BSX
Topic: 862 Message: 863

Hello Massimo,

and welcome to the "Club" !

I'm also like you, for a long-long time fan of HF, but the last few years
fan of Satellites. It's a GREAT part of our hobby, even if this period
is not too much "Power" without a HEO.

Are you looking for commercial gear or homebrew?

73, Mak SV1BSX

----- Original Message -----
From: "iz2hdn" <iz2hdn@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, September 04, 2007 13:22
Subject: [eu-amsat] radio amateur satellites

> good morning,
> i am moving my first steps into this new matter.
> Any siggestion for:
> 1.antennas
> 2.rotator snd PC interface?
> Tnx
> 73 from IZ2 HDN Massimo
>
>
>
>
> Yahoo! Groups Links
>
>
>

864. Now you see it, now you don't ... the sun, that is.

Yahoo group: eu-amsat
Date: 2007-09-04 10:52:55 UTC
From: John Hackett
Topic: 864 Message: 864

To whom it may concern,
Please be aware that the NOVA eclipse
predictions DO NOT always agree with other eclipse prediction software. This
can account for certain discrepancies.

The "trick" is to use 3 different programs and pick the "averages".

73 John. <la2qaa@...>

865. FO-29 schedule 5-20 Sep

Yahoo group: eu-amsat
Date: 2007-09-04 13:55:48 UTC
From: SV1BSX
Topic: 865 Message: 865

```
FO-29 sched 5-20 Sep

DATE || QRV1 UTC | QRV2 UTC
==========================
Sep 5 || 03:35 | 05:21
--------------------------------------
Sep 8 || 04:20 | 06:10
--------------------------------------
Sep 9 || 03:27 | 05:12
--------------------------------------
Sep11 || 03:25 | 05:07
--------------------------------------
Sep12 || 04:12 | 06:00
--------------------------------------
Sep13 || 03:20 | 05:03
--------------------------------------
Sep14 || 04:07 |
--------------------------------------
Sep15 || 03:15 | 04:58
--------------------------------------
Sep16 || 04:05 | 05:50
--------------------------------------
Sep17 || 03:10 | 04:55
--------------------------------------
Sep19 || 03:05 | 04:50
--------------------------------------
Sep20 || 03:55 | 05:40
--------------------------------------
```

866. AO-7/Mode-A

Yahoo group: eu-amsat
Date: 2007-09-04 18:25:48 UTC
From: SV1BSX
Topic: 866 Message: 866

Hello all,

just I wondering why the Europeans are not active in Mode-A.

Mode-A at my opinion is easier than Mode-B, you need just a VHF and
your HF gear. The downlink is also easier as the Doppler-shift is minimal
and the downlink signal stronger enough, even if the fading its a bit harder.

Try the Mode-A, PLEASE. Most times the "Grand Old Lady" is lonely over Europe.

That is no good. So, a "rendezvous" with "Old Lady"/A is waiting !

Always we must be Gentlemans with "Old Ladies" !

73, Mak SV1BSX

867. The USA 7, Europe 0.

Yahoo group: eu-amsat
Date: 2007-09-04 21:25:00 UTC
From: John Hackett
Topic: 866 Message: 867

Gentlemen,
I see I'm not the only one who noticed ... (well done
SV1BSX) ... AO-7, on the 4th of September ... of the 4 European stations ...
(myself included) ... calling, NOBODY managed to raise anyone, while all 6
American stations ... (and 1 Japanese) ... all managed QSO's in mode-A.

Bone idle? ... too easy? ... forgotten how to switch on an HF receiver? ...

OK, it's not a competition but there must be a reason for the continental
difference ... 'theories' may be written on the back of a $100 ... (or Euro)
.... note and sent to La2qaa.

NB.

I am *NOT* soliciting, the last sentence was 'tongue-in-cheek' ... if you
absolutely must !!! get rid
of some cash ... donate it to Amsat.

73 John. <la2qaa@...>

100What's the explanation?.

stations

>From: "SV1BSX" <sv1bsx@...>
>Reply-To: eu-amsat@yahoogroups.com
>To: <eu-amsat@yahoogroups.com>
>Subject: [eu-amsat] AO-7/Mode-A
>Date: Tue, 4 Sep 2007 21:25:48 +0300
>
> Hello all,
>
>just I wondering why the Europeans are not active in Mode-A.
>
>Mode-A at my opinion is easier than Mode-B, you need just a VHF and
>your HF gear. The downlink is also easier as the Doppler-shift is minimal
>and the downlink signal stronger enough, even if the fading its a bit
>harder.
>
> Try the Mode-A, PLEASE. Most times the "Grand Old Lady" is lonely over
>Europe.
>
>That is no good. So, a "rendezvous" with "Old Lady"/A is waiting !
>
>Always we must be Gentlemans with "Old Ladies" !
>
>

>73, Mak SV1BSX

868. FW: [amsat-bb] The USA 7, Europe 0.

Yahoo group: eu-amsat
Date: 2007-09-05 08:28:33 UTC
From: John Hackett
Topic: 868 Message: 868

> From: rogerkola@...
> To: la2qaa@...; eu-amsat@yahoogroups.com
> CC: amsat-bb@...
> Subject: Re: [amsat-bb] The USA 7, Europe 0.
> Date: Tue, 4 Sep 2007 20:21:44 -0400
>
> I didn't look myself but could it be ascending vs descending passes
> providing better orientation of the solar panels toward the sun? Like I
> said...I didn't check this as work (that pays for radios) is taking up much
> of my time.
>
> Roger
> WA1KAT
>
> ----- Original Message -----
> From: "John Hackett" <archie.hackett@hotmail.com>
> To: <eu-amsat@yahoogroups.com>
> Cc: <amsat-bb@...>
> Sent: Tuesday, September 04, 2007 5:25 PM
> Subject: [amsat-bb] The USA 7, Europe 0.
>
>
> > Gentlemen,
> > I see I'm not the only one who noticed ... (well done
> > SV1BSX) ... AO-7, on the 4th of September ... of the 4 European stations
> ...
> > (myself included) ... calling, NOBODY managed to raise anyone, while all 6
> > American stations ... (and 1 Japanese) ... all managed QSO's in mode-A.
> >
> > Bone idle? ... too easy? ... forgotten how to switch on an HF receiver?
> ...
> >
> > OK, it's not a competition but there must be a reason for the continental
> > difference ... 'theories' may be written on the back of a $100 ... (or
> Euro)
> > .... note and sent to La2qaa.
> >
> > NB.
> >
> > I am *NOT* soliciting, the last sentence was 'tongue-in-cheek' ... if you
> > absolutely must !!! get rid
> > of some cash ... donate it to Amsat.
> >
> > 73 John. <la2qaa@amsat.org>
> >

> >
> >
> >
> >
> >
> >
> >
> > 100What's the explanation?.
> >
> >
> > stations
> >
> >
> > >From: "SV1BSX" <sv1bsx@...>
> > >Reply-To: eu-amsat@yahoogroups.com
> > >To: <eu-amsat@yahoogroups.com>
> > >Subject: [eu-amsat] AO-7/Mode-A
> > >Date: Tue, 4 Sep 2007 21:25:48 +0300
> > >
> > > Hello all,
> > >
> > >just I wondering why the Europeans are not active in Mode-A.
> > >
> > >Mode-A at my opinion is easier than Mode-B, you need just a VHF and
> > >your HF gear. The downlink is also easier as the Doppler-shift is
> minimal
> > >and the downlink signal stronger enough, even if the fading its a bit
> > >harder.
> > >
> > > Try the Mode-A, PLEASE. Most times the "Grand Old Lady" is lonely
> over
> > >Europe.
> > >
> > >That is no good. So, a "rendezvous" with "Old Lady"/A is waiting !
> > >
> > >Always we must be Gentlemans with "Old Ladies" !
> > >
> > >
> > >73, Mak SV1BSX
> >
> >
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
>

869. Ao-7's mood (mode) changes.

Yahoo group: eu-amsat
Date: 2007-09-05 08:40:40 UTC
From: John Hackett
Topic: 869 Message: 869

Aj9K has confirmed that AO-7 was !!! in mode B at 02:00 on the 4th of September on orbit 50109.

This is extreemly interesting since K3SZH worked the satellite just prior to 02:00 on the same orbit (50109) in mode-A while myself and SV1BSX confirm it was in mode-A again on orbit 50111.

The satellite does appear to change mode on or around 02:00 in this particular period but this is the first time ... (to my knowledge and assuming the reports *ARE* correct) ... that it has changed mode twice on the same orbit.

Suffice to say, it *IS* being monitored.

73 John. <la2qaa@...>

870. Re: radio amateur satellites

Yahoo group: eu-amsat
Date: 2007-09-05 10:35:52 UTC
From: iz2hdn
Topic: 862 Message: 870

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello Massimo,
>
> and welcome to the "Club" !
>
> I'm also like you, for a long-long time fan of HF, but the last few
years
> fan of Satellites. It's a GREAT part of our hobby, even if this
period
> is not too much "Power" without a HEO.
>
> Are you looking for commercial gear or homebrew?
>
> 73, Mak SV1BSX
>
> ----- Original Message -----
> From: "iz2hdn" <iz2hdn@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Tuesday, September 04, 2007 13:22
> Subject: [eu-amsat] radio amateur satellites
>
>
> > good morning,
> > i am moving my first steps into this new matter.
> > Any siggestion for:
> > 1.antennas
> > 2.rotator snd PC interface?
> > Tnx
> > 73 from IZ2 HDN Massimo
> >
> > dear Mark,
thanks for your reply.I am actually looking for commercial solutions
as in this moment i have not so much free time.Once all is working
then i will use my ...ham attitude...to make experiments.
Best '73
Massimo IZ2 HDN
> >
> >
> > Yahoo! Groups Links
> >
> >
> >
>

871. AO-7 modes use an INVERTING transponder.

Yahoo group: eu-amsat
Date: 2007-09-05 11:05:39 UTC
From: John Hackett
Topic: 871 Message: 871

While it is not MANDATORY to use LSB on the UPLINK of AO-7 it is a CONVENTION ... (there are two very good reasons for this) ... so the gentleman using USB on the uplink on AO-7's orbit 50126 was making quite a mess of two other QSO's.

Please note that AO-7 has an INVERTING transponder and the convention is LSB UP to give USB down.

Two reasons are ... 1) helping to alleviate the doppler effect by the self cancellation method ... an 2) causing less QRM to terrestial users.

Also ... PLEASE !!!!! QRP.

73 John.

872. Re: [eu-amsat] AO-7 modes use an INVERTING transponder.

Yahoo group: eu-amsat
Date: 2007-09-05 11:48:28 UTC
From: Thomas Frey
Topic: 871 Message: 872

John Hackett schrieb:
> While it is not MANDATORY to use LSB on the UPLINK of AO-7 it is a
> CONVENTION ... (there are two very good reasons for this) ... so the
> gentleman using USB on the uplink on AO-7's orbit 50126 was making
> quite a mess of two other QSO's.
>
> Please note that AO-7 has an INVERTING transponder and the convention
> is LSB UP to give USB down.
>
>
> Two reasons are ... 1) helping to alleviate the doppler effect by the
> self cancellation method ... an 2) causing less QRM to terrestial users.
>
> Also ... PLEASE !!!!! QRP.
>
> 73 John.
>
Dear John

Makes this noise about QRP around AO-7 any sense ? Fact is, AO-7
listens on the wrong frequency at 432 MHz. Are the Gentlemen who
sends in USB really satellite-OPs ? Or are there 70cm-DXer ?

Please do not understand me wrong, I'm also a satellite user,
but I look over the whole situation.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

873. RE: [eu-amsat] AO-7 modes use an INVERTING transponder.

Yahoo group: eu-amsat
Date: 2007-09-05 15:30:25 UTC
From: John Hackett
Topic: 871 Message: 873

Hello Thomas,
I'm well aware of the Terrestial 70cm DX'ers but I have *NEVER* yet heard one call CQ AO-7 ... on the wrong sideband.

The QRM this morning was quite deliberate, I know precisely who this station is and this is EXACTLY what he wants ... attention from other people.

The only reason I mentioned it was for the sake of the newcomer to satellite operations, the station who who has just joined us this refelector.

The gentleman doing the deliberate QRM'ing is best ignored completely.

I mentioned the power because the transponder was FM'ing badly this morning ... this is almost always !! due to excessive power and most people are *NOT* in the habit of decreasing power as the satellite approches TCA.

73 John. <la2qaa@...>

874. Re: [amsat-bb] ISS voice pass today 9/5/07 18:44

Yahoo group: eu-amsat
Date: 2007-09-05 19:05:02 UTC
From: Luc Leblanc
Topic: 874 Message: 874

On 5 Sep 2007 at 6:09, MM wrote:

> hi all
> do not forget todays ISS voice pass.
> Listen on 145.800.
>
I was able to copy him from AOS to LOS signal peak at s9. It was interresting to learn Clayton Anderson read the book Sahara and he's a personnal friend of "Nevada Bar"! and he's forecasting to eat a T-Bone steak when he will came back on earth.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

875. (no subject)

Yahoo group: eu-amsat
Date: 2007-09-06 01:11:35 UTC
From: John Hackett
Topic: 875 Message: 875

Hi All,
Is anyone using MCW on AO-51 ...

<http://www.geocities.com/SiliconValley/2775/mcwosc1.html>

I asked a member of the command team this question off list but as yet have not received a reply.

Comments would be appreciated.

73 John. <la2qaa@...>

876. Out of range?.

Yahoo group: eu-amsat
Date: 2007-09-06 01:25:28 UTC
From: John Hackett
Topic: 876 Message: 876

Well Mak,
The "challenge" is the incentive.

When I worked Joe I had to use knife-edge propagation to creep round the edge of a mountain.

It's fairly common to use a ridge and go over the top but to creep round the side is a bit unusual. You have to use all the tricks available and the propagation has to be just right.

Remember, even though it's *VERY* rare, under the right propagation conditions satellites *HAVE* been heard from the antipodes (exact opposite side of the earth to your QTH).

Aldert PH7PCF and I often used to QSO on AO-7 with me firing at the mountains ... 90 degrees to the satellite ... so never say never.

73 John. <la2qaa@amsat.org>

877. Re: [amsat-bb] Delfi-3 Launch Update

Yahoo group: eu-amsat
Date: 2007-09-06 03:28:52 UTC
From: Luc Leblanc
Topic: 877 Message: 877

On 5 Sep 2007 at 17:46, Bill Ress wrote:

> A launch update for Delfi-3 has been posted on.....
>
> http://www.delfic3.nl/index.php?option=com_content&task=view&id=86
>
> Regards...Bill - N6GHz
>

Could be the power vs battery problem is no battery?
The next step is to put the satellite in a sun synchronous orbit!!!

Its so simple i don't know why nobody ever try it?

It's probably too KISS for the engineers who prefer to work on edge science
project detrimental to the users...

EPS (Electrical Power Subsystem)
The Electrical Power Subsystem (EPS) has to be able to provide sufficient power
to the subsystems under all possible satellite attitudes. The satellite will
not carry any batterry or power buffering. So the satellite will not receive
any power during solar eclipse. The satellite will commence a new boot every
time it receives enough power from the solar cells.

"-"
"You are not exhausted to die?"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

878. Baa ba little lamb.

Yahoo group: eu-amsat
Date: 2007-09-06 07:59:37 UTC
From: John Hackett
Topic: 878 Message: 878

So much for the (convenient) 24 hours timer theory proffered in response to my previous mails regarding the timing of AO-7.

This is the 3rd consequtive day the 24 hour timer is *NOT* playing ball.

05/06 Septembert 2007.

TIME. ORBIT. MODE.

23:46 50133 B
23:51 50133 A
01:35 50135 A
01:36 50134 B
01:44 40135 A

I have received confirmation mails from AJ9K and K3SZH that
their log entries *ARE* correct.

As you Gentlemen on that side of the pond are wont to say ...
"go figure!".

Incidentally, the mode changes spell "baa ba" ... it couldn't be that AO-t thinks we're a veritable bunch (flock) of sheep?.

Just a thought.

73 John. <la2qaa@...>

879. Phone home ... (ET).

Yahoo group: eu-amsat
Date: 2007-09-06 10:41:09 UTC
From: John Hackett
Topic: 879 Message: 879

An idea?.

After a trip to the new electrical appliance mall in Kristiansund, that, according to their blurb ... "If it runs on electricity, we sell it" ... on asking for a Palm Pilot PDA, I was met with a blank stare and an interogatory ... "a what?".

I was of course looking for something small and convenient to predict satellite passes.

Of course, I have the choice of either lugging around my laptop and using the myriad of tracking software available, also online predictions or carry around sheaves of paper printouts with the pertinent information. I could also plot the passes at home and send myself an e-mail.

Then I thought ... everybody and his dog! has a mobile phone and there are a *LOT* of them that use Symbian software.

How convenient if someone could write a simple satellite tracking application that would run on the Symbian OS mobile phones.

I did suggest this to N1DID (ex: W0EEC) a couple of years ago but Emily has been busy with her Second Life.

I'm just nearing the end of my first (real) one and wonder if this is a good idea or nay ??.

73 John. <la2qaa@...>

880. Re: [amsat-bb] Baa ba little lamb.

Yahoo group: eu-amsat
Date: 2007-09-06 11:10:06 UTC
From: Andrew Glasbrenner
Topic: 878 Message: 880

John, It's not too hard to figure out. The satellite is not yet in full sun. Look at the footprint of the sat and the illuminated area of the earth at 16:57 and 18:50 today. The lines don't touch. No sun=no power=timer not working. Go figure...

73, Drew KO4MA

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: "Eu-amsat@yahoogroups.com" <eu-amsat@yahoogroups.com>
Cc: <jking@...>; <allan_gm1sxx@...>;
<amsat-bb@...>; <k3szh@...>
Sent: Thursday, September 06, 2007 3:59 AM
Subject: [amsat-bb] Baa ba little lamb.

>
> So much for the (convenient) 24 hours timer theory proffered in response
> to my previous mails regarding the timing of AO-7.
>
> This is the 3rd consequtive day the 24 hour timer is *NOT* playing ball.
>
> 05/06 Septembert 2007.
>
> TIME. ORBIT. MODE.
>
> 23:46 50133 B
> 23:51 50133 A
> 01:35 50135 A
> 01:36 50134 B
> 01:44 40135 A
>
> I have received confirmation mails from AJ9K and K3SZH that
> their log entries *ARE* correct.
>
> As you Gentlemen on that side of the pond are wont to say ...
> "go figure!".
>
> Incidentally, the mode changes spell "baa ba" ... it couldn't be that AO-t
> thinks we're a veritable bunch (flock) of sheep?.
>
> Just a thought.
>
> 73 John. <la2qaa@...>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.

> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

881. Gone to figure ...

Yahoo group: eu-amsat
Date: 2007-09-06 11:59:49 UTC
From: John Hackett
Topic: 881 Message: 881

In response to one of my earlier mails I received this ...

>John, It's not too hard to figure out. The satellite is not yet in full >sun. Look at the footprint of the sat and the illuminated area of >the earth at 16:57 and 18:50 today. The lines don't touch. No >sun=no power=timer not working. Go figure...

>

>73, Drew KO4MA

I'm still trying to figure out whether this was meant to be a helpful mail ... or a typical piece of Amsat b.o.d. pomposity.

It rather reminds me of one of Lord Kitchener's replies.

Corporal ... Sir!, the natives are revolting !!!.

Kitchener ... Lad, they most certainly are!.

NB.

I did manage to 'figure' out the timer idiosyncracy.

73 John. <amsat.org>

882. Re: [eu-amsat] Phone home ... (ET).

Yahoo group: eu-amsat
Date: 2007-09-06 12:16:24 UTC
From: Simon Brown
Topic: 879 Message: 882

Quite a few phones run Java. You could write the code for a HP calculator.

Simon Brown, HB9DRV
----- Original Message -----
From: John Hackett

Then I thought ... everybody and his dog! has a mobile phone and there are a *LOT* of them that use Symbian software.

883. Re: [eu-amsat] Gone to figure ...

Yahoo group: eu-amsat
Date: 2007-09-06 12:47:57 UTC
From: Thomas Frey
Topic: 881 Message: 883

John Hackett schrieb:
> In response to one of my earlier mails I received this ...
>
> >John, It's not too hard to figure out. The satellite is not yet in
> full >sun. Look at the footprint of the sat and the illuminated area
> of >the earth at 16:57 and 18:50 today. The lines don't touch. No
> >sun=no power=timer not working. Go figure...
> >
> >73, Drew KO4MA
>
> I'm still trying to figure out whether this was meant to be a helpful
> mail ... or a typical piece of Amsat b.o.d. pomposity.
>
I got also no answer about AO-51's torquer if it is running or not
and if it is the reason of low TX level (not the 7 watts as propagated
before launch of Echo).

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

884. Re: [SPAM] Re: [eu-amsat] Gone to figure ...

Yahoo group: eu-amsat
Date: 2007-09-06 13:01:44 UTC
From: Andrew Glasbrenner
Topic: 881 Message: 884

Hey, I have a job, and have worked 26 hours in the last 2 days. Here's the short answer. The torquer is not for solar management, all it does is flip the spacecraft around the Z axis to favor the southern hemisphere with the UHF downlink array. It has never been tested. We could run 7 watts over the US, but thought it'd be nice to share with everyone else. Patience would have brought you a more detailed answer.

73, Drew KO4MA

----- Original Message -----
From: Thomas Frey
To: eu-amsat@yahoogroups.com
Sent: Thursday, September 06, 2007 8:47 AM
Subject: [SPAM] Re: [eu-amsat] Gone to figure ...

John Hackett schrieb:
> In response to one of my earlier mails I received this ...
>
> >John, It's not too hard to figure out. The satellite is not yet in
> full >sun. Look at the footprint of the sat and the illuminated area
> of >the earth at 16:57 and 18:50 today. The lines don't touch. No
> >sun=no power=timer not working. Go figure...
> >
> >73, Drew KO4MA
>
> I'm still trying to figure out whether this was meant to be a helpful
> mail ... or a typical piece of Amsat b.o.d. pomposity.
>
I got also no answer about AO-51's torquer if it is running or not
and if it is the reason of low TX level (not the 7 watts as propagated
before launch of Echo).

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

885. Apology.

Yahoo group: eu-amsat
Date: 2007-09-06 14:40:28 UTC
From: John Hackett
Topic: 881 Message: 885

While the following mail was not directed at me personally, it was in part instigated by a mail I originally wrote.

On behalf of Eu-amsat, I would like to apologise to KO4MA Andrew Glasbrenner for the impatence he refers to in his mail.

It is easy to forget that some people have jobs that sometimes involve more than the usual 9 to 5 routine.

Andrew, please accept our apology.

(This mail was *NOT* meant to be 'tongue-in-cheek').

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: glasbrenner@mindspring.com
Date: Thu, 6 Sep 2007 09:01:44 -0400
Subject: Re: [SPAM] Re: [eu-amsat] Gone to figure ...

Hey, I have a job, and have worked 26 hours in the
last 2 days. Here's the short answer. The torquer is not for solar management,
all it does is flip the spacecraft around the Z axis to favor the southern
hemisphere with the UHF downlink array. It has never been tested. We could
run 7 watts over the US, but thought it'd be nice to share with everyone
else. Patience would have brought you a more detailed answer.

73, Drew KO4MA

----- Original Message -----
From:
Thomas
Frey
To: eu-amsat@yahoogroups.com
Sent: Thursday, September 06, 2007 8:47
AM
Subject: [SPAM] Re: [eu-amsat] Gone to
figure ...

John Hackett schrieb:
> In response to one of my earlier mails I
received this ...
>
> >John, It's not too hard to figure out.
The satellite is not yet in
> full >sun. Look at the footprint of
the sat and the illuminated area

> of >the earth at 16:57 and 18:50
today. The lines don't touch. No
> >sun=no power=timer not working.
Go figure...
> >
> >73, Drew KO4MA
>
> I'm still
trying to figure out whether this was meant to be a helpful
> mail ...
or a typical piece of Amsat b.o.d. pomposity.
>
I got also no answer
about AO-51's torquer if it is running or not
and if it is the reason of
low TX level (not the 7 watts as propagated
before launch of
Echo).

Mit freundlichen Grüssen, Regards, 73
Thomas Frey,
HB9SKA

Thomas
Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

886. Re: [eu-amsat] Apology.

Yahoo group: eu-amsat
Date: 2007-09-06 16:01:32 UTC
From: Thomas Frey
Topic: 881 Message: 886

John Hackett schrieb:
> While the following mail was not directed at me personally, it was in
> part instigated by a mail I originally wrote.
>
> On behalf of Eu-amsat, I would like to apologise to KO4MA Andrew
> Glasbrenner for the impatence he refers to in his mail.
>
> It is easy to forget that some people have jobs that sometimes
> involve more than the usual 9 to 5 routine.
>
> Andrew, please accept our apology.
>
> (This mail was *NOT* meant to be 'tongue-in-cheek').
>
> 73 John. <la2qaa@...>
Dear Andrew

Please accept also my apology, it was a "hipshot". Thanks for your answer.
I'm wondering about the low power levels if I see the following site:
http://www.amsat.org/amsat-new/articles/echo_ops/pages/echo3.php

>
> ---
> To: eu-amsat@yahoogroups.com
> From: glasbrenner@...
> Date: Thu, 6 Sep 2007 09:01:44 -0400
> Subject: Re: [SPAM] Re: [eu-amsat] Gone to figure ...
>
>
> Hey, I have a job, and have worked 26 hours in the last 2 days.
> Here's the short answer. The torquer is not for solar management,
> all it does is flip the spacecraft around the Z axis to favor the
> southern hemisphere with the UHF downlink array. It has never been
> tested. We could run 7 watts over the US, but thought it'd be nice
> to share with everyone else. Patience would have brought you a
> more detailed answer.
>
> 73, Drew KO4MA
>
>
> ----- Original Message -----
> *From:* Thomas Frey <mailto:th.frey@...>
> *To:* eu-amsat@yahoogroups.com <mailto:eu-amsat@yahoogroups.com>
> *Sent:* Thursday, September 06, 2007 8:47 AM
> *Subject:* [SPAM] Re: [eu-amsat] Gone to figure ...

>
> John Hackett schrieb:
> > In response to one of my earlier mails I received this ...
> >
> > >John, It's not too hard to figure out. The satellite is not
> yet in
> > full >sun. Look at the footprint of the sat and the
> illuminated area
> > of >the earth at 16:57 and 18:50 today. The lines don't
> touch. No
> > >sun=no power=timer not working. Go figure...
> > >
> > >73, Drew KO4MA
> >
> > I'm still trying to figure out whether this was meant to be
> a helpful
> > mail ... or a typical piece of Amsat b.o.d. pomposity.
> >
> I got also no answer about AO-51's torquer if it is running or not
> and if it is the reason of low TX level (not the 7 watts as
> propagated
> before launch of Echo).
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
> <http://home.datacomm.ch/th.frey/>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

887. AO-7: lonely....

Yahoo group: eu-amsat
Date: 2007-09-06 17:38:35 UTC
From: SV1BSX
Topic: 887 Message: 887

...once more time the "Old Lady" was without traffic over Europe!

Too bad... I was listening my CW-tone on Downlink (+-29452, 17:00-17:15Z) just like my...
Key's internal-oscillator for CW-practice!
Loud, clear, no FMing... just a little fading from time to time, as usual.

Wake-UP EUROOOOOOOPPPEEEEEEEEEEE !!!!!

73, Mak SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000773-1, 09/06/2007
Tested on: 9/6/2007 8:38:38 PM
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

888. Re: [eu-amsat] AO-7: lonely....

Yahoo group: eu-amsat
Date: 2007-09-06 19:58:05 UTC
From: Thomas Frey
Topic: 887 Message: 888

SV1BSX schrieb:
> ...once more time the "Old Lady" was without traffic over Europe!
>
> Too bad... I was listening my CW-tone on Downlink (+-29452,
> 17:00-17:15Z) just like my... Key's internal-oscillator for CW-practice!
> Loud, clear, no FMing... just a little fading from time to time, as
> usual.
>
> Wake-UP EUROOOOOOOPPPEEEEEEEEEEE !!!!!
>
>
> 73, Mak SV1BSX
>
>
Hello Mak

I will try Mode-A during the weekend. My 10m-rig is a Ranger RCI-2950DX
and a L1/2-dipole mounted as inverted-V.

If Mode-A is active, is also the beacon active on 29.502 MHz ? I would
then call in SSB on about 29.450 MHz. I'm not a CW-man.

Now I have to work again, I've also a job ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

889. Re: [eu-amsat] AO-7: lonely....

Yahoo group: eu-amsat
Date: 2007-09-06 18:23:54 UTC
From: TERRY BROMLEY
Topic: 887 Message: 889

Hi MAK, i hear what you are saying at the moment i am all mouth no EARS hi hi. Good up to ao-7 (A) but cannot hear myself on the downlink. I am away on holliday next week will try when i get back.
73 Terry G1WPR.
----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Thursday, September 06, 2007 6:38 PM
Subject: [eu-amsat] AO-7: lonely....

...once more time the "Old Lady" was without traffic over Europe!

Too bad... I was listening my CW-tone on Downlink (+-29452, 17:00-17:15Z) just like my... Key's internal-oscillator for CW-practice!
Loud, clear, no FMing... just a little fading from time to time, as usual.

Wake-UP EUROOOOOOOPPPEEEEEEEEEEE !!!!!

73, Mak SV1BSX

---

avast! Antivirus: Outbound message clean.

Virus Database (VPS): 000773-1, 09/06/2007
Tested on: 9/6/2007 8:38:38 PM
avast! - copyright (c) 1988-2007 ALWIL Software.

890. Oink

Yahoo group: eu-amsat
Date: 2007-09-07 09:22:27 UTC
From: John Hackett
Topic: 890 Message: 890

To whom it may concern,
Any lack of response to e-mails from LA2QAA after the 10th of September has absolutely nothing to do with impoliteness and everything to do with major surgery.

It's the pig's heart again.

OK Terry, (G1WPR) ... just for you, here it is again ...

How does a pig feel when it loses it's voice ?.

Dis 'grunt' led !!!.

73 John. <la2qaa@...>

891. RE: Baa ba little lamb.

Yahoo group: eu-amsat
Date: 2007-09-07 09:33:40 UTC
From: John Hackett
Topic: 878 Message: 891

Jan,
That's precisely the conclusion I came to ... though I'm being e-mailed some wierd and wonderful 'theories' ... everything from the amount of illumination to the colour of my underpants on the days in question.

One of the problems is of course finding precise eclipse software (that is agreement with other softeware). The "trick" is to use three different ones and bat for an average.

(very! scientific ... he he he).

I've made an application for the documentation you mentioned but whether I'll manage to get my grubby little hands on it is another matter. I'll keep you posted.

In the words of the Wallies, Good on yer' mate, no worries!.

73 John. <la2qaa@...>

From: jking@...
To: la2qaa@...; eu-amsat@yahoogroups.com
CC: amsat-bb@...; allan_gm1sxx@...; sv1bsx@...; k3szh@...
Subject: RE: Baa ba little lamb.
Date: Fri, 7 Sep 2007 10:11:55 +0100

John,

Are you sure it’s not because there
is now some eclipse time that is taking the bird down? It only takes a few seconds without a
battery and the timer will be reset or come up random (I think it resets, as I
recall). The way the orbit of the
Earth around the sun works, the minimum eclipse duration for sun sync orbits
should be on about February 10 and the maximum eclipse should be on about June
1. The orbit has drifted so far in
the sunward direction (toward a 6 AM – 6 PM ascending node) that there
may be no eclipse at all now (which is good) but, you would expect to have this
problem you are describing more like in June than in September if it is due to
eclipse. Curious! I suppose the timer could have failed
but, it’s funny to think that it would fail after 31 years and other
stuff would not have. There is
nothing special about those two CMOS gates that would make that circuit any
more prone to failure than any other that is still working. I’d rather suspect something with
the power system driven by orbit changes.
One power glitch would reset the timer.

Jan

From: John
Hackett [mailto:archie.hackett@...]

Sent: Thursday, 6 September 2007
9:00 AM

To: Eu-amsat@yahoogroups.com

Cc: amsat-bb@...;
allan_gm1sxx@...; jking@eclipticenterprises.com; sv1bsx@...;
k3szh@...

Subject: Baa ba little lamb.

So much for the (convenient) 24
hours timer theory proffered in response to my previous mails regarding the
timing of AO-7.

This is the 3rd consequtive day the 24 hour timer is *NOT* playing ball.

05/06 Septembert 2007.

TIME. ORBIT. MODE.

23:46 50133 B

23:51 50133 A

01:35 50135 A

01:36 50134 B

01:44 40135 A

I have received confirmation mails from AJ9K and K3SZH that

their log entries *ARE* correct.

As you Gentlemen on that side of the pond are wont to say ...

"go figure!".

Incidentally, the mode changes spell "baa ba" ... it couldn't be that
AO-t thinks we're a veritable bunch (flock) of sheep?.

Just a thought.

73 John. <la2qaa@...>

892. Re: [eu-amsat] AO-7: lonely....

Yahoo group: eu-amsat
Date: 2007-09-07 19:13:30 UTC
From: SV1BSX
Topic: 887 Message: 892

Hi Terry, Thomas & Group,

=> OK Terry,
I am surprised why you can not hear the "Old girl". Yesterday I had a malfunction
on my TS-850 and I tryed my old receiver, FRG-7000 by Yaesu.
With my FD3 (Half-Windom) and a homebrew pre-amp, I had easily receiving.
No deflection on S-meter
(this receiver is a little-bit "deaf", indeed !), but it was possible to listen my signal on Downlink, without
problem.
BTW my coaxial cable between Antenna & Shack is about.... 100 ft RG58, 20 years old !!!!

So, check your HF system again Terry. Have you there worst cable than me ? Impossible !

I wish you a good time on holidays.

==========

=>Thomas,

I would be glad if I hear you on AO-7/A. Probably the Saturday it will be active again on Mode-A.
Yes, right, the Beacon is on 29502 but, usually is NO active.

So, try to listen your self by transmitting at 145.900 and looking for your return signal around 29450 (+- a few KHz for Doppler).
For example, I'm starting on +-145.897 @ AOS, increasing my TX frequency to +-145.900 @ TCA,
upto +- 145.903 @ AOS. Thus my signal is stable enough against to Doppler around 29450 on Downlink.
Keep also in mind that, Mode-A is NON-reverse Mode! USB Uplink, USB Downlink !

Good luck on AO-7/A

73, Mak SV1BSX

>Hi MAK, i hear what you are saying at the moment i am all mouth no EARS hi
>hi.
>Good up to ao-7 (A) but cannot hear myself on the downlink.
>I am away on holliday next week will try when i get back.
>
> 73 Terry G1WPR.

>> ...once more time the "Old Lady" was without traffic over Europe!
>>
>> Too bad... I was listening my CW-tone on Downlink (+-29452,
>> 17:00-17:15Z) just like my... Key's internal-oscillator for CW-practice!
>> Loud, clear, no FMing... just a little fading from time to time, as
>> usual.
>>
>> Wake-UP EUROOOOOOOPPPEEEEEEEEEEE !!!!!
>>
>>
>> 73, Mak SV1BSX
>>
>>
> Hello Mak
>
> I will try Mode-A during the weekend. My 10m-rig is a Ranger RCI-2950DX
> and a L1/2-dipole mounted as inverted-V.
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> If Mode-A is active, is also the beacon active on 29.502 MHz ? I would
> then call in SSB on about 29.450 MHz. I'm not a CW-man.
>
> Now I have to work again, I've also a job ;-)
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000773-1, 09/06/2007
> Tested on: 9/6/2007 11:15:08 PM
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000773-1, 09/06/2007
Tested on: 9/7/2007 10:13:37 PM
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

893. RE: AO-07 orbit 50159

Yahoo group: eu-amsat
Date: 2007-09-08 17:56:27 UTC
From: John Hackett
Topic: 893 Message: 893

Allen,
A pleasure to 'meet' you and have the opportunity to thank you for confirming mode-B for AO-7's orbit 50159.

Very much appreciated Allen.

I'm currently discussing the relays used 31 years ago, with the chief design engineer, J King ... (which are 'latching' and which are not) ... since, as I'm sure you're aware, this, together with the illumination could also play a part in the mode on/off/on/off sequence.

Last year, when I first 'tagged' the 24 hour timer the satellite was in constant illumination ... this time, it's a little more 'debatable' ... (different software packages) ... hence this year's musings re: the mode and when it changes.

Last year I established it to be it on or around 08:30 drifting to 09:00. At present, it appears to be 01:45 to 02:00 ... which in itself is rather interesting.

I hope you don't mind me CC'ing this mail to Joe K3SZH, Mak SV1BSX and a few other interested parties.

I'll do my best to keep the log up to date Allen.

Thank you again for your response.

73 John. <la2qaa@amsat6.org>
.....

> Date: Sat, 8 Sep 2007 09:51:23 -0500
> To: la2qaa@...g
> From: afmattis@...
> Subject: AO-07 orbit 50159
>
> < It would be interesting if you could confirm which mode AO-7 was in at
> 01:28 on orbit 51059 Allen.
>
> John:
>
> AO-07 was in Mode B. My uplink was 70cm and downlink was 2m. I heard
> myself loud and clear on 145.942 for about 7 minutes. I also heard a
> little SSB up near 145.953 but didn't listen long enough to get the call
> sign. I had the usual fade out when the bird moved north of me at
> mid-pass. Many of us in the US with omni-directional antennas can only get
> in when the bird is south of us.
>
> Thank you for the work you are doing to gather data to try to figure out
> the mode change pattern. Also thank you for correcting my entries - I

> usually check my entries and make a correction if needed but we had house
> guests yesterday and I did not have time.
>
> Allen
>
>
> At 01:33 PM 9/8/2007 +0200, you wrote:
> >Allen,
> > I have taken the liberty of correcting your AO-7 log entry on
> > orbit 50159.
> >
> >You entered the mode as 'OFF' but at the same time commented your heard
> >your own downlink ... therefore the mode must have been 'ON' in either A,B
> >or C ... and since the other stations logged in mode-B before and after
> >you heard your downlink I presume the satellite was in mode- B at the time
> >... unless anything untoward was happening.
> >
> >You mentioned ... "called CQ CW 145.942 ... which in fact suggests mode-A
> >between two periods of mode-B on the same orbit. It appears this also
> >happened two days ago, it is quite unusual for AO-7 to switch twice on the
> >same orbit.
> >
> >It would be interesting if you could confirm which mode AO-7 was in at
> >01:28 on orbit 51059 Allen.
> >
> >Thank you.
> >
> >73 John. <la2qaa@...g> AO-7 Resource Page Admin:
>
>

894. Secret satellite

Yahoo group: eu-amsat
Date: 2007-09-09 14:17:15 UTC
From: Luc Leblanc
Topic: 894 Message: 894

From Hearsat mailing list

An interesting story from Space.com, June 8, 2007,
http://www.space.com/news/060707_graves_web.html

"Secret Satellites

A French space surveillance radar has detected 20 to 30 satellites in low Earth orbit that do NOT figure in the U.S. Defence Department's catalogue.

After 16 months operation of its Graves radar system, which can locate satellites in orbits up to
1,000 kilometres in altitude, the French Defence Ministry says it has gathered just about enough information to pressure U.S. authorities to stop publishing the whereabouts of French reconnaissance and military communications satellites.

The U.S. Defense Department's Space Surveillance Network is the world's gold standard for cataloguing satellites and debris in both low Earth orbit and the higher geostationary orbit at 36,000 kilometres in altitude, where telecommunications satellites operate.

Data from the U.S. network of ground-based sensors are regularly published and used worldwide by those tracking satellite and space debris trajectories. The published information excludes sensitive U.S. defence satellites, but regularly includes data on the orbits of other nations' military hardware.

The Graves radar, and a complementary system operated by the German government, together are enough to pinpoint the location, size, orbit and transmission frequency of satellites - data which the U.S. would prefer not to be broadcast worldwide, French officials said.

'We have discussed the Graves results with our American colleagues and highlighted the discrepancies between what we have found and what is published by the US Space Surveillance Network,' said one French defence official. 'They told us, "If we have not published it in our catalogue, then it does not exist." So I guess we have been tracking objects that do not exist. I can tell you that some of these non-existent objects have solar arrays.'"
.....

"The usual double standards democracy..."Mao Tse tung"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

895. AO-07 seems to be jumping into mode A

Yahoo group: eu-amsat
Date: 2007-09-10 07:13:24 UTC
From: Murray Hely ZL3MH
Topic: 895 Message: 895

AO-07 seems to be jumping into mode A

I have listened for the beacon on 28.502
but I have not heard it. Some report the
beacon is not active . See below URL

http://www.planetemily.com/ao7/ao7log.php

73 Murray ZL3MH

896. Re: [amsat-bb] Re: Rotators

Yahoo group: eu-amsat
Date: 2007-09-10 07:49:15 UTC
From: Luc Leblanc
Topic: 896 Message: 896

On 9 Sep 2007 at 22:14, Gary "Joe" Mayfield wrote:

> If by available you mean currently made -- Alpha Spid is probably the Lexus
> of AZ/EL rotors -
>
> http://alfaradio.ca/alfaspid-azel.html
>
> It is the one I lust after -- but my Yaesu has done just fine.
>
> 73,
> Joe kk0sd

I agree. I have the azimuthal since 3 years now and i recommend it

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

897. PAVE PAWS Radar Sites

Yahoo group: eu-amsat
Date: 2007-09-10 08:16:26 UTC
From: Luc Leblanc
Topic: 897 Message: 897

QSP from ARRL

ZCZC AG19
QST de W1AW
ARRL Bulletin 19 ARLB019
From ARRL Headquarters
Newington CT August 31, 2007
To all radio amateurs

SB QST ARL ARLB019
ARLB019 ARRL Continues Efforts On Interference To PAVE PAWS Radar Sites

On August 13, the ARRL began sending ''specific mitigation reduction numbers'' to 122 repeater owners, recommending that they reduce their signal anywhere from 7 dB to 56 dB, according to ARRL Regulatory Information Branch Manager Dan Henderson, N1ND. These reductions, requested by the US Air Force and the Department of Defense, only concern those repeaters identified by the DoD as affecting the PAVE PAWS radar system.

''Some reductions are going to be attainable,'' Henderson said. ''You can do 7 dB, but 56?'' He said such a reduction would ''not be realistic to achieve. While many of the affected repeater owners may not be able to achieve the required reductions, but that doesn't mean they shouldn't try to meet the goal. Everyone involved needs to continue trying to meet the DoD's requirements. This gives us the best chance to keep as many of these machines as possible on the air.''

Henderson stressed that any order to shut down a repeater will come from the Federal Communications Commission, at the request of the DoD. ''This situation only affects those repeaters on the DoD's list in Massachusetts and California. It does not affect the everyday, casual user of 70 cm. This is not a wide-spread threat to the 70 cm band.''

Citing an increasing number of interference complaints, the US Air Force has asked the FCC to order dozens of repeater systems to either mitigate interference to the PAVE PAWS radars or shut down. The ARRL has been working with the DoD to develop a plan to mitigate alleged interference from 70 cm ham radio repeaters to this military radar system on both coasts. According to the DoD, the in-band interference from Amateur Radio fixed FM voice repeaters has increased to an unacceptable level. PAVE PAWS radars are used for national security functions, including early detection of water-launched missiles. They are critical to our national defense

and are in use 24 hours per day, seven days per week.

The Amateur Radio Service is a secondary user in the 420-450 MHz (70 cm) band, both by the Table of Frequency Allocations and the FCC Part 97 regulations. As such, Amateur Radio licensees, jointly and individually, bear the responsibility of mitigating or eliminating any harmful interference to the primary user, which in this case is the Government Radiolocation Service that includes the DoD PAVE PAWS systems.
NNNN
/EX

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

898. Fwd: GB5OSO will be active for the 50th Anniversary ofSputnik one launch

Yahoo group: eu-amsat
Date: 2007-09-10 21:55:11 UTC
From: SV1BSX
Topic: 898 Message: 898

Sent: Monday, September 10, 2007 21:44
Subject: [amsat-bb] GB5OSO will be active for the 50th Anniversary ofSputnik one launch

Hi All
John ,G7HIA, and myself will be using the special call sign GB5 OSO starting
on the 4th October for one month to celebrate the 50th Anniversary of the launch of the first earth orbiting satellite SPUTNIK ONE on the 4th October 1957 by the former USSR.It is anticipated that all of the available analogue
satellites will be used as time permits but there will certainly be a flurry
of activity starting on the 4th Oct for the first few days then at other times as and when.A special QSL card will be available after the event, so shake the dust off your satellite gear and join in the fun!

Regards Robert G8ATE

---

899. AMSAT-DL on Dr. Dish TV

Yahoo group: eu-amsat
Date: 2007-09-10 22:57:39 UTC
From: Thomas Frey
Topic: 899 Message: 899

Hello All

At the HAM Radio, Europes greatest HAM fair in Friedrichshafen Germany, was a TV-team from Dr. Dish TV, a German private TV-station, at the booth from AMSAT-DL and makes a movie. If you understand German, watch it at http://www.youtube.com/watch?v=e7aYXXghQPU . Of course you can watch it also if you don't understand German :-) Have fun.

The resulting predication is, we need much more money to start Phase-3E.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

900. Re: [eu-amsat] AMSAT-DL on Dr. Dish TV

Yahoo group: eu-amsat
Date: 2007-09-11 21:05:24 UTC
From: Trevor
Topic: 899 Message: 900

The video was mentioned in Tuesday's edition of the Daily Amateur Radio RSS news
http://www.southgatearc.org/news/september2007/amsat_dl_video_news.htm

I presume Dr Dish TV is a satellite TV company ?

It was good to see AMSAT-DL got a mention of the fund raising site at
http://www.p3e-satellite.org/index.pl

73 Trevor M5AKA

--- Thomas Frey <th.frey@...> wrote:

> Hello All
>
> At the HAM Radio, Europes greatest HAM fair in Friedrichshafen Germany,
> was a TV-team from Dr. Dish TV, a German private TV-station, at the
> booth from AMSAT-DL and makes a movie. If you understand German, watch
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>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
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>
>

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

901. Re: [eu-amsat] AMSAT-DL on Dr. Dish TV

Yahoo group: eu-amsat
Date: 2007-09-11 21:08:40 UTC
From: Thomas Frey
Topic: 899 Message: 901

Hello again

Have a look at Jeff's Blog: http://ke9v.net/2007/09/10/amsat-dl-video-news/

We neeed much more such supporting web sites. Thank you Jeff, KE9V.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

902. Old plastic tube.

Yahoo group: eu-amsat
Date: 2007-09-18 11:25:34 UTC
From: John Hackett
Topic: 902 Message: 902
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Well they chucked me out of the hospital when I started slinging me' gob at the doctors on their morning 'rounds'.

The clowns had refused to allow me to set up the satellite gear in the 4 man ward ... (I had an Arrow antenna and the IC-E91E + laptop with me) ... so I didn't manage to make the planned LA2QAA/H ... (hospital) ... satellite QSO and had to make do with a measly Molde repeater (from the toilet) QSO.

Operations (Medical).

Apparently, from what I can gather, they found an old chunk of plastic tubing in the cellar so they stuck that in my main artery. The legs now appear to work as per the 'instructions ... (one before the other, reoccuring) ... so the medical operation was a success even if the stroke/H radio operation wasn't ... mind you, there's talk of doing the other leg so I still might manage that satellite QSO before the towel gets chucked in.

File the attached JPG of the thigh keyer, used with an FM dual band handheld to send MCW up ... (receiving on AM down).

I'm doing an article for 'Observations' for those ... 'I can't use a linear transponders because I only have an FM rig' ....
people.

Mak was asking about me so I've batted this mail to a few of the other reprobates that frequent AO-7.

The real reason of course is my bone-idle nature ... I'm just too lazy to type several mails.

We used to use thigh keyers in the Signals when on tactical ops. You can see the size of it by the micro-switches I used for the actual iambic keyer. Works perfectly! on AO-7.

73 John.

From: allan_gm1sxx@...
To: la2qaa@...
Subject: RE: S'gone.
Date: Tue, 18 Sep 2007 10:46:28 +0000

Hi Agn,

So what did they do to you in hospital and how long were you in for?
Stent? Arterial graft? What?

One of our guys here at work got bitten by on the toe by an insect while changing into his work boots and ended up seriously ill in hospital for a week. They didn't find what bit him

so they tried all manner of IV fed antibiotics and eventually found one that worked. His foot and leg got seriously infected from the bite.

Projects here... almost nil. I do plan a tuneable wire loop for the lower bands and a new mag-loop for 20M and above. The HF vertical will be axed. I'm also planning some new beacon software using a FLASH PIC. I hope to be able to just send a message to it and have the PIC send it in CW and possibly also in FSK ASCII at high speed.
At the moment, changing the message contents is a bit laborious.

73 Al.

From: archie.hackett@...
To: allan_gm1sxx@...
Subject: S'gone.
Date: Tue, 18 Sep 2007 10:30:48 +0200

Hello Al,
S'gone unusually quiet lately ... you OK ?.

73 John.

Get free emoticon packs and customisation from Windows Live. Pimp My Live!

903. F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-22 16:56:01 UTC
From: SV1BSX
Topic: 903 Message: 903

Hi all,

another station, this time from Europe, just he got over the amazing number of ... 3.000 entries into
Emily's AO-7 Log !!! (http://www.planetemily.com/ao7/ao7log.php)

We talking for Henri, F3ZD.

Gongratulations dr OM Henri.

Actually, he is one of the ...2-3 "faithful" European operators on Mode-A.

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-4, 09/20/2007
Tested on: 9/22/2007 19:56:03
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http://www.avast.com

904. Re: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-22 20:40:45 UTC
From: Thomas Frey
Topic: 903 Message: 904

SV1BSX schrieb:
> Hi all,
>
> another station, this time from Europe, just he got over the amazing
> number of ... 3.000 entries into
> Emily's AO-7 Log !!! (http://www.planetemily.com/ao7/ao7log.php)
>
> We talking for Henri, F3ZD.
>
> Gongratulations dr OM Henri.
>
> Actually, he is one of the ...2-3 "faithful" European operators on
> Mode-A.
>
> 73, Mak SV1BSX
>
>
>
Hi All

Is AO-7 a CW-only Sat ? I can hear only CW-stations around 29.450 but
no phone-station. Why ?

Is it possible also to work in PSK31 ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

905. Re: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 01:07:38 UTC
From: SV1BSX
Topic: 903 Message: 905

> Hi All
>
> Is AO-7 a CW-only Sat ? I can hear only CW-stations around 29.450 but
> no phone-station. Why ?
>
> Is it possible also to work in PSK31 ?
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

Hi Thomas & group,

well, they are also several operators on SSB (ie G0VHS, DO9OAM, IW4DVZ,
OT6T,
DH5MK, HB9OAB, OH2LHE, DM9LSB, IK0DPX ... & more).

I think the main problem for this low activity it's the difficult & weak
reception
of AO-7's downlink (@ 29450). Some operators just... they can not hear the
Satellite
and some others they hear it but, very weak.

For this reason, CW likes to the majority of operators because is
much-much easier
Mode for Satellite reception under limited conditions.

And finally, the matter is that for... non-explainable reasons the
Europeans are... last on Mode-A,
far away behind of US's & Jap's Sat-Operators.

Bad European-HFs? Bad European-antennas for 10m Band? Strange magnetic
fields over
Europe? UFOs ? supernatural effects? ..... he he

Hmm, ... it's a great mystery why the Europe in Mode-B is *champion* and
in Mode-A.... bottom ! .... nobody knows !!!

Have a nice Sunday

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, September 22, 2007 23:40
Subject: Re: [eu-amsat] F3ZD / AO-7

> SV1BSX schrieb:
>> Hi all,
>>
>> another station, this time from Europe, just he got over the amazing
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>> Gongratulations dr OM Henri.
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>> Mode-A.
>>
>> 73, Mak SV1BSX
>>
>>
>>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-4, 09/20/2007
Tested on: 9/23/2007 04:07:41
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http://www.avast.com

906. RE: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 07:24:39 UTC
From: John Hackett
Topic: 903 Message: 906

Hello Folks,
I concur with Mak,
That is PRECISELY why the European operators favour CW in mode-A on AO-7 ... the difficulty of receiving an edequate downlink. Most operators not already having a good 10m aerial view it as being not worth the effort to erect an 'effective' mode-A aerial for AO-7.

Like Mak correctly states, there are many!! SSB operators ... but for the above reasons ... they operate mode-B.

Most people *ARE* aware of the power problems on AO-7 but unfortunately, we still see the occasional station knocking the transponder silly with amounts of power that would be embarrassing on EME.

Please do try regulating your power as the satellite approaches you (TCA) ... you'll find that when it's above about 25 degrees you can communicate with *HALF* the power you use when the satellite is near the horizon.

Likewise, those using beams ... try using the half power beamwidth to your advantage ... ie ... line your aerial up so that the zenith is on the satellite at the horizon and the -3dB point falls at TCA ... you might be surprised.

NB.

These *amplifiers* are FREE !!!.

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sun, 23 Sep 2007 04:07:38 +0300
Subject: Re: [eu-amsat] F3ZD / AO-7

> Hi All

>

> Is AO-7 a CW-only Sat ? I can hear only CW-stations around 29.450 but

> no phone-station. Why ?

>

> Is it possible also to work in PSK31 ?

>

>

> Mit freundlichen Grüssen, Regards, 73

> Thomas Frey, HB9SKA

> _____

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

> http://home.datacomm.ch/th.frey/

>

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OT6T,

DH5MK, HB9OAB, OH2LHE, DM9LSB, IK0DPX ... & more).

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reception

of AO-7's downlink (@ 29450). Some operators just... they can not hear the

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and some others they hear it but, very weak.

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And finally, the matter is that for... non-explainable reasons the

Europeans are... last on Mode-A,

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Have a nice Sunday

73, Mak SV1BSX

----- Original Message -----

From: "Thomas Frey" <th.frey@...>

To: <eu-amsat@yahoogroups.com>

Sent: Saturday, September 22, 2007 23:40

Subject: Re: [eu-amsat] F3ZD / AO-7

> SV1BSX schrieb:

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>>

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>> Emily's AO-7 Log !!! (http://www.planetemily.com/ao7/ao7log.php)

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>> We talking for Henri, F3ZD.

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>> 73, Mak SV1BSX

>>

>>

>>

---

avast! Antivirus: Outbound message clean.

Virus Database (VPS): 000775-4, 09/20/2007

Tested on: 9/23/2007 04:07:41

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http://www.avast.com

907. Re: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 10:33:41 UTC
From: Thomas Frey
Topic: 903 Message: 907

John Hackett schrieb:
> Hello Folks,
> I concur with Mak,
> That is PRECISELY why the
> European operators favour CW in mode-A on AO-7 ... the difficulty of
> receiving an edequate downlink. Most operators not already having a
> good 10m aerial view it as being not worth the effort to erect an
> 'effective' mode-A aerial for AO-7.
>
> Like Mak correctly states, there are many!! SSB operators ... but for
> the above reasons ... they operate mode-B.
>

OK, Thanks Mak and John. Would it be possible to operate in PSK31 over
the A-Transponder ? Or would the transponder be overloaded in this mode ?

73 de
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

908. Re: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 12:14:59 UTC
From: SV1BSX
Topic: 903 Message: 908

.... Thomas,

at my opinion PSK31 is not recommended Mode for AO-7.

As you know, the "Old girl" working with Solar panel's power and it's very usual the "chirp-chirp" effect
and sometimes the heavy distorted Downlink signal (plus FM-ing).

So, it should be a great problem for PSK31's downlink-tone, as it's very difficult to remain stable

enough, clear and without distortion for an accurate decoding.

Another problem for AO-7, due to limitated Power budget, is that the PSK31 "pushing"

the SSB transmitter to (almost) full power output, with 100 % duty sycle.

That is not recommended working condition for AO-7, we have to care about this bird

by using as low as possible Uplink power.

Of course, Ham-radio is experimentation. So if someone has a fully controlled transmitter about EIRP output,
for example between 5 - 50 Watts and thus always looking for the best, clear and non distorted downlink signal by keeping the output Low enough,
and (if) he is very careful man and knowledgeable operator, yes, he could be tried, why not.
Especially when the AO-7 is lonely, without any other user.

73, Mak SV1BSX

>
> OK, Thanks Mak and John. Would it be possible to operate in PSK31 over
> the A-Transponder ? Or would the transponder be overloaded in this mode ?
>
>
> 73 de
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

---
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Virus Database (VPS): 000775-6, 09/22/2007
Tested on: 9/23/2007 15:15:05

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http://www.avast.com

909. RE: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 12:22:10 UTC
From: John Hackett
Topic: 903 Message: 909

Thomas,
Since PSK31 was specifically designed for low power operation (with narrow bandwidth) it ought to be a suitable candidate for operation n the mode-A transponder.

For those wishing to try PSK31 via satellite.

Points to remember ...

Do *NOT* increase the transmitted power to compensate for a less than optimum receive signal.

Peter Martinez (the founder of PSK31) was unsuccessful with this mode via satellite ... as was PH7PCF and LA2QAA.

Remember, the bandwidth is *EXTREEMLY* narrow but it might work on mode-A at 29.5Mhz. Aldert and I tried it in mode-B where it *DOESN'T* work ... due to the doppler.

In all cases, a *GOOD* receive aerial will be necessary.

The obligatory rusty 6 inch nail just isn't good enough.

73 John.
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 23 Sep 2007 12:33:41 +0200
Subject: Re: [eu-amsat] F3ZD / AO-7

John Hackett schrieb:

> Hello Folks,

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Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

910. RE: [eu-amsat] F3ZD / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 12:26:15 UTC
From: John Hackett
Topic: 903 Message: 910

One again, I agree with Mak ... just use common sense.

A sked when the bird is not overloaded just might produce a result in mode-A.

I can assure you, mode-B has been tried extensively and PSK31 *DOESN'T* work in this mode.

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sun, 23 Sep 2007 15:14:59 +0300
Subject: Re: [eu-amsat] F3ZD / AO-7

.... Thomas,

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Power budget, is that the PSK31 "pushing"
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for example between 5 - 50 Watts
and thus always looking for the best, clear and
non distorted downlink signal by
keeping the output Low enough,
and (if) he is very careful
man and knowledgeable operator, yes, he could be tried,
why not.
Especially when the AO-7 is lonely,
without any other user.

73,
Mak SV1BSX

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> OK, Thanks Mak and John. Would it be
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> 73
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> Thomas Frey, HB9SKA
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-6, 09/22/2007
Tested on: 9/23/2007 15:15:05
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911. K3SZH / AO-7

Yahoo group: eu-amsat
Date: 2007-09-23 14:03:38 UTC
From: SV1BSX
Topic: 911 Message: 911

Hi again,

well, just 2 days before I wrote about 3000 entries of Henri, F3ZD into Emily's AO-7 Log and today I noticed that another record took place:

4000 entries, by Joe K3SZH ! (http://www.planetemily.com/ao7/ao7log.php)

Congratulations to Joe !

He he... great competition on AO-7! The "Grand Old Lady" should be very proud... after 33 years she is
active, healthy, beautiful and extremely attractive among Hams !

Like the old, good French wine !

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-6, 09/22/2007
Tested on: 9/23/2007 17:03:57
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

912. UO-11 active again !

Yahoo group: eu-amsat
Date: 2007-09-23 17:45:36 UTC
From: Thomas Frey
Topic: 912 Message: 912

Hello All

UO-11 is active again ! I heard the beacon at 145.825 MHz (+-) until
17:40 UTC.

Mit freundlichen Gr?ssen, Regads, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

913. Re: [eu-amsat] UO-11 active again !

Yahoo group: eu-amsat
Date: 2007-09-23 18:18:22 UTC
From: SV1BSX
Topic: 912 Message: 913

...good job Thomas ! I will try to listen that on next passes.

BTW, did you share your reception report with G3CWV ? he will be very happy with your good news.

Email: G3CWV@...

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, September 23, 2007 20:45
Subject: [eu-amsat] UO-11 active again !

> Hello All
>
> UO-11 is active again ! I heard the beacon at 145.825 MHz (+-) until
> 17:40 UTC.
>
>
>
> Mit freundlichen Gr?ssen, Regads, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000775-6, 09/22/2007
> Tested on: 9/23/2007 21:07:23
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
>

>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-6, 09/22/2007
Tested on: 9/23/2007 21:18:26
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

914. AO-51 mode requests for October

Yahoo group: eu-amsat
Date: 2007-09-24 18:42:48 UTC
From: Andrew Glasbrenner
Topic: 914 Message: 914

It's that time again! If you have any requests for the month of October, please submit them to ao51-modes@... as soon as possible. We already have several requests for the month, but will try to accommodate every one, as always.

73, Drew KO4MA

915. Mode request

Yahoo group: eu-amsat
Date: 2007-09-24 19:23:59 UTC
From: Thomas Frey
Topic: 915 Message: 915

Please Mode L/U without Mode V/U, if possible during the whole October.
With mode V/U you have a "zoo" in your loudspeaker or headphone.
Thank you very much.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

916. Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-24 21:47:15 UTC
From: SV1BSX
Topic: 915 Message: 916

...U/S is also an interesting Mode. After AO-40's lost, my S-band gear has
a lot of rust.

73, Mak SV1BSX

----- Original Message -----
Subject: [eu-amsat] Mode request

> Please Mode L/U without Mode V/U, if possible during the whole October.
> With mode V/U you have a "zoo" in your loudspeaker or headphone.
> Thank you very much.
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000775-6, 09/22/2007
Tested on: 9/25/2007 00:47:20
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

917. Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-24 23:29:45 UTC
From: Thomas Frey
Topic: 915 Message: 917

SV1BSX schrieb:
> ...U/S is also an interesting Mode. After AO-40's lost, my S-band gear has
> a lot of rust.
>
> 73, Mak SV1BSX
>
>
>
Has AO-51 enough power for the S-downlink ? I hear allways nothing
on S with my 1.2 m dish. Indeed I have the dish under and not on
the roof. The feeders are LHCP-helices for 23cm and 13cm. On 23cm I can
chat with 15 W PEP with my Icom IC-1271E. With a 13cm signal generator
I have a big signal, but not from a satellite. The last satellite
I could hear on 13cm was UO-11.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

918. Re: [SPAM] Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 00:31:38 UTC
From: Andrew Glasbrenner
Topic: 915 Message: 918

Thomas, AO-51's S band downlink is huge. I routinely work it with a dipole and corner reflector. See http://www.pbase.com/tomcat/image/43947505 and the next few pictures for how simple the equipment can be.

Mak, I'm afraid we cannot run U/S. If the satellite was to have a software fault or watchdog trip (low battery, etc) the 435.150 transmitter powers back up by design and could blow the front end of the SQRX receiver.

73, Drew KO4MA

----- Original Message -----
From: Thomas Frey
To: eu-amsat@yahoogroups.com
Sent: Monday, September 24, 2007 7:29 PM
Subject: [SPAM] Re: [eu-amsat] Mode request

SV1BSX schrieb:
> ...U/S is also an interesting Mode. After AO-40's lost, my S-band gear has
> a lot of rust.
>
> 73, Mak SV1BSX
>
>
>
Has AO-51 enough power for the S-downlink ? I hear allways nothing
on S with my 1.2 m dish. Indeed I have the dish under and not on
the roof. The feeders are LHCP-helices for 23cm and 13cm. On 23cm I can
chat with 15 W PEP with my Icom IC-1271E. With a 13cm signal generator
I have a big signal, but not from a satellite. The last satellite
I could hear on 13cm was UO-11.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

919. Re: [SPAM] Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 08:31:51 UTC
From: SV1BSX
Topic: 915 Message: 919

..OK Drew, no problem, excluding V/U anything else is welcome .

Thanks again

73, Mak SV1BSX

----- Original Message -----
From: Andrew Glasbrenner
To: eu-amsat@yahoogroups.com
Sent: Tuesday, September 25, 2007 03:31
Subject: Re: [SPAM] Re: [eu-amsat] Mode request

Mak, I'm afraid we cannot run U/S. If the satellite was to have a software fault or watchdog trip (low battery, etc) the 435.150 transmitter powers back up by design and could blow the front end of the SQRX receiver.

73, Drew KO4MA

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000776-1, 09/24/2007
Tested on: 9/25/2007 11:31:55
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

920. Re: [SPAM] Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 11:26:55 UTC
From: Thomas Frey
Topic: 915 Message: 920

SV1BSX schrieb:
> ..OK Drew, no problem, excluding V/U anything else is welcome .
>
> Thanks again
>
> 73, Mak SV1BSX
>
Ah, "excluding V/U" - I'm not alone :-). I explained Drew our European situation in a direct mail. The only solution would be to switch CTCSS on again and that we are users and no detectives, who investigate jammers. In future we can use (I will) this group to report the passes of AO-51.

Off topic: About [SPAM] in the mail header: my address is disregarded by real spammers and a few american ISP's puttet it on a black list. I have a 2nd address and would change to it in the near future.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

921. Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 15:25:59 UTC
From: SV1BSX
Topic: 915 Message: 921

Hi all,

dr Thomas, definitely we are not just YOU & ME "negative" about AO-51's V/U-Mode over Europe, I have heard dozens operators with the same opinion.

You pointed-out the use of CTCSS again. As I remember (Am I wrong?), it was not better with use of subtone. In contrast, I remember that during V/S Mode the jamming was ZERO (... & without CTCSS).

So, here we have a "strange" question:

why if used a different Downlink-Band than UHF the jamming is minimized even if the Uplink remains on VHF ??

Well, at my opinion, the jamming happens on V/U Mode just because the majority of "future" Satellite operators have easily access on these Bands, because of nowadays VHF-UHF Bands are available into any cheap Dual-band FM-transceiver .

And there are not just the future operators which they trying the AO-51 by pushing the PTT.... there are also
several "rookies" which they trying also to access the Satellite - even if they can't hear their own signal on Downlink.
They are confused because some signal is always audible on Downlink, always a carrier is "ON". They are without experience and just wait to hear their own voice on Downlink. Always by pushing again & again the PTT.
Unfortunately, FM is very common Mode today, so it's very easy for anyone to buy a cheap FM-transceiver for VHF-UHF Bands, including illegal operators, in order to generate jumming.

But, when the Downlink changes to L-Band (or S-band), the situation is completely different.
Here just a limited number of Radio Amateur operators they have L-Band transceivers and good enough antennas for Satellite access (and the necessary knowledge about SHF).
And the difficulties are bigger, the equipment is much more difficult on S-band, where only the old-users of (deadly now) AO-40 they have S-band capabilities .

So, it's obvious for me why the jamming is eliminated when the AO-51 changes Downlink-band on L or S-Band -even if the Uplink remains to VHF-band without CTCSS.
All these peoples, "rookies", "deaf peoples" about Downlink etc, THEY CAN NOT hear the Satellite on L or S-Band and for this reason they don't push their own PTT.

Of course, in your favorite Mode (L/U) the Downlink is audible from all these peoples on UHF-band, but in this case they haven't L-band TX to ...push PTT ! Fortunately for us !

Conclusion: the jamming on AO-51 over Europe can be prevented if used the VHF-band as Uplink or Downlink, but NEVER together with UHF Band.

Prefered Modes are V/L, V/S. Also L/U has not problem, as above mentioned (I think S/U & S/V are not possible, and definitely U/S as Drew, KO4MA pointed-out before).

Just my "2 cents worth".

73, Mak SV1BSX

Email: sv1bsx@yahoo.gr
URL : http://sv1bsx.50webs.com

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, September 25, 2007 14:26
Subject: Re: [SPAM] Re: [eu-amsat] Mode request

> SV1BSX schrieb:
>> ..OK Drew, no problem, excluding V/U anything else is welcome .
>>
>> Thanks again
>>
>> 73, Mak SV1BSX
>>
> Ah, "excluding V/U" - I'm not alone :-). I explained Drew our European
> situation in a direct mail. The only solution would be to switch CTCSS
> on again and that we are users and no detectives, who investigate
> jammers. In future we can use (I will) this group to report the passes
> of AO-51.
>
> Off topic: About [SPAM] in the mail header: my address is disregarded
> by real spammers and a few american ISP's puttet it on a black list.
> I have a 2nd address and would change to it in the near future.
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
>
> Yahoo! Groups Links
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>
>
>
> ---
> avast! Antivirus: Inbound message clean.

> Virus Database (VPS): 000776-1, 09/24/2007
> Tested on: 9/25/2007 15:10:58
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000776-1, 09/24/2007
Tested on: 9/25/2007 18:26:42
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

922. Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 16:14:57 UTC
From: Andrew Glasbrenner
Topic: 915 Message: 922

Mak,

I agree with much of your last email as to the sources of problems. However, it would be extremely elitist and selfish to discontinue V/U just so the relatively fewer L and S band ops can play at their leisure, with less competition for the uplink. Those members and supporters deserve to have a satellite they can use with their equipment as much as anyone else, don't they? AO-51 was promoted as a "easysat" meaning simple V/U FM equipment, and it has fulfilled that role. The other capabilities are more or less a bonus. I have done my best to include them as much as practical, but they will not become the primary modes. It simply would not be right.

By the way, L band cannot be used as a amateur satellite downlink. AO-51 can run V/U, L/U, V/S, and L/S and nothing more.

73, Drew KO4MA

923. Re: [eu-amsat] Mode request

Yahoo group: eu-amsat
Date: 2007-09-25 16:29:09 UTC
From: Thomas Frey
Topic: 915 Message: 923

SV1BSX schrieb:
> Hi all,
>
> dr Thomas, definitely we are not just YOU & ME "negative" about
> AO-51's V/U-Mode over Europe, I have heard dozens operators with the
> same opinion.
>
> You pointed-out the use of CTCSS again. As I remember (Am I
> wrong?), it was not better with use of subtone. In contrast, I
> remember that during V/S Mode the jamming was ZERO (... & without CTCSS).
OK, this is an argument. But fact is also, since the CTCSS (subtone) is
switched off, we have addionally russian phone-nets with bla-bla on the
downlink. And the QRM increases steadily without CTCSS. On the other hand
I heard also new OM's from Russia. But this is only a drop of water on a
hot stone (German adage).

>
> So, here we have a "strange" question:
>
> why if used a different Downlink-Band than UHF the jamming is
> minimized even if the Uplink remains on VHF ??
On V/S we have another uplink channel, this could help.

>
> Well, at my opinion, the jamming happens on V/U Mode just because the
> majority of "future" Satellite operators have easily access on these
> Bands, because of nowadays VHF-UHF Bands are available into any cheap
> Dual-band FM-transceiver .
>
> And there are not just the future operators which they trying the
> AO-51 by pushing the PTT.... there are also
> several "rookies" which they trying also to access the Satellite -
> even if they can't hear their own signal on Downlink.
> They are confused because some signal is always audible on Downlink,
> always a carrier is "ON". They are without experience and just wait to
> hear their own voice on Downlink. Always by pushing again & again the PTT.
> Unfortunately, FM is very common Mode today, so it's very easy for
> anyone to buy a cheap FM-transceiver for VHF-UHF Bands, including
> illegal operators, in order to generate jumming.
>
> But, when the Downlink changes to L-Band (or S-band), the situation
> is completely different.
We have only uplink on L-Band. A further solution would be to experiment and
change the uplink-frequency.

> Here just a limited number of Radio Amateur operators they have L-Band
> transceivers and good enough antennas for Satellite access (and the
> necessary knowledge about SHF).
> And the difficulties are bigger, the equipment is much more difficult
> on S-band, where only the old-users of (deadly now) AO-40 they have
> S-band capabilities .
>
> So, it's obvious for me why the jamming is eliminated when the
> AO-51 changes Downlink-band on L or S-Band -even if the Uplink remains
> to VHF-band without CTCSS.
> All these peoples, "rookies", "deaf peoples" about Downlink etc,
> THEY CAN NOT hear the Satellite on L or S-Band and for this reason
> they don't push their own PTT.
See my explanations above.

>
> Of course, in your favorite Mode (L/U) the Downlink is audible from
> all these peoples on UHF-band, but in this case they haven't L-band TX
> to ...push PTT ! Fortunately for us !
No, the jammers jams simplex on 2m. The OM's without ears and a big mouth
or yap are crocodiles, like in the old AO-10/13 days.

>
> Conclusion: the jamming on AO-51 over Europe can be prevented if used
> the VHF-band as Uplink or Downlink, but NEVER together with UHF Band.
No sorry, this is a wrong conclusion. If the jammer jams on the uplink
which corresponds to L- or S-downlink, then you have the QRN there.

>
> Prefered Modes are V/L, V/S. Also L/U has not problem, as above
> mentioned (I think S/U & S/V are not possible, and definitely U/S as
> Drew, KO4MA pointed-out before).
>
> Just my "2 cents worth".
>
>
> 73, Mak SV1BSX
>
>
> Email: sv1bsx@... <mailto:sv1bsx@...>
> URL : http://sv1bsx.50webs.com
>
>
>
Another interesting mode is also 29 MHz (10m) up and 70cm down in
PSK31 or CW for the CWist. I would prefer PSK31. There are so many
possibilities to experiment with AO-51. Why only V/U repeating ?

Drew, why not a week with mode X, mode Y, mode Z and so on ? At
weekends the controlstations has allways time to switch. My 2 Cents.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

924. Re: QRM and misuse of frequencies over Europe

Yahoo group: eu-amsat
Date: 2007-09-25 16:51:40 UTC
From: Thomas Frey
Topic: 924 Message: 924

Andrew Glasbrenner schrieb:
>
>>>
>>>
>> Why do you want to identify known problems ? I can not understand
>> this argument.
>>
>>
> Ham radio is self-policing. I have recorded and identified multiple QRM sources here in the US and have had them shut down or moved. We will continue to do this on a worldwide basis whether you participate or not.
>
>
>>>
>>>
>> Voila, you know the problems. Its a long time since we have this
>> QRM and I'm sure, the local authorities are informed. This would
>> be the solution of the problems, or not.
>>
>
> QRM is not a static situation, and sources come and go. Again, the tone does NOT prevent these QRM signals from blocking weak user uplinks. The only solution is the removal of the source.
>
>
I agree with you until this point.

>> I can only repeat me: PLEASE SWITCH CTCSS ON AGAIN !! I'm credited
>> with a limited period of none CTCSS to investigate further problems
>> to report to the authorities. It can not be, that we users are afflicted
>> with QRM and bla-bla because of a misunderstud "investigation".
>>
>
> There are many reasons the tone was discontinued, all of which I have discussed in past threads on AMSAT-bb. Let me make this as clear as I can. Thank you for your input, but the tone will remain off.
>
> 73, Drew KO4MA
>
>
>
>
>
If you are not ready for a compromise, I am, then AMSAT-NA has to
declare AO-51 as investigative satellite for no room for European

amateurs. This has also nothing to do with ham spirit.

PS: this mail goes also CCed to EU-AMSAT.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

925. Re: QRM and misuse of frequencies over Europe

Yahoo group: eu-amsat
Date: 2007-09-25 17:38:06 UTC
From: Andrew Glasbrenner
Topic: 924 Message: 925

>If you are not ready for a compromise, I am, then AMSAT-NA has to
>declare AO-51 as investigative satellite for no room for European
>amateurs. This has also nothing to do with ham spirit.
>

That is a ridiculous statement. I've explained the reasoning behind the decision, as has OZ1MY, who is the European representative to the AO51 committee. We do not run the satellite based on the demands of one operator in one region, and we will not exclude hundreds of users worldwide because you don't want to hear any QRM or competition on the satellite. We have to make these decisions based on what's best for the most users worldwide, and obviously we cannot please everyone at once.

Unless there is some new "evidence" or thinking presented, I've spent enough time on this particular subject.

73, Drew KO4MA

926. AO-51 modes.

Yahoo group: eu-amsat
Date: 2007-09-25 21:24:13 UTC
From: John Hackett
Topic: 926 Message: 926

Hi Mak & Thomas,
As much as I 'personally' disagree with FM satellites ... due to the single user phenomonen (capture effect)
... I do agree with the points Drew made in his mail.

There are a *LOT* of operators with simple gear and little experience out there and it 'would' be elitist and selfish if the more experienced among us demanded that AO-51 be switched to modes favouring the 'experienced' operator only.

As for the poor standard of operating ... (this is why I loathe FM saterllites) ... It's up to the experienced operators to teach the newcomers by examples of good operating proceedure.

Drill in the main points over and over again ... like 'NEVER' more uplink than the beacon (where available) and *DO NOT* transmit until you can't receive adequately.

There are several well written operating proceedure notes and articles for operating FM satellites like AO-51. A pity that some people just ignore them ... but that is a fact of life. We can only teach by example and hope that the situation improves ... try to bring the 'pride' back into satellite operating ... with the *gentleman's' aproach.

Remember !!! ... IGNORE the poor operators and they will get tired and move on. It's only when they get 'attention' that they persist in their games.

The 'genuine' newcomer will soon learn if he's encouraged ...
the LIDS will never learn ... just ignore them.

73 John. <la2qaa@...>

927. Re: [eu-amsat] AO-51 modes.

Yahoo group: eu-amsat
Date: 2007-09-25 23:40:45 UTC
From: Thomas Frey
Topic: 926 Message: 927

John Hackett schrieb:
> Hi Mak & Thomas,
> As much as I 'personally' disagree with FM
> satellites ... due to the single user phenomonen (capture effect)
> ... I do agree with the points Drew made in his mail.
>
> There are a *LOT* of operators with simple gear and little experience
> out there and it 'would' be elitist and selfish if the more
> experienced among us demanded that AO-51 be switched to modes
> favouring the 'experienced' operator only.
>
> As for the poor standard of operating ... (this is why I loathe FM
> saterllites) ... It's up to the experienced operators to teach the
> newcomers by examples of good operating proceedure.
>
> Drill in the main points over and over again ... like 'NEVER' more
> uplink than the beacon (where available) and *DO NOT* transmit until
> you can't receive adequately.
>
> There are several well writt en operating proceedure notes and
> articles for operating FM satellites like AO-51. A pity that some
> people just ignore them ... but that is a fact of life. We can only
> teach by example and hope that the situation improves ... try to
> bring the 'pride' back into satellite operating ... with the
> *gentleman's' aproach.
>
> Remember !!! ... IGNORE the poor operators and they will get tired and
> move on. It's only when they get 'attention' that they persist in
> their games.
>
> The 'genuine' newcomer will soon learn if he's encouraged ...
> the LIDS will never learn ... just ignore them.
>
> 73 John. <la2qaa@...>
>
Gentlemen

Our problem is NOT the poor operation ! We have a problem of jammers
like russian telephone-nets, taxis and other stuff on 2m ! Tell me
the solution please, that we can have our QSO's again. Now it is
nearly impossible to talk via AO-51 in V/U. Thank you.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

928. RE: [eu-amsat] AO-51 modes.

Yahoo group: eu-amsat
Date: 2007-09-26 07:54:19 UTC
From: John Hackett
Topic: 926 Message: 928

Point taken Thomas.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@tiscalinet.ch
Date: Wed, 26 Sep 2007 01:40:45 +0200
Subject: Re: [eu-amsat] AO-51 modes.

John Hackett schrieb:

> Hi Mak & Thomas,

> As much as I 'personally' disagree with FM

> satellites ... due to the single user phenomonen (capture effect)

> ... I do agree with the points Drew made in his mail.

>

> There are a *LOT* of operators with simple gear and little experience

> out there and it 'would' be elitist and selfish if the more

> experienced among us demanded that AO-51 be switched to modes

> favouring the 'experienced' operator only.

>

> As for the poor standard of operating ... (this is why I loathe FM

> saterllites) ... It's up to the experienced operators to teach the

> newcomers by examples of good operating proceedure.

>

> Drill in the main points over and over again ... like 'NEVER' more

> uplink than the beacon (where available) and *DO NOT* transmit until

> you can't receive adequately.

>

> There are several well writt en operating proceedure notes and

> articles for operating FM satellites like AO-51. A pity that some

> people just ignore them ... but that is a fact of life. We can only

> teach by example and hope that the situation improves ... try to

> bring the 'pride' back into satellite operating ... with the

> *gentleman's' aproach.

>

> Remember !!! ... IGNORE the poor operators and they will get tired and

> move on. It's only when they get 'attention' that they persist in

> their games.

>

> The 'genuine' newcomer will soon learn if he's encouraged ...

> the LIDS will never learn ... just ignore them.

>

> 73 John. <la2qaa@...>

>

Gentlemen

Our problem is NOT the poor operation ! We have a problem of jammers

like russian telephone-nets, taxis and other stuff on 2m ! Tell me

the solution please, that we can have our QSO's again. Now it is

nearly impossible to talk via AO-51 in V/U. Thank you.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

929. Re: [eu-amsat] AO-51 modes.

Yahoo group: eu-amsat
Date: 2007-09-26 14:17:57 UTC
From: SV1BSX
Topic: 926 Message: 929

Gentlemen,

I read all these about "Elit, Elitist" etc. from your side, and I am a little-bit surprised.

Sorry but, I have a different point of view.

* "Elitist" for me is anyone which uses 1-2 KW ERP in order to work this bird on V/U FM-mode by "beating, erasing & killing" all weak stations, rookies, simple gear and little experience operators. That is for me the real ELIT... and unfortunately exactly that happens several times over Europe on AO-51 (aka "EASYSAT" !!!... How ironic, indeed).

* "Elitist" is If you have a "monster-type" antenna system and high enough power, in order to access the Satellite any time, over any other weaker station.

If you have not the above mentioned, just forget it... no lucky for rookies. Or, you have to wait for the pass... in the middle of the night, when the "Goliath" is going for sleep... and thus, the "bantam David" is looking for a better luck with his tiny "Arrow" and handheld's 5 Watts !

* But it is not "Elitist" for me to switch-on the Satellite on a higher Band than V & U.

* It is not "Elitist" the encouragement of Satellite operators -especially the rookies, to involve with new things, higher frequencies etc, if that is necessary for better and easier Satellite communication.
If they havn't the L or S-band gear, it's a great opportunity to get into that.
It's a challenge that, nothing to do with ELIT. In order to explore new things, new techniques, antennas and "new worlds" from rookies's side.

Do you remember the AO-40? Had we any experience before AO-40 on S-band many of us?

NOooooo...

but it was a great challenge for all, including rookies (and I was also a "rookie" on AO-40 about 2.4 GHz).
And through AO-40 we explored a new Band, we learned about too many new things, and really we enjoyed it.

That is not "Elitist", it's our hobby.

So, who is talking here about "ELIT" ? ...

73, Mak SV1BSX

PS: BTW Gentlemen, I didn't say "shut-down" the V/U-Mode on AO-51. I said "prefered" Modes for Europe , as my personal opinion-suggestion to "Mode Request" ....with a footnote (if you didn't read that) : "just my 2 cents worth"

So, too much dust on the air.... for nothing, I think. And honestly, I will never involve with that again.

Cheers

---
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Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/26/2007 17:18:01
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http://www.avast.com

930. AO-7/A: for better signals...

Yahoo group: eu-amsat
Date: 2007-09-26 18:46:57 UTC
From: SV1BSX
Topic: 930 Message: 930

Hi all,

this evening I was calling CQ CW on Oscar-7, Mode-A (@ 29450) and also I was looking for any other user, between 29940 - 55 KHz.
My signal on 29450 it was decreasing, almost to Zero, even if the Sat was high enough. It was a very weak pass.
Then I remembered the "noise zone effect" which happens on Mode-B, so I jumped to 29440, where the noise was
much stronger. I retuned my Uplink, I sent again several dashes & dots and ...Voila ! My signal was 559 here !
I jumped again to 29450, I sent dots & dashes... NOTHING here !
Back again to 29440 where the noise was strong, once again my signal on Downlink was 559 !

So, it's obvious that the "noise zone effect" lives also here, in Mode-A. Just keep in mind.
It is smart to try CQ on CW at this frequency (29438 - 29445) and not on the Middle PassBand (29450).

Enjoy Mode-A !

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/26/2007 21:47:02
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

931. Re: [eu-amsat] AO-7/A: for better signals...

Yahoo group: eu-amsat
Date: 2007-09-26 19:49:47 UTC
From: SV1BSX
Topic: 930 Message: 931

Oups ! Sorry, on my previous Email I wrote :

-"I was looking for any other user, between 29940 - 55 KHz...."

Of course I mean 29440 - 29455 (and not 29940 !)

Wrong typeset !

----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Wednesday, September 26, 2007 21:46
Subject: [eu-amsat] AO-7/A: for better signals...

Hi all,

this evening I was calling CQ CW on Oscar-7, Mode-A (@ 29450) and also I was looking for any other user, between 29940 - 55 KHz.
My signal on 29450 it was decreasing, almost to Zero, even if the Sat was high enough. It was a very weak pass.
Then I remembered the "noise zone effect" which happens on Mode-B, so I jumped to 29440, where the noise was
much stronger. I retuned my Uplink, I sent again several dashes & dots and ...Voila ! My signal was 559 here !
I jumped again to 29450, I sent dots & dashes... NOTHING here !
Back again to 29440 where the noise was strong, once again my signal on Downlink was 559 !

So, it's obvious that the "noise zone effect" lives also here, in Mode-A. Just keep in mind.
It is smart to try CQ on CW at this frequency (29438 - 29445) and not on the Middle PassBand (29450).

Enjoy Mode-A !

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---

avast! Antivirus: Outbound message clean.

Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/26/2007 21:47:02
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---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/26/2007 22:22:40
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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/26/2007 22:49:51
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http://www.avast.com

932. Re: [eu-amsat] AO-7/A: for better signals...

Yahoo group: eu-amsat
Date: 2007-09-26 20:06:26 UTC
From: Thomas Frey
Topic: 930 Message: 932

SV1BSX schrieb:
> Oups ! Sorry, on my previous Email I wrote :
>
> -"I was looking for any other user, between 29940 - 55 KHz...."
>
> Of course I mean 29440 - 29455 (and not 29940 !)
>
> Wrong typeset !
>
>
>
> ----- Original Message -----
>
> *From:* SV1BSX <mailto:sv1bsx@...>
> *To:* eu-amsat@yahoogroups.com <mailto:eu-amsat@yahoogroups.com>
> *Sent:* Wednesday, September 26, 2007 21:46
> *Subject:* [eu-amsat] AO-7/A: for better signals...
>
> Hi all,
>
> this evening I was calling CQ CW on Oscar-7, Mode-A (@ 29450)
> and also I was looking for
> any other user, between 29940 - 55 KHz.
> My signal on 29450 it was decreasing, almost to Zero, even if the
> Sat was high enough. It was a very weak pass.
> Then I remembered the "noise zone effect" which happens on
> Mode-B, so I jumped to 29440, where the noise was
> much stronger. I retuned my Uplink, I sent again several dashes &
> dots and ...Voila ! My signal was 559 here !
> I jumped again to 29450, I sent dots & dashes... NOTHING here !
> Back again to 29440 where the noise was strong, once again my
> signal on Downlink was 559 !
>
> So, it's obvious that the "noise zone effect" lives also here,
> in Mode-A. Just keep in mind.
> It is smart to try CQ on CW at this frequency (29438 - 29445) and
> not on the Middle PassBand (29450).
>
> Enjoy Mode-A !
>
> 73, Mak SV1BSX
>
>
>
Hello Mak

You made very interesting observations. AO-7 has the only linear-transponder with 2m-uplink. Can you make a "frequency-map" over the whole passband and on different locations of AO-7 ? This would be a very interesting study.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

933. Re: [eu-amsat] UO-11 active again !

Yahoo group: eu-amsat
Date: 2007-09-27 16:16:42 UTC
From: SV1BSX
Topic: 912 Message: 933

....I also heard this afternoon the UO-11 (@ 145825), but the beacon was intermittent.

Next asceding pass over Europe ~17.15 Z, with very high Elevation.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, September 23, 2007 20:45
Subject: [eu-amsat] UO-11 active again !

> Hello All
>
> UO-11 is active again ! I heard the beacon at 145.825 MHz (+-) until
> 17:40 UTC.
>
>
>
> Mit freundlichen Gr?ssen, Regads, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000775-6, 09/22/2007
> Tested on: 9/23/2007 21:07:23
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
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>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/27/2007 19:16:46
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http://www.avast.com

934. Amateur Sat's by Amsat-DL (moovie)

Yahoo group: eu-amsat
Date: 2007-09-27 19:52:33 UTC
From: SV1BSX
Topic: 934 Message: 934

Hi all,

I found (randomly) on YouTube a nice video.
It's a presentation for Amateur Satellites, not new (2004) and mainly for P5-A, but including
also a very interesting part about Phase-3 Sat's. The best I have ever seen.

http://www.youtube.com/watch?v=iIJ548EyUME

73, Mak SV1BSX

PS: of course you need a broandband Internet connection, its about 10 mins.

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/27/2007 22:52:39
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

935. Re: [eu-amsat] Amateur Sat's by Amsat-DL (moovie)

Yahoo group: eu-amsat
Date: 2007-09-27 21:03:49 UTC
From: Thomas Frey
Topic: 934 Message: 935

SV1BSX schrieb:
> Hi all,
>
> I found (randomly) on YouTube a nice video.
> It's a presentation for Amateur Satellites, not new (2004) and mainly
> for P5-A, but including
> also a very interesting part about Phase-3 Sat's. The best I have ever
> seen.
>
> http://www.youtube.com/watch?v=iIJ548EyUME
>
>
> 73, Mak SV1BSX
>
> PS: of course you need a broandband Internet connection, its about 10
> mins.
>
>
Mak - SUPER ! This video was unknown for me as AMSAT-DL-member until
yet. But what are you meaning with "not new (2004)" ? The video was
added at *September 13, 2007.*

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

936. Re: [eu-amsat] Amateur Sat's by Amsat-DL (moovie)

Yahoo group: eu-amsat
Date: 2007-09-27 21:55:24 UTC
From: SV1BSX
Topic: 934 Message: 936

...yes, right Thomas. It's uploaded 13-9-2007.

However, I read on the last "frame" of video:

"AMSAT-DL 2004"

I don't know more details...

73, Mak SV1BSX

> Mak - SUPER ! This video was unknown for me as AMSAT-DL-member until
> yet. But what are you meaning with "not new (2004)" ? The video was
> added at *September 13, 2007.*
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> SV1BSX schrieb:
>> Hi all,
>>
>> I found (randomly) on YouTube a nice video.
>> It's a presentation for Amateur Satellites, not new (2004) and mainly
>> for P5-A, but including
>> also a very interesting part about Phase-3 Sat's. The best I have ever
>> seen.
>>
>> http://www.youtube.com/watch?v=iIJ548EyUME
>>
>>
>> 73, Mak SV1BSX
>>
>> PS: of course you need a broandband Internet connection, its about 10
>> mins.
>>
>>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/28/2007 00:55:28
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http://www.avast.com

937. AO-7 mode-A

Yahoo group: eu-amsat
Date: 2007-09-28 06:58:29 UTC
From: John Hackett
Topic: 937 Message: 937

Hello Folks,
Makis does appear to be correct ... (stand up! that man who moaned "again!") ... about mode-A on AO-7.

I have the worst possible QTH ... (mis-placed and ill-designed mountains) ... and a less than optimum 10m aerial ... 14Mhz sloping "v" nailed to the top of the landlord's balcony door (!) ... about 5m above ground ... this will "theoretically" produce a "fat" dohnut radiation pattern with 4 x lobes at 30 and 45 degrees ... (vertical radiation angle) ... and since a transmitting and receiving aerial are reciprocal this "beast" ought to grab the odd electron or three as they whiz past the 'electron-grabber' on 29.450Mhz.

Actually, it does ... I heard my own downlink at S4 for the entire pass ...(transmitting with 7 watts from a 20 year old FT-290RII ... -3dB coax loss ... feeding a Wimo X-quad on 145.900Mhz) ... however, I might as well have emulated Roy Orbison's "Only The Lonely".

I would have thought 'somebody' in Russia might have a 2m transmitter and 10m receiver. 06:30 is 09:30 in Mocba (Moscow).

73 John. <la2qaa@...>

938. Fw: OSCAR-11 Report

Yahoo group: eu-amsat
Date: 2007-09-28 11:02:20 UTC
From: SV1BSX
Topic: 938 Message: 938

OSCAR-11 REPORT

27 September 2007

OSCAR-11 is back! During the period 31 August to 27 September 2007, the satellite's 145.826 MHz. beacon has been heard from 16 to 26 September. The switch-on date was later than expected. The solar eclipses finished on 20 August, and previous observations had suggested that the duration of sunlight after 10 August would be sufficient to support continuous operation. However, at the end of last year's eclipse season, some erratic behaviour was also observed.

Unfortunately I was away on holiday when the satellite first switched ON, and only received the data on last two days of transmission. Signals were weaker than those received earlier in the year, ie. before the eclipse season. This has been confirmed by the many reports I have received.

The on-board clock has continued to be of interest. At the end of this ON period the clock was 69.43451 days slow, showing a loss of about 31 days since the previous ON period. The day of the week counter appears to be consistant with the date on the satellite, but has changed in relation to the actual date. Previously, 0 represented Thursday, now it represents Monday.

If the satellite's watchdog timer continues to operate normally, the beacon should switch ON around 06 October 2007.

I am indebted to Peter ZL3TC, Ken W7KKE, Dave G1OCN, Jef KB2M, Graham G3VZV, Martin M0ADY, Gustavo LW2DTZ, John N7ZL, John N3NKC and Thomas HB9SKA for their reports. They were especially useful while I have been away. Many thanks.

The satellite is now in continuous sunlight and this will continue until around 14 November, when there will be a short eclipse season, lasting until around 07 January. However the maximum duration of the eclipses will only be about seven ninutes. At this level the satelite might just survive.

The current status of the satellite, is that all the analogue telemetry channels, 0 to 59 are zero, ie they have failed. The status channels 60 to 67 are still working. The real time clock is showing a large accumulated error, although over short periods timekeeping is accurate to a few seconds per month. The day of the month has a bit stuck at 'one' so the day of the month may show an error of +40 days for some dates. The time display has switched into 12 hour mode. Unfortunately, there is no AM/PM indicator, since the time display format was designed for 24 hour mode. More data is required to determine exactly when the date changes.

The spacecraft computer and active attitude control system have switched OFF, ie. the satellite' attitude is controlled only by the passive gravity boom gradient, and the satellite is free to spin at any speed. When telemetry was last received it showed that one of the solar arrays had failed, and there was a large unexplained current drain on the main 14 volt bus. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

The watchdog timer now operates on a 20 day cycle. The ON/OFF times have tended to be very consistent. The average of many observations show this to be 20.7 days, ie. 10.3 days ON followed by 10.4 days OFF. However, poor solar attitude may result may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle. When this occurs, the beacon is OFF for 20.7 days.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website. If you need to know what OSCAR-11 should sound like, there is a short audio clip for you to hear. The website contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT137.CWV, to prevent duplication.

73 Clive G3CWV xxxxx@... (please replace xxxxx by g3cwv)
_____

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 9/28/2007 14:02:24
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http://www.avast.com

939. Re: [eu-amsat] Amateur Sat's by Amsat-DL (moovie)

Yahoo group: eu-amsat
Date: 2007-09-28 11:12:45 UTC
From: Thomas Frey
Topic: 934 Message: 939

SV1BSX schrieb:
> ...yes, right Thomas. It's uploaded 13-9-2007.
>
> However, I read on the last "frame" of video:
>
> "AMSAT-DL 2004"
>
Ah yes, I see it in the replay.

> I don't know more details...
>
I forgot this video. It was produced 2004 from DG1OWK for presentations
at fairs and ham fests. You can order a CD for only 5 Euro:
http://www.me-blanz.de/amsat/vertrieb/literat.htm

The CD is in SVCD-format so you can play it on your PC or on a DVD-recorder.
There are an Englisch and German version on the CD. For French you have order
it separatly. If you want only 1 CD, put 5 Euro in a SASE and send it to
Martin Blanz, DL9SAD. Address see QRZ.COM.

> 73, Mak SV1BSX
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

940. Balloon launch for Sputnik jubilee

Yahoo group: eu-amsat
Date: 2007-09-29 15:17:40 UTC
From: Thomas Frey
Topic: 940 Message: 940

Hello All

The radio amateurs from the "Sternwarte Bochum" (observatory of Bochum Germany) will launch a weather-balloon with a 2m transmitter. On 145.200 MHz in FM it would transmit the callsign DA0SPUTNIK and the historic signals from Sputnik. The power is 1 Watt in a whip (or similar) antenna.

If the balloon rises to an altitude of 25 km it could be heard in whole Central Europe. The launch is on 4. October at 00.00 MESZ or 3. October 22:00 UTC from Bochum, JO31ok. The duration of the mission would be 3 to 24 hours.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

941. AO-27 scheduler

Yahoo group: eu-amsat
Date: 2007-09-30 22:18:28 UTC
From: John Hackett
Topic: 941 Message: 941

AO-27.

Easysat ? ... right !!!l.

I've been trying (unsuccessfully) to figure out how to tell when the AO-27 transmitter is switched on over my QTH ... (Frei Island JP33WB) ... or not.

Of course, any tracking program tells me *WHEN* the satellite is over my QTH but tracking programs don't tell me whether the transmitter is switched on or not.

The AO-27 scheduler supposedly does this ... the only problem is
... I find it thoroughly confusing.

The passes (according to any tracking program with the latest keps) and the AO-27 scheduler don't seem to agree ... (me'thinks John is doing something wrong !!!) ... or ... from the scheduler I can see if the transmitters are on (or not) when the satellite is well out of my footprint ... but I'd like to know whether it's on when the satellite is workable from my QTH.

Is there anyone out there who can explain in words of one syllable (or less) how one figures this out ... and then explain it to a thick and illiterate old sod like me.

This mail is in NO WAY meant as any form of criticism of the AO-27 scheduler, it is ENTIRELY me being TOTALLY stupid! and not being able to see the wood for the trees ... and asking for HELP.

How about an example that a 5 year old could understand?
(Even I might have a chance then).

73 John. <la2qaa@...>

942. Re: [SPAM] [eu-amsat] AO-27 scheduler

Yahoo group: eu-amsat
Date: 2007-09-30 22:29:25 UTC
From: Andrew Glasbrenner
Topic: 941 Message: 942

It's on during ascending passes in the northern hemisphere, which should be your local afternoon passes. It turns on by timer at roughly 30 degrees latitude (this varies a bit) and is on for 7 minutes. THe link on www.ao27.org that says "24hr listing" will give you the exact repeater=on times. Look for "Analogue Med". I think that being as far North as you are you may only have a few minutes per pass visible for you.

Good Luck

73, Drew KO4MA

----- Original Message -----
From: John Hackett
To: amsat-bb@amsat.org
Cc: Eu-amsat@yahoogroups.com
Sent: Sunday, September 30, 2007 6:18 PM
Subject: [SPAM] [eu-amsat] AO-27 scheduler

AO-27.

Easysat ? ... right !!!l.

I've been trying (unsuccessfully) to figure out how to tell when the AO-27 transmitter is switched on over my QTH ... (Frei Island JP33WB) ... or not.

Of course, any tracking program tells me *WHEN* the satellite is over my QTH but tracking programs don't tell me whether the transmitter is switched on or not.

The AO-27 scheduler supposedly does this ... the only problem is
... I find it thoroughly confusing.

The passes (according to any tracking program with the latest keps) and the AO-27 scheduler don't seem to agree ... (me'thinks John is doing something wrong !!!) ... or ... from the scheduler I can see if the transmitters are on (or not) when the satellite is well out of my footprint ... but I'd like to know whether it's on when the satellite is workable from my QTH.

Is there anyone out there who can explain in words of one syllable (or less) how one figures this out ... and then explain it to a thick and illiterate old sod like me.

This mail is in NO WAY meant as any form of criticism of the AO-27 scheduler, it is ENTIRELY me being TOTALLY stupid! and not being able to see the wood for the trees ... and asking for HELP.

How about an example that a 5 year old could understand?
(Even I might have a chance then).

73 John. <la2qaa@...>

943. RE: [SPAM] [eu-amsat] AO-27 scheduler

Yahoo group: eu-amsat
Date: 2007-09-30 22:53:30 UTC
From: John Hackett
Topic: 941 Message: 943

Hello Drew, thanks for the mail.

Yes, I've understood the principles ... it's just that I can't seem to get the math to tally ... I REALISE THE FAULT IS MINE !!!! but I can't see where I'm going wrong.

I see the various modes over other QTH's ... would one have to backtrack a tracking program to "spot" AO-27 at a particular scheduled moment and then work things out "manually" ??.

(I'm confusing myself !!!!).

The reason I was interested is ... I recently purchased an IC-E91 handheld for use on AO-51 portable and noticed that the AO-27 control operators encouraged D-Star.

D-Star repeaters being pretty thin on the ground in Europe (one I believe, in the UK ... paradoxically none !!! in Japan, hi hi) ... I thought AO-27 might be an opportunity to try this mode.

I'd read that not all transmitters/receivers are suitable for D-Star and I've seen no mention about it re: AO-51 ... and not wanting to show my ignorance nor insert a size 10 in my mouth I assumed AO-27 would be my best bet ... however ... it does look like it's a non-starter anyway !!! due to my QTH.

I suppose I'm out of luck with D-Star on AO-51 ???.

The next bit is personal and "off the record".

I've been playing with analogue satellites for a lot of years but am about to relocate to a retirement home where aerials are *NOT* permitted so the IC-E91 and an Arrow aerial are my only options to stay active.

Any other "ideas" for utilising the IC-E91 on AO-51 (D-Stars?) or otherwise, would be greatly appreciated Drew. The local repeater is BORING !!!.

You'll recall I asked you about the possibility of MCW ... whether it would be frowned upon on AO-51 ... now you know why I asked.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com; amsat-bb@...
From: glasbrenner@...
Date: Sun, 30 Sep 2007 18:29:25 -0400
Subject: Re: [SPAM] [eu-amsat] AO-27 scheduler

It's on during ascending passes in the northern
hemisphere, which should be your local afternoon passes. It turns on by timer at
roughly 30 degrees latitude (this varies a bit) and is on for 7 minutes. THe
link on www.ao27.org that says
"24hr listing" will give you the exact repeater=on times. Look for
"Analogue Med". I think that being as far North as you are you may only have a

few minutes per pass visible for you.

Good Luck

73, Drew KO4MA

----- Original Message -----
From:
John Hackett
To: amsat-bb@...
Cc: Eu-amsat@yahoogroups.com
Sent: Sunday, September 30, 2007 6:18
PM
Subject: [SPAM] [eu-amsat] AO-27
scheduler

AO-27.

Easysat ? ... right !!!l.

I've been trying
(unsuccessfully) to figure out how to tell when the AO-27 transmitter is
switched on over my QTH ... (Frei Island JP33WB) ... or not.

Of course,
any tracking program tells me *WHEN* the satellite is over my QTH but tracking
programs don't tell me whether the transmitter is switched on or
not.

The AO-27 scheduler supposedly does this ... the only problem is

... I find it thoroughly confusing.

The passes (according to any
tracking program with the latest keps) and the AO-27 scheduler don't seem to
agree ... (me'thinks John is doing something wrong !!!) ... or ... from the
scheduler I can see if the transmitters are on (or not) when the satellite is
well out of my footprint ... but I'd like to know whether it's on when the
satellite is workable from my QTH.

Is there anyone out there who can
explain in words of one syllable (or less) how one figures this out ... and
then explain it to a thick and illiterate old sod like me.

This mail is
in NO WAY meant as any form of criticism of the AO-27 scheduler, it is
ENTIRELY me being TOTALLY stupid! and not being able to see the wood for the
trees ... and asking for HELP.

How about an example that a 5 year old
could understand?
(Even I might have a chance then).

73
John. <la2qaa@...>

944. D-Stars on AO-51

Yahoo group: eu-amsat
Date: 2007-09-30 23:11:10 UTC
From: John Hackett
Topic: 944 Message: 944

Subject: [amsat-bb] Re: Yes, DStar can work on LEO,From: "Andrew Glasbrenner" <glasbrenner@xxxxxxxxxxxxxx>Date: Mon, 26 Feb 2007 17:14:57 -0500

Drew,
I just found this through a search ... very
encouraging indeed (re: my last).

73 John. <la2qaa@...>
.....

Gentlemen,

Please do not use FM on any of the transponder satellites, whether D-Star or plain FM. FM of any kind is expressly unwelcome on AO-7 especially.

If you would like to set up a test of D-Star via AO-51, please organize the effort and send a request to schedule it to ao51-modes@... or to myself directly and we will accommodate the test on a FM satellite, where FM belongs. I think it'd be an interesting experiment.

73, Drew KO4MA
AMSAT-NA VP Ops

945. Re: [eu-amsat] AO-27 scheduler

Yahoo group: eu-amsat
Date: 2007-09-30 23:15:59 UTC
From: Thomas Frey
Topic: 941 Message: 945

John Hackett schrieb:
>
>
> The passes (according to any tracking program with the latest keps)
> and the AO-27 scheduler don't seem to agree ... (me'thinks John is
> doing something wrong !!!) ... or ... from the scheduler I can see if
> the transmitters are on (or not) when the satellite is well out of my
> footprint ... but I'd like to know whether it's on when the satellite
> is workable from my QTH.
>
Hello John

If you think, your AO-27 schedulerprogram doesn't work right, do the following: Click "File - Update Data". You must be online. At the moment the schedule times and the onboard clock are matching. But about in the middle of my orbit from JN47ck the transponder switches off. Its possible at your northern QTH, that you can't work AO-27 at all orbits.

To AO-51: This evening at 19:22 and 19:23 I worked OT6Z and LX1BB via mode L/U without any QRM. Neither from russian telephone-nets nor from any radar. AO-51 is truly an easy-sat in mode L/U.

On AO-27 I could also hear telephone-calls :-(

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

946. Re: [eu-amsat] AO-27 scheduler

Yahoo group: eu-amsat
Date: 2007-10-01 00:06:54 UTC
From: SV1BSX
Topic: 941 Message: 946

Hi John,

well, as I know you have problems with High mountains to South directions, so I believe it's difficcult for you to access this Satellite. If you havn't "clear horizon" to South (Europe), I can't imagine how is possible to work the AO-27 from your QTH.

In general, AO-27 is very simple. Every afternoon this bird has 2-3 asceding passes over Europe, from South to North.
With simple words, when the Satellite is over Mediterranean-sea is switched-ON for about 6 mins -till North Europe.

These 6 mins are enough to have access on Satellite almost the majority of European countries, but the Satellite comes "OFF" over N. Europe (or about South Scandinavia).

Keep in mind that, during morning (descending) passes over Europe, the Satellite is always OFF. Only during the afternoon
ascending passes is "ON", over Europe.

Another important point in order to recognise when the Satellite is ON (and OFF) is that:

if you are listening on 436.800 and the Satellite is coming from South, just before the "switch-ON" you will
receive (for a few seconds) a Packet-radio signal, 1200 Bps AFSK. If you have involved with Packet radio,
the AO-27 sounds like the well known (old) BBS on VHF!
Just the same happens close to "shut-down" of AO-27 (over N.Europe). If the whole pass is 6 mins you will hear also Packet-radio transmission at 5'30'' -5'45'' and after that, "GAME OVER", the Satellite is "OFF".

Therefore....

I'm not using any other program than NOVA for AO-27. My method is simple:

I'm looking on my PC where is the Satellite. Close to N.Africa - Mediterranean I'm listening to +-436.800, in order to
receive the Packet-bursts for a few seconds. After that I know that the Satellite is ON, so I call CQ.
I'm always watching my PC for the Satellite's orbit. Close to N.Europe I'm very fast with QSOs, as is possible
to hear suddenly the "final" Packet-bursts. Then, the AO-27 is OFF.

That's all.

BTW the AO-27 is a great Satellite, it has very good and sensitive receiver -even if is old enough. It has not
significant fading by using Linear anntennas on Earth-stations. The voice quality on Downlink is excellent and is
easily approachable, with very Low ERP power.

Hope that helps you. If you need additional infos, just let me know.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: amsat-bb@...
Cc: Eu-amsat@...m
Sent: Monday, October 01, 2007 01:18
Subject: [eu-amsat] AO-27 scheduler

AO-27.

Easysat ? ... right !!!l.

I've been trying (unsuccessfully) to figure out how to tell when the AO-27 transmitter is switched on over my QTH ... (Frei Island JP33WB) ... or not.

Of course, any tracking program tells me *WHEN* the satellite is over my QTH but tracking programs don't tell me whether the transmitter is switched on or not.

The AO-27 scheduler supposedly does this ... the only problem is
... I find it thoroughly confusing.

The passes (according to any tracking program with the latest keps) and the AO-27 scheduler don't seem to agree ... (me'thinks John is doing something wrong !!!) ... or ... from the scheduler I can see if the transmitters are on (or not) when the satellite is well out of my footprint ... but I'd like to know whether it's on when the satellite is workable from my QTH.

Is there anyone out there who can explain in words of one syllable (or less) how one figures this out ... and then explain it to a thick and illiterate old sod like me.

This mail is in NO WAY meant as any form of criticism of the AO-27 scheduler, it is ENTIRELY me being TOTALLY stupid! and not being able to see the wood for the trees ... and asking for HELP.

How about an example that a 5 year old could understand?
(Even I might have a chance then).

73 John. <la2qaa@...>

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 10/1/2007 01:54:47
avast! - copyright (c) 1988-2007 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-0, 09/26/2007
Tested on: 10/1/2007 03:06:58
avast! - copyright (c) 1988-2007 ALWIL Software.

http://www.avast.com

947. Many thanks.

Yahoo group: eu-amsat
Date: 2007-10-01 00:48:37 UTC
From: John Hackett
Topic: 941 Message: 947

Thomas & Mak,
Yes, it did help. Thank you. As I presumed, AO-27 is a non-starter these days. I used to work it 10 years or so ago and remember having a wonderful double "whip" QSO with Roy Soifer when he was in OE land.

Mind you, I still had half a brain in those days ... things have deteriorated in the last 10 years. I shall be demounting the aerial arrays shortly and donating most of the gear to the local radio club ... though only one Ham showed any interest for satellite operating and that was way back on AO-10.

It looks like I'll have to build a satellite myself and shoot it up with some knicker elastic, mind you, those clowns at the Andøya rocket range probably wouldn't appreciate the competition.

They managed to drop a small rocket into Russia 2 years ago and caused quite an international incident.

You can imagine the Russian reaction to the NOGGY ... "Oops, sorry! ... our rocket went slightly off course".

73 John. <la2qaa@...>

948. Portable

Yahoo group: eu-amsat
Date: 2007-10-02 15:57:00 UTC
From: John Hackett
Topic: 948 Message: 948
Attachments: 1 described; binary payloads are missing from this source WARC

Drew,
This is the camera tripod I mentioned.

Has no-one previously requested trying a D-Star experiment on AO-51 ??.

I noticed your mail on the amsat-bb earlier in the year ... was there no response ??.

BTW ... when they do drag me kicking and screaming into the fun-house (read: rertirement home)
I'm going to have to change my mind about FM satellites ... and a lot faster than Raquel Welch changed her 'Y-fronts' in the 60's

73 John. <la2qaa@...>

949. Re: [amsat-bb] Re: AO-51/Sputnik event extended for Europeanparticipation

Yahoo group: eu-amsat
Date: 2007-10-03 01:42:44 UTC
From: Luc Leblanc
Topic: 949 Message: 949

On 2 Oct 2007 at 17:53, Andrew Glasbrenner wrote:

> Damned if we do, damned if we don't it seems.
>
> SO-50 and VO-52 have passes over the UK at almost the exact same
> times....how about one of those satellites?
>
> 73, Drew KO4MA

Probably they want to use an "easy sat"!

Even NASA JPL is on this charming campaign? Did the Russian make them aware of their future intents? Probably it is a way to counteract the global warming effect with a reenactment of the cold war...

AMSAT-NA valets just jump on this one...always late again...at midnight minus one second.

"You will be seated on the right side of god" But if god is everywhere, where is the right side of everywhere?"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

950. Re: [eu-amsat] Re: [amsat-bb] Re: AO-51/Sputnik event extended for Europeanparticipation

Yahoo group: eu-amsat
Date: 2007-10-03 09:08:00 UTC
From: Thomas Frey
Topic: 949 Message: 950

Luc Leblanc schrieb:
> On 2 Oct 2007 at 17:53, Andrew Glasbrenner wrote:
>
>
>> Damned if we do, damned if we don't it seems.
>>
>> SO-50 and VO-52 have passes over the UK at almost the exact same
>> times....how about one of those satellites?
>>
>> 73, Drew KO4MA
>>
>
> Probably they want to use an "easy sat"!
>
> Even NASA JPL is on this charming campaign? Did the Russian make them aware of
> their future intents? Probably it is a way to counteract the global warming
> effect with a reenactment of the cold war...
>
> AMSAT-NA valets just jump on this one...always late again...at midnight minus
> one second.
>
> "You will be seated on the right side of god" But if god is everywhere, where
> is the right side of everywhere?"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
Gentlemen, I do not understand your statements. But if I read the
title of this mail I have questions:

Would the Sputnik event extended for European participation ? Which QRGs
would be used ?

Thanks for a "non flamable" answer.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

951. Really !!! ... when will they ever learn.

Yahoo group: eu-amsat
Date: 2007-10-03 09:48:09 UTC
From: John Hackett
Topic: 951 Message: 951

AO-7, orbit 50476 ... there I was, patiently calling CQ with my normal QRP power when the transponder suddenly started going throwing a wobbly! ... (FM-ing).

Somebody was obviously knocking the transponder rotten!.

I had my downlink on 145.942Mhz and found the culprit on 145.951Mhz.

DC7TS talking to another German station, both in JO63PO ... where they could have stuck their heads out of their respective windows and waffled to their heart's content, instead of making the transponder to all intents and purposes totally unusable for everybody else ... particularly those who follow the rules.

Whether this was due to the "mine's bigger than your's" mentality or just plain sheer ignorance of the operating proceedure on AO-7 I don't know, I don't speak German.

However, it does !! illustrate *WHY* national society's in their magazines *SHOULD* make potential satellite operators
aware of the recommendations. Not every satellite has the same operating proceedure.

I've been mentioning this fact on and off for 10 years now but there's been little or no response from the editors of the national societies ... how else does one reach the "new" operators?.

Of course, I tried (politely) to ask DC7TS and friend to QRP by several hundred watts but they probably couldn't even hear my "normal" signal on AO-7.

Possibly another case of a *BIG* transmitting aerial and no receiving aerial ... who knows!.

73 John. <la2qaa@...>

952. More QRM.

Yahoo group: eu-amsat
Date: 2007-10-03 11:21:05 UTC
From: John Hackett
Topic: 952 Message: 952

AO-7's orbit 50477 was even worse than the previous one. This time we had something that appeared to be Russian taxi's ??? jockeying for the passband ... maybe they're gearing up for the Sputnik celebrations tomorrow? ... this was while the satellite was over Russia and prior to the passband covering the rest of western Europe.

Later in the pass, F3ZD ... (whom I work almost every day) ... also noticed this QRM.

There has been little activity on the transponder in both modes the last 2 days.

73 John. <la2qaa@amsat.org>

953. Re: [eu-amsat] Really !!! ... when will they ever learn.

Yahoo group: eu-amsat
Date: 2007-10-03 11:27:05 UTC
From: Thomas Frey
Topic: 951 Message: 953

John, I forwarded this mail to the AMSAT-DL forum. Hope this helps.

John Hackett schrieb:
> AO-7, orbit 50476 ... there I was, patiently calling CQ with my normal
> QRP power when the transponder suddenly started going throwing a
> wobbly! ... (FM-ing).
>
> Somebody was obviously knocking the transponder rotten!.
>
> I had my downlink on 145.942Mhz and found the culprit on 145.951Mhz.
>
> DC7TS talking to another German station, both in JO63PO ... where they
> could have stuck their heads out of their respective windows and
> waffled to their heart's content, instead of making the transponder to
> all intents and purposes totally unusable for everybody else ...
> particularly those who follow the rules.
>
> Whether this was due to the "mine's bigger than your's" mentality or
> just plain sheer ignorance of the operating proceedure on AO-7 I don't
> know, I don't speak German.
>
> However, it does !! illustrate *WHY* national society's in their
> magazines *SHOULD* make potential satellite operators
> aware of the recommendations. Not every satellite has the s ame
> operating proceedure.
>
> I've been mentioning this fact on and off for 10 years now but there's
> been little or no response from the editors of the national societies
> ... how else does one reach the "new" operators?.
>
> Of course, I tried (politely) to ask DC7TS and friend to QRP by
> several hundred watts but they probably couldn't even hear my "normal"
> signal on AO-7.
>
> Possibly another case of a *BIG* transmitting aerial and no receiving
> aerial ... who knows!.
>
> 73 John. <la2qaa@...>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

954. FB! Thomas.

Yahoo group: eu-amsat
Date: 2007-10-03 17:56:07 UTC
From: John Hackett
Topic: 951 Message: 954

Thomas, an excellent ! idea, I guess I'm just too old and senile to have thought of doing that, well done Thomas and thank you.

"Education" always helps and as long as people realise that these days AO-7 is a QRP/sunlight only satellite we'll all be able to enjoy it.

FB Thomas.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 3 Oct 2007 13:27:05 +0200
Subject: Re: [eu-amsat] Really !!! ... when will they ever learn.

John, I forwarded this mail to the AMSAT-DL forum. Hope this helps.

John Hackett schrieb:

> AO-7, orbit 50476 ... there I was, patiently calling CQ with my normal

> QRP power when the transponder suddenly started going throwing a

> wobbly! ... (FM-ing).

>

> Somebody was obviously knocking the transponder rotten!.

>

> I had my downlink on 145.942Mhz and found the culprit on 145.951Mhz.

>

> DC7TS talking to another German station, both in JO63PO ... where they

> could have stuck their heads out of their respective windows and

> waffled to their heart's content, instead of making the transponder to

> all intents and purposes totally unusable for everybody else ...

> particularly those who follow the rules.

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> Whether this was due to the "mine's bigger than your's" mentality or

> just plain sheer ignorance of the operating proceedure on AO-7 I don't

> know, I don't speak German.

>

> However, it does !! illustrate *WHY* national society's in their

> magazines *SHOULD* make potential satellite operators

> aware of the recommendations. Not every satellite has the s ame

> operating proceedure.

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> I've been mentioning this fact on and off for 10 years now but there's

> been little or no response from the editors of the national societies

> ... how else does one reach the "new" operators?.

>

> Of course, I tried (politely) to ask DC7TS and friend to QRP by

> several hundred watts but they probably couldn't even hear my "normal"

> signal on AO-7.

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> Possibly another case of a *BIG* transmitting aerial and no receiving

> aerial ... who knows!.

>

> 73 John. <la2qaa@...>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

955. Re: [eu-amsat] Re: [amsat-bb] Re: AO-51/Sputnik event extended for Europeanparticipation

Yahoo group: eu-amsat
Date: 2007-10-03 19:39:42 UTC
From: Luc Leblanc
Topic: 949 Message: 955

On 3 Oct 2007 at 11:08, Thomas Frey wrote:

> Luc Leblanc schrieb:
> > On 2 Oct 2007 at 17:53, Andrew Glasbrenner wrote:
> >
> >
> >> Damned if we do, damned if we don't it seems.
> >>
> >> SO-50 and VO-52 have passes over the UK at almost the exact same
> >> times....how about one of those satellites?
> >>
> >> 73, Drew KO4MA
> >>
> >
> > Probably they want to use an "easy sat"!

> Gentlemen, I do not understand your statements. But if I read the
> title of this mail I have questions:
>
> Would the Sputnik event extended for European participation ? Which QRGs
> would be used ?
>
> Thanks for a "non flamable" answer.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
Hi Thomas

I was answering back on this thread to say AMSAT-NA change the AO-51 sked without giving any early warnings and some EU station already have their sked made for at least one a demonstration eg:

That's a shame. I have spent time trying to arrange a contact with the special event station that will be active on the day on AO-51. Will scrap plans to take the station into my school. Now no possibility to have a QSO. Wish I had known this earlier.

Still, will listen and hopefully send a report.

David

AMSAT-NA always told us that AO-51 is an easy sat and that's why some use it but when changing their sked closing down the satellite over the rest of the world the only one explanation Mr Drew KO4MA is giving is "use the other sat available

"> >> SO-50 and VO-52 have passes over the UK at almost the exact same
> >> times....how about one of those satellites?".

The AMSAT-NA way...

P.S i sent the previous message to AMSAT-BB but they censored it... again? and probably this one also...

But for your question "> Would the Sputnik event extended for European participation ? Which QRGs would be used ?

You should ask on AMSAT-BB reflector but you can risk to have some flame back...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

956. October 4th 1957.

Yahoo group: eu-amsat
Date: 2007-10-03 20:47:25 UTC
From: John Hackett
Topic: 956 Message: 956

Ladies and Gentlemen,
(Yes, there ARE ! several Ladies among the satellite enthusiasts).

Never mind the bickering re: schedules etc regarding the sounds emitted from the steel ball on the 4th of October 1957.

For those not managing to catch it via AO-51 you can always listen to the original recording ... (and many, many more) ... on the following web page ...

<http://www.dd1us.de/historical%20sounds%20from%20space.html>

73 John. <la2qaa@...>

957. October 4th 1957.

Yahoo group: eu-amsat
Date: 2007-10-03 21:40:01 UTC
From: John Hackett
Topic: 956 Message: 957

Enjoy!.

<http://news.bbc.co.uk/2/hi/science/nature/6937964.stm>

73 John. <la2qaa@...>

958. (no subject)

Yahoo group: eu-amsat
Date: 2007-10-04 17:49:00 UTC
From: John Hackett
Topic: 958 Message: 958

Gentlemen,
I'd like to extend a warm welcome to Hartmut, DL1YDD who is Vice President of Amsat-DL.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

Homepage. <http://www.observations.biz>

959. Re: [amsat-bb] Re: Longwindedness

Yahoo group: eu-amsat
Date: 2007-10-05 14:15:07 UTC
From: Luc Leblanc
Topic: 959 Message: 959

>
> >Do we have "laws" established for what an EZ-sat QSO is and how long it should
> >last? Do we even want such laws? Gentlemen's agreement's usually work out
> >pretty

How many time on the road we are stuck behind a senior driver who's driving just below the normal minimum speed? The same is true also on the satellite and as the average OM age is around 57 it's quite normal our senior who have plenty of time does not seems to see that some are eager to make a quick one or could be their first one. (Before flaming me i refer to the exception as most of the sat operator of any age a operating correctly)

Its not a complaint but an observer note. Blaming the age is not an excuse for bad operating skills! Did the bad operating practice are coming from HF i answer YES but as LEO satellite are not HF bands and as LEO are available on a very limited period of time, we all rely on the next available local sat operator who should make the culprit aware of the situation.

Before condemning we should be sure the culprits are aware of their acts and if they are and they just follow the same trend we should start a coax cutting rampage before cutting something else...JOKE...

A personal event here. On an ARISS contact someone in my direct range start to call NA1SS on the downlink frequency in the middle of the contact. Fortunately the ARISS station was too far away to be bothered but this fellow was not aware of the procedures or he was simply ignorant just jumping on this long "skip".... I think he was getting the message after the event but i was never been able to get an answer on my questioning?

"-"
P.S. I understand why we are all afraid to become old...including myself!

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

960. Fw: Amateur 34000MHZ / 9cms Allocations

Yahoo group: eu-amsat
Date: 2007-10-05 18:49:12 UTC
From: SV1BSX
Topic: 960 Message: 960

Sent: Friday, October 05, 2007 16:36
Subject: [ukc5discussion] Amateur 34000MHZ / 9cms Allocations

>
> One action from IARU-Vienna-2007 (and recent correspondence) have led
> me to add this page on to the UKuG website
>
> http://www.microwavers.org/3400mhz.htm
>
> Please let me know if you hear different as we want to maintain the
> allocation data on there to assist ourselves as well as those countries
> where they havent got permissions yet such as France
>
> Murray G6JYB
>
>
>
>
>
> Yahoo! Groups Links
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000777-4, 09/30/2007
Tested on: 10/5/2007 21:49:16
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

961. overseas AO-7 Mode-A

Yahoo group: eu-amsat
Date: 2007-10-06 15:15:29 UTC
From: SV1BSX
Topic: 961 Message: 961

Hello all,

a nice QSO took place today @ 11:50Z between Henri, F3ZD and Dan, AJ9K on MODE-A !
Distance JO11FA - EN53EB = 6562 Km.

Good news. I think it's the 1st overseas contact on Mode-A during
this period, where AO-7 is out of eclipse.

Good job from Henri and Dan.

Have a nice weekend

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/6/2007 18:15:33
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962. RE: Mode-C ?

Yahoo group: eu-amsat
Date: 2007-10-08 09:34:25 UTC
From: John Hackett
Topic: 962 Message: 962

Mak,
You're absolutely right ... the satellite *DID* start in mode-C but changed to mode-B when it came further into the sunlight ... the satellite has been running along the grey line at certain times on certain passes ... not really in eclipse and not completely in sunlight.

This of course affects the transponder.

I *PURPOSELY* made my own entries as mode-B yesterday so as not to completely confuse the newcomer in case he or she has been reading some of the comments on the various pages regarding AO-7 eclipse and modes information.

To understand what is going on with AO-7 one has to read the *ENTIRE* history ... and most people don't do that ... they just assume that if "Joe Bloggs" says it's so and so ... it *MUST* be true ... (which it more often than not isn't!).

73 John. <amsat.org> AO-7 Resource Page Admin:

Homepage: <http://www.observations.biz>

From: sv1bsx@yahoo.gr
To: la2qaa@...
Subject: Fw: Mode-C ?
Date: Sun, 7 Oct 2007 21:23:10 +0300

John, forget it. I have already
corrected it to Mode-B.

It should be very big puzzle if we
starting Mode-B & C.

BTW Mika he didn't entry me on Log, I
don't know why, the QSO was completed... I deleted also him !

However also the next pass was very weak.
Difficult to copy myself on CW.

73, Mak

----- Original Message -----
From: SV1BSX
To: LA2QAA
Sent: Sunday, October 07, 2007 20:11
Subject: Mode-C ?

Hi John,

today afternoon during the usual AO-7's
"good" pass for me, over W.Asia - E.Europe, I was wondering where is the

Satellite!
Nothing till 25 deg. Elevation, but after
a carefully listening on Downlink I heard my CQ-CQ signal, very-very
weak.
After 2-3 mins, Mika OH8MBN he answered me.
For first time it was difficult to copy both signals (Mika's and
mine).
A very strange ECHO also took place, it was also
very difficult the Zero-Beat.
BTW I didn't hear any other on this
pass.

If my receiver and my antenna are both in
good shape, I wonder: was it "Mode-C" ?

My entry in Emily's LOg is as Mode-C. If I am
wrong, please correct it.

73, Mak

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/7/2007 21:23:21
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963. Your opinion.

Yahoo group: eu-amsat
Date: 2007-10-09 17:52:22 UTC
From: John Hackett
Topic: 963 Message: 963

Hello Al,
On the early passes this morning AO-7 was again creeping along the grey line ... not quite in sunlight, consequently, the transponder was off.

I monitored it as it passed into sunlight ... (according to NOVA).

I noted my downlink started off very weak and became progressively stronger as the satellite moved further into the sunlight.

I would have thought the power from the solar array was either 'ON' or 'OFF' ... depending on sunlight ... not showing slowly "increasing" power ... this suggested that the array was feeding some sort of 'battery' or 'capacitor'.

Is it normal that a solar array needs 'time' to "get up to speed".

As a solar panel guru, I'd be most interested in your opinion here ... I have a sneaking little suspicion that the battery on AO-7 *MAY* be holding some charge in sunlight but dispersing itself under a certain threshold.

Our monitoring two years ago would also suggest this is a possibility, when we copied that good telemetry.

Comments on a 9 quid note to Frei Island ASP.

73 John. <la2qaa@...>

964. AO-7 weak signal.

Yahoo group: eu-amsat
Date: 2007-10-09 18:18:16 UTC
From: John Hackett
Topic: 964 Message: 964

Quoting Mika OH8MBN ... a 6dB difference between mode-B and mode-C wouldn't show the difference between a S7/S9 and a barely audible signal.

Quite right! Mika. I don't think the satellite was in mode-C at all, I believe it was in mode-B ... but creeping along the "grey line" and therefore *NOT* getting enough sunlight to power the transponder properly.

Taking into account the age of the solar panels ... (31 years) ...
it's a safe bet that they are *NOT* producing anywhere near what they did in 1974. It's anybody's guess exactly how many watts the mode-B transponder is producing these days.

I'd estimate that mode-C would be totally inaudible these days unless you were using an EME class receiving system, however, I am open to debate on this particular point. I have been using QRP for 40 years now and am fully aware of what can be done with decent aerials but it should be remembered that AO-7 is *NOT* equipped with a large array when considering my comment re: power.

73 John. <la2qaa@...>

965. AO-7 OFF?

Yahoo group: eu-amsat
Date: 2007-10-09 18:20:48 UTC
From: SV1BSX
Topic: 965 Message: 965

Hi all

I believe that AO-7 was "OFF" at ascending orbit #50548 (~18.00 utc). Nothing heard on Mode-B & Mode-A.
My effort to access the Satellite on both Modes was unsuccessful and nobody else received on
transponder.

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/9/2007 21:20:52
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966. Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-09 18:41:03 UTC
From: John Hackett
Topic: 966 Message: 966

Mak, Terry,
Mak reports AO-7 as OFF on orbit 50556, 3 minutes later Terry reports it in mode-B.

Presumably, Terry heard his own downlink or he wouldn't have logged on.

There is little doubt that some unusual things are happening lately, just like I predicted several weeks ago ... but unfortunately, my crystal ball has thrown in the towel so unless anyone goes up and checks it out first hand, we can only guess what is really going on.

Now !!! would be the time to have a working beacon.

73 John. <la2qaa@...>

967. Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-09 20:09:34 UTC
From: SV1BSX
Topic: 966 Message: 967

John,

as you know me, I'm NEVER, never "absolute" about something. I tried dozens times to access the Satellite, without success.
These kind of orbits are excellent for me (AOS over S.Africa, TCA @ 250-260 degr.) At 260 degr I have a high building very close to my QTH, so I am behind of building's shadow between 270-360 Degr.
So I can't say if the AO-7 was "turned-ON" at this period where the Satellite was over C.Europe and our friend Terry has much better access than me.

However, I believe that this time the Satellite was "OFF" from AOS until to TCA (250 degr, time period 17:53-18:03 UTC). Especially over Africa, AO-7 was direct-forward to my "Guns" with 100% clear horizon, so I consider difficult I didn't hear it that.

" I don't put my hand over the fire", but I believe that it was OFF beween AOS-TCA.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: jking@... ; amsat-bb@...
Sent: Tuesday, October 09, 2007 21:41
Subject: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Mak, Terry,
Mak reports AO-7 as OFF on orbit 50556, 3 minutes later Terry reports it in mode-B.

Presumably, Terry heard his own downlink or he wouldn't have logged on.

There is little doubt that some unusual things are happening lately, just like I predicted several weeks ago ... but unfortunately, my crystal ball has thrown in the towel so unless anyone goes up and checks it out first hand, we can only guess what is really going on.

Now !!! would be the time to have a working beacon.

73 John. <la2qaa@...>

---

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Tested on: 10/9/2007 21:57:19
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---
avast! Antivirus: Outbound message clean.

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Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/9/2007 23:09:42
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968. Re: [eu-amsat] Your opinion.

Yahoo group: eu-amsat
Date: 2007-10-10 10:04:50 UTC
From: Thomas Frey
Topic: 963 Message: 968

John Hackett schrieb:
> I have a sneaking little suspicion that the battery on AO-7 *MAY* be
> holding some charge in sunlight but dispersing itself under a certain
> threshold.
>
> Our monitorin g two years ago would also suggest this is a
> possibility, when we copied that good telemetry.
>
> Comments on a 9 quid note to Frei Island ASP.
>
> 73 John. <la2qaa@...>
>
I have also this sneaking little suspicion. I could observe, when the 2m beacon was active, that AO-7 was still active after it goes into eclipse for a few minutes.

Another "sneaking little suspicion" from me is: Since the transponders switches again (I mean at 01:36 UTC), the 2m-beacon is offbeat completely.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

969. RE: [eu-amsat] Your opinion.

Yahoo group: eu-amsat
Date: 2007-10-10 10:14:03 UTC
From: John Hackett
Topic: 963 Message: 969

Hi Thomas,
I agree !!!, that's EXACTLY what I copied from the beacon ... and I copied it every single day 2 years ago.

I believe there's more going on up there on AO-7 than we've aware of ... yes, we really do !!! need a working beacon.

Maybe an idea for future satellites ... a redundancy back-up beacon ???.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 10 Oct 2007 12:04:50 +0200
Subject: Re: [eu-amsat] Your opinion.

John Hackett schrieb:

> I have a sneaking little suspicion that the battery on AO-7 *MAY* be

> holding some charge in sunlight but dispersing itself under a certain

> threshold.

>

> Our monitorin g two years ago would also suggest this is a

> possibility, when we copied that good telemetry.

>

> Comments on a 9 quid note to Frei Island ASP.

>

> 73 John. <la2qaa@...>

>

I have also this sneaking little suspicion. I could observe, when the 2m

beacon was active, that AO-7 was still active after it goes into eclipse

for a few minutes.

Another "sneaking little suspicion" from me is: Since the transponders

switches again (I mean at 01:36 UTC), the 2m-beacon is offbeat completely.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

970. RE: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-10 10:26:27 UTC
From: John Hackett
Topic: 966 Message: 970

Mak,
Re AO-7. I don't for one moment doubt you ... like I mentioned to Thomas ... there's a lot more going on up there than we are propably aware of.

We really ought to have a working beacon now ... I mentioned to Thomas, perhaps it might be an idea for the constructors to incorporate a redundancy back-up system for the beacon on future satellites.

Thomas also ! noticed that 2 years ago ... (when the TLM was good) ... the transponder was still operating for a short while into eclipse ... how could it do that if the battery *WASN'T* holding any charge at all.

I must admit, solar panels are *NOT* my forte ... neither are batteries ... Al believes the battery is emulating a large resistor these days ... I'm not so sure. Everything is based on the comment ... "the battery went open circuit" ... but did it ?? ... "good" TLM 2 years ago suggestsmaybe it *DIDN'T*.

Al tells me that solar panels *DO* need a certain time to get "up to speed".

Without valid telemetry we're "bolloxed".

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Tue, 9 Oct 2007 23:09:34 +0300
Subject: Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

John,

as you know me, I'm NEVER,
never "absolute" about something. I tried dozens times to access the
Satellite, without success.
These kind of orbits are excellent for me (AOS over
S.Africa, TCA @ 250-260 degr.) At 260 degr I have a high building
very close to my QTH, so I am behind of building's shadow between 270-360 Degr.

So I can't say if the AO-7 was "turned-ON" at this period
where the Satellite was over C.Europe and our friend Terry has much better
access than me.

However, I believe that this time the Satellite
was "OFF" from AOS until to TCA (250 degr, time period 17:53-18:03
UTC). Especially over Africa, AO-7 was direct-forward to my "Guns" with 100% clear horizon, so I consider difficult I
didn't hear it that.

" I don't put my hand over the fire", but I believe
that it was OFF beween AOS-TCA.

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Cc: jking@...
; amsat-bb@...
Sent: Tuesday, October 09, 2007
21:41
Subject: [eu-amsat] Curiouser and
curiouser ... Lewis Carrol.

Mak,
Terry,

Mak reports AO-7 as OFF on orbit 50556, 3 minutes later Terry reports it in
mode-B.

Presumably, Terry heard his own downlink or he wouldn't have
logged on.

There is little doubt that some unusual things are
happening lately, just like I predicted several weeks ago ... but
unfortunately, my crystal ball has thrown in the towel so unless anyone goes
up and checks it out first hand, we can only guess what is really going
on.

Now !!! would be the time to have a working beacon.

73
John. <la2qaa@amsat.org>

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Antivirus: Inbound message clean.
Virus Database (VPS): 000778-4,
10/05/2007
Tested on: 10/9/2007 21:57:19
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/9/2007 23:09:42
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971. Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-10 13:01:24 UTC
From: SV1BSX
Topic: 966 Message: 971

..John, I know that you didn't doubt me, simply I wanted to explain
with much more details.

Honestly, I'm very careful man when I post something unusual. I don't like to confuse others, like
a guy few months ago when the FO-29 was suddenly "OFF", but he reported that again & again:

-"I hear the Satellite! I hear the Satellite Loud & Clear ! FO-29 is alive !"

Finally, he had heard.... a "birdy" on his transceiver!

Madness! If we can't recognise a "birdy" from a
real Satellite, I will go for... fishing !

However the fact is that, AO-7 during the last days it has very ususual behavior.
I hope to comes back again in the previous good shape,

with the usual strong signals, in order to be able to enjoy it without problems for a long time
in the future.

Unfortunately, this moment it's the only one Satellite with a good enough footprint for LEO till the next HEO, even if the P3-Express it's obvious that it's not "Express" anylonger but in practice... P3-D (where D = Delay!), as the launch-day is for once more time deferred
for somewhere between ...2008 - 2010.

Patience my friends ...

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: jking@...
Sent: Wednesday, October 10, 2007 13:26
Subject: RE: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Mak,
Re AO-7. I don't for one moment doubt you ... like I mentioned to Thomas ... there's a lot more going on up there than we are propably aware of.

---
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Tested on: 10/10/2007 16:01:29
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http://www.avast.com

972. FW:Re:[SPAM] Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-10 13:05:38 UTC
From: SV1BSX
Topic: 972 Message: 972

FROM: terry.bromley@...
DATE: Wed, 10 Oct 2007 13:22:05 +0100
SUBJECT: Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Hi Mak, just reading the thread on ao-7, i worked Mika last
night at 20:07 utc. He was a strong 5/7. Hope this helps. 73
Terry G1WPR.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/10/2007 16:05:43
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http://www.avast.com

973. Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Yahoo group: eu-amsat
Date: 2007-10-10 12:22:05 UTC
From: TERRY BROMLEY
Topic: 966 Message: 973

Hi Mak, just reading the thread on ao-7, i worked Mika last night at 20:07 utc. He was a strong 5/7.
Hope this helps.
73 Terry G1WPR.
----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Tuesday, October 09, 2007 9:09 PM
Subject: Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

John,

as you know me, I'm NEVER, never "absolute" about something. I tried dozens times to access the Satellite, without success.
These kind of orbits are excellent for me (AOS over S.Africa, TCA @ 250-260 degr.) At 260 degr I have a high building very close to my QTH, so I am behind of building's shadow between 270-360 Degr.
So I can't say if the AO-7 was "turned-ON" at this period where the Satellite was over C.Europe and our friend Terry has much better access than me.

However, I believe that this time the Satellite was "OFF" from AOS until to TCA (250 degr, time period 17:53-18:03 UTC). Especially over Africa, AO-7 was direct-forward to my "Guns" with 100% clear horizon, so I consider difficult I didn't hear it that.

" I don't put my hand over the fire", but I believe that it was OFF beween AOS-TCA.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: jking@... ; amsat-bb@...
Sent: Tuesday, October 09, 2007 21:41
Subject: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

Mak, Terry,
Mak reports AO-7 as OFF on orbit 50556, 3 minutes later Terry reports it in mode-B.

Presumably, Terry heard his own downlink or he wouldn't have logged on.

There is little doubt that some unusual things are happening lately, just like I predicted several weeks ago ... but unfortunately, my crystal ball has thrown in the towel so unless anyone goes up and checks it out first hand, we can only guess what is really going on.

Now !!! would be the time to have a working beacon.

73 John. <la2qaa@...>

---

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avast! Antivirus: Outbound message clean.

Virus Database (VPS): 000778-4, 10/05/2007
Tested on: 10/9/2007 23:09:42
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974. The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 07:34:54 UTC
From: John Hackett
Topic: 974 Message: 974

Due to it's somewhat erratic behaviour this past week I have been monitoring AO-7 even more closely than usual.

There has been some controversy as to which mode ... B, C or OFF ... AO-7 is in at certain periods in the same orbit.

Here are a few points to ponder.

This is a good opportunity to test your receiving system.

Some stations report the satellite as being OFF when they can't hear their own downlink ... whereas others, at the same time/same orbit report it as being ON but in mode-C ... (low power) ... this is *NOT* a comment on SV1BSX's report of the satellite being OFF ... because I experienced exactly the same thing myself this morning at 11-10-07 at AOS.

AOS ... nothing heard ... (and I gave *GOOD* antennas) ... but soon after the "footprint" crossed the grey line, in both IT and NOVA ... (I was monitoring both) ... my own downlink was audible AND INCREASED PROGRESSIVELY AS THE SATELLITE APPROACHED THE HORIZON (LOS)... that is to say ... the range increased and the signal became stronger.

For obvious reasons, THIS DOES *NOT* SUGGEST MODE-C.

The laws of physics *DON'T* change ... however, propagation and other parameters do. Mode-C.

It is possible that the 30+ year old solar panels are producing enough power to run the transponder at 2 watts since they've been producing adequate power to run the transponder in mode-B ... whatever that power is these days ... (unknown) ... but it's still hyperthetical as to which mode the satellite is actually in at AOS.

If anyone has any coherent explanations please share them with us because once again AO-7 is continuing to dish out surprises and the old girl can teach us all something valuable for future satellites.

NB.

It's interesting to note that when the *footprint* crosses the grey line ... (a phenomenon I've monitored for several days now) ... the solar panels are in full illumination ... (theoretically !!!) ... but the transponder appears to be OFF and switches ON just as the footprint crosses the line.

A coincidence? ... I think not, but I don't have a "sensible" explanation.

Explanations are invited to EU-Amsat.

73 John. <la2qaa@...>

975. Women !!!

Yahoo group: eu-amsat
Date: 2007-10-11 07:56:39 UTC
From: John Hackett
Topic: 966 Message: 975

Hello Mak,
As always ... we're on exactly! the same page.
I experienced the "OFF" mode this morning ... at least until the *FOOTPRINT* !!! crossed the greyline.

This is a phenomenon I *CANNOT* explain ... the panels are (theoretically) in full illumination, only when the "footprint" crosses the line do I hear my own downlink. Strange !!! ... and as the satellite's range increases the signal gets stronger !!!!!!.

The opposite !!! of logical.

I'm beginning to wonder if I've grown senile !!! this last 7 days but then I remember ... AO-7 is a female !!! so maybe it's not surprising that I understand nothing !!!!.

73 John. <la2qaa@...>

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Wed, 10 Oct 2007 16:01:24 +0300
Subject: Re: [eu-amsat] Curiouser and curiouser ... Lewis Carrol.

..John, I know that you didn't doubt me, simply
I wanted to explain
with much more details.

Honestly, I'm very careful man when I post
something unusual. I don't like to confuse others, like
a guy few months ago when the FO-29 was suddenly "OFF",
but he reported that again & again:

-"I hear the Satellite! I hear the
Satellite Loud & Clear ! FO-29 is alive !"

Finally, he had heard.... a "birdy" on his
transceiver!

Madness! If we can't recognise a "birdy" from
a
real Satellite, I will go for... fishing !

However the fact is that, AO-7 during the last days
it has very ususual behavior.

I hope to comes back again in the previous good shape,
with the usual strong signals, in order to be able
to enjoy it without problems for a long time

in the future.

Unfortunately, this moment it's the only one Satellite
with a good enough footprint for LEO
till the next HEO, even if the
P3-Express it's obvious that it's not "Express"
anylonger
but in practice... P3-D (where D =
Delay!), as the launch-day is for once more time deferred
for somewhere between ...2008 - 2010.

Patience my
friends ...

73, Mak SV1BSX

----- Original Message -----

From:
John Hackett
To: eu-amsat@yahoogroups.com
Cc: jking@...

Sent: Wednesday, October 10, 2007
13:26
Subject: RE: [eu-amsat] Curiouser and
curiouser ... Lewis Carrol.

Mak,
Re
AO-7. I don't for one moment doubt you ... like I mentioned to Thomas ...
there's a lot more going on up there than we are propably aware
of.

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Tested on: 10/10/2007 16:01:29
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976. Re: [eu-amsat] The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 09:40:45 UTC
From: Thomas Frey
Topic: 974 Message: 976

John Hackett schrieb:
>
> NB.
>
> It's interesting to note that when the *footprint* crosses the grey
> line ... (a phenomenon I've monitored for several days now) ... the
> solar panels are in full illumination ... (theoretically !!!) ... but
> the transponder appears to be OFF and switches ON just as the
> footprint crosses the line.
>
> A coincidence? ... I think not, but I don't have a "sensible" explanation.
>
> Explanations are invited to EU-Amsat.
>
> 73 John. <la2qaa@...>
>
Hello John

Where come the info from, that the solar panels are in full illumination ?
In general if a satellite is sunlit or not has nothing to do with
greyline and sunlight/night on our Earth. This is a widespreaded
mistake. I heard the 2m-beacon from AO-7 also in the night and it was
in full sunlight. I calculate eclipses with James' G3RUH's PLAN-13
software. You can find it here:
http://www.amsat.org/amsat/articles/g3ruh/111.html

There are also programs, which calculates the "visibility" which
indicates, if the satellite is visible by eye. This has also nothing
to do with an illuminated satellite.

I hope, my explanations are correct. This is a very interesting theme
and I'm open for further discussions and corrections.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

977. AO-7 Events.

Yahoo group: eu-amsat
Date: 2007-10-11 11:16:13 UTC
From: John Hackett
Topic: 977 Message: 977

Here are the events for the 50576 pass.

08:37 ... AOS but nothing heard from the transponder.
08:38 ... Normally, I would have a strong downlink now but still nothing heard.
08:38:26 Very faint downlink signal.
08:39 ... S3
08:40 ... S3 for the entire pass.

This time we can "assume" the satellite is in mode-C.

Interestingly, once again, the solar array was (theoretically) in full sunlight but the footprint was 90% in darkness at AOS when the transponder is supposedly OFF. I have no logical excplanation for this.

73 John. <la2qaa@...>

978. Re: [eu-amsat] AO-7 Events.

Yahoo group: eu-amsat
Date: 2007-10-11 11:37:25 UTC
From: SV1BSX
Topic: 977 Message: 978

John,

I read all Emails, I will write later my opinion.

However you wrote:

-"Here are the events for the 50576 pass.

08:37 ... AOS but nothing heard from the transponder....."

Sorry, I'm confusing with that... 50576 orbit ???????? Just now the AO-7 orbiting the #50569.
If you mean 50567 (and not 576), then the Satellite wasn't in range for you @ 08.37 - 08:40 according
to my NOVA.

Have you make a little mistake here or my Computer is "crazy" ?

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Thursday, October 11, 2007 14:16
Subject: [eu-amsat] AO-7 Events.

Here are the events for the 50576 pass.

08:37 ... AOS but nothing heard from the transponder.
08:38 ... Normally, I would have a strong downlink now but still nothing heard.
08:38:26 Very faint downlink signal.
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08:40 ... S3 for the entire pass.

This time we can "assume" the satellite is in mode-C.

Interestingly, once again, the solar array was (theoretically) in full sunlight but the footprint was 90% in darkness at AOS when the transponder is supposedly OFF. I have no logical excplanation for this.

73 John. <la2qaa@...>

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/11/2007 14:21:10

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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/11/2007 14:37:30
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http://www.avast.com

979. RE: [eu-amsat] The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 17:38:36 UTC
From: John Hackett
Topic: 974 Message: 979

Thomas,
I agree !!! with you. My "information" comes from the tracking program NOVA and Emily's AO-7 Resource Page (which I administrate) and both "claim" AO-7 is sunlit until next April.

I must admit, I'm rather sceptical to this and the last time I mentioned it I was flamed rather dramatically.

Of course, the commonly known (HP operator) Greyline and a satellite orbit usually have very little to do with eachother, I'm fully aware of that ... except in cases like I've mentioned in the last couple of days where AO-7 *concidentally* ??? is coming up at AOS and the footprint is following the Greyline ... this led me to assume that maybe the AO-7 solar panels are *NOT* !!! always fully illumated ... but like I said ... when I first mentioned this a few weeks ago I was shot down in flames from certain people so I decided to keep quiet aboput it ... until several days ago when it seemed to be a little more than mere coincidence.

I need to spend a little more time studying this phenomonen and 'NOT* just relying on what a certain prediction program says.

There *IS* something called "human error" ... I know !!!, I make lots! of mistakes ... that's how I learn.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@tiscalinet.ch
Date: Thu, 11 Oct 2007 11:40:45 +0200
Subject: Re: [eu-amsat] The laws of physics.

John Hackett schrieb:

>

> NB.

>

> It's interesting to note that when the *footprint* crosses the grey

> line ... (a phenomenon I've monitored for several days now) ... the

> solar panels are in full illumination ... (theoretically !!!) ... but

> the transponder appears to be OFF and switches ON just as the

> footprint crosses the line.

>

> A coincidence? ... I think not, but I don't have a "sensible" explanation.

>

> Explanations are invited to EU-Amsat.

>

> 73 John. <la2qaa@...>

>

Hello John

Where come the info from, that the solar panels are in full illumination ?

In general if a satellite is sunlit or not has nothing to do with

greyline and sunlight/night on our Earth. This is a widespreaded

mistake. I heard the 2m-beacon from AO-7 also in the night and it was

in full sunlight. I calculate eclipses with James' G3RUH's PLAN-13

software. You can find it here:

http://www.amsat.org/amsat/articles/g3ruh/111.html

There are also programs, which calculates the "visibility" which

indicates, if the satellite is visible by eye. This has also nothing

to do with an illuminated satellite.

I hope, my explanations are correct. This is a very interesting theme

and I'm open for further discussions and corrections.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

980. Re: [eu-amsat] The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 17:39:19 UTC
From: SV1BSX
Topic: 974 Message: 980

...yes indeed gentlemen, it's a very interesting theme. I wonder also several times about that.

Thomas, because I'm using NOVA for several years, the "Visible" is always when the satellite is illuminated. Without light, how is possible to be visible? Simply impossible.

Therefore, NOVA has 3 states:

1)Visible (illuminated Satellite)
2)Sun ("" ""
3)Eclispe (NON illuminated Sat)

But I complete agree with: "if a satellite is sunlit or not has nothing to do with greyline and sunlight/night on our Earth".

.. and I remember dozens evening & night's asceding passes of AO-7 from East-South to North during last months,
where the AO-7 was over the dark side of planet's surface, but it was "ON".
However, NOVA always under this case wrote: "Visible" or "Sun".
****

John,

about your note I have to say that:

definitely the latest behavior of AO-7 has to do with Grey-Line's crossing.
I agree. Just I diversify with your note about the crossing-timing of footprint with Grey-Line. I think, the Satellite is "turned-ON" when is about
1000-2000 Km behind of Greyline (over the dark area) and is mooving forward to
the Daylight. At that time, a part of footprint is already into Daylight.

Today evening, I noticed about just the same.
Asceding orbit 50572, 15:55 Z -16:04 nothing heard. Probably was OFF.
At 16:05 Z I heard (suddenly) 2,3 signals on CW, but very weak.

I can't explain also this unusual, strange ECHO on Downlink-signals ! It's always here,
when the Downlink signal is very weak.
(That remembers to me the "HF propagation", when the signal is received from Short & Long path the same time !)

Another observation: it's obvious my Power is not enough anylonger for accessing of AO-7.
I say that because, tonight even if I heard clear somebody to call CQCQ, it was unable to access the Satellite with my 50 Watts ERP in order to answer

to him.
It's obvious that, AO-7 needs much more Uplink Power now.

Desensitization of AO-7's receiver ? Bad power-budget?
I don't know... I have no any comment here.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, October 11, 2007 12:40
Subject: Re: [eu-amsat] The laws of physics.

> John Hackett schrieb:
>>
>> NB.
>>
>> It's interesting to note that when the *footprint* crosses the grey
>> line ... (a phenomenon I've monitored for several days now) ... the
>> solar panels are in full illumination ... (theoretically !!!) ... but
>> the transponder appears to be OFF and switches ON just as the
>> footprint crosses the line.
>>
>> A coincidence? ... I think not, but I don't have a "sensible"
>> explanation.
>>
>> Explanations are invited to EU-Amsat.
>>
>> 73 John. <la2qaa@...>
>>
> Hello John
>
> Where come the info from, that the solar panels are in full illumination ?
> In general if a satellite is sunlit or not has nothing to do with
> greyline and sunlight/night on our Earth. This is a widespreaded
> mistake. I heard the 2m-beacon from AO-7 also in the night and it was
> in full sunlight. I calculate eclipses with James' G3RUH's PLAN-13
> software. You can find it here:
> http://www.amsat.org/amsat/articles/g3ruh/111.html
>
> There are also programs, which calculates the "visibility" which
> indicates, if the satellite is visible by eye. This has also nothing
> to do with an illuminated satellite.
>
> I hope, my explanations are correct. This is a very interesting theme
> and I'm open for further discussions and corrections.
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>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA

> _____
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> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000780-0, 10/09/2007
> Tested on: 10/11/2007 12:49:59
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
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>

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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/11/2007 20:40:30
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981. RE: [eu-amsat] AO-7 Events.

Yahoo group: eu-amsat
Date: 2007-10-11 17:50:13 UTC
From: John Hackett
Topic: 977 Message: 981

Mak,
Correct, orbit 50576 ... ACCORDING TO THE AO-7 RESOURCE PAGE LOG.

Remember, the AO-7 Resource page orbit number and the NOVA orbit number are *NOT* the same.

It's rather silly that the software writers use different algrothims for their tracking ... it confuse !!! people.

50576 was the orbit from the AO-7 log. I checked both InstantTRACK and NOVA for the satellite position. I use InstantTRACK for it's ITune facility ... (old rigs, no CAT interface) and NOVA for it's superior graphics. Ther programs don't agree "EXACTLY".

I hope that clears up the confusion Mak.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 11 Oct 2007 14:37:25 +0300
Subject: Re: [eu-amsat] AO-7 Events.

John,

I read all Emails, I will write later my
opinion.

However you wrote:

-"Here are the events for the 50576 pass.

08:37
... AOS but nothing heard from the transponder....."

Sorry, I'm confusing with that... 50576 orbit
???????? Just now the AO-7 orbiting the #50569.
If you mean 50567 (and not 576), then the Satellite wasn't
in range for you @ 08.37 - 08:40 according
to my NOVA.

Have you make a little mistake here or my Computer
is "crazy" ?

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...

Sent: Thursday, October 11, 2007
14:16
Subject: [eu-amsat] AO-7 Events.

Here are the events for the 50576 pass.

08:37 ... AOS
but nothing heard from the transponder.
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strong downlink now but still nothing heard.
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signal.
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This time
we can "assume" the satellite is in mode-C.

Interestingly, once again,
the solar array was (theoretically) in full sunlight but the footprint was 90%
in darkness at AOS when the transponder is supposedly OFF. I have no logical
excplanation for this.

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avast!
Antivirus: Inbound message clean.
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Tested on: 10/11/2007 14:37:30
avast! - copyright (c) 1988-2007 ALWIL Software.

982. Interesting !!!.

Yahoo group: eu-amsat
Date: 2007-10-11 18:08:48 UTC
From: John Hackett
Topic: 974 Message: 982

Well Mak,
I use less than 50w EIRP so there's more to this than meets the eye.

I hope !!!!! I'm wrong when I remind you about the two stations I mentioned 14 days ago with their *EXTREME* power.

One thing's for sure, that kind of power is *NOT* good for AO-7 and could well have "knocked" the satellite into a mode-A/C switching period ... this *IS* possible.

You may remember I did warn a couple of months ago, when I first noticed the imminent changing of the transponder modes about what *could* happen with excessive power abuse.

I fear it has now happened ... though I sincerely hope I am wrong and it's just a passing phase ... (pardon the pun).

Time will tell.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 11 Oct 2007 20:39:19 +0300
Subject: Re: [eu-amsat] The laws of physics.

...yes indeed gentlemen, it's a very interesting theme. I wonder also

several times about that.

Thomas, because I'm using NOVA for several years, the "Visible" is always

when the satellite is illuminated. Without light, how is possible to be

visible? Simply impossible.

Therefore, NOVA has 3 states:

1)Visible (illuminated Satellite)

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3)Eclispe (NON illuminated Sat)

But I complete agree with: "if a satellite is sunlit or not has nothing to

do with greyline and sunlight/night on our Earth".

.. and I remember dozens evening & night's asceding passes of AO-7 from

East-South to North during last months,

where the AO-7 was over the dark side of planet's surface, but it was "ON".

However, NOVA always under this case wrote: "Visible" or "Sun".

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(That remembers to me the "HF propagation", when the signal is received

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to him.

It's obvious that, AO-7 needs much more Uplink Power now.

Desensitization of AO-7's receiver ? Bad power-budget?

I don't know... I have no any comment here.

73, Mak SV1BSX

----- Original Message -----

From: "Thomas Frey" <th.frey@tiscalinet.ch>

To: <eu-amsat@yahoogroups.com>

Sent: Thursday, October 11, 2007 12:40

Subject: Re: [eu-amsat] The laws of physics.

> John Hackett schrieb:

>>

>> NB.

>>

>> It's interesting to note that when the *footprint* crosses the grey

>> line ... (a phenomenon I've monitored for several days now) ... the

>> solar panels are in full illumination ... (theoretically !!!) ... but

>> the transponder appears to be OFF and switches ON just as the

>> footprint crosses the line.

>>

>> A coincidence? ... I think not, but I don't have a "sensible"

>> explanation.

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>> Explanations are invited to EU-Amsat.

>>

>> 73 John. <la2qaa@...>

>>

> Hello John

>

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> In general if a satellite is sunlit or not has nothing to do with

> greyline and sunlight/night on our Earth. This is a widespreaded

> mistake. I heard the 2m-beacon from AO-7 also in the night and it was

> in full sunlight. I calculate eclipses with James' G3RUH's PLAN-13

> software. You can find it here:

> http://www.amsat.org/amsat/articles/g3ruh/111.html

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> There are also programs, which calculates the "visibility" which

> indicates, if the satellite is visible by eye. This has also nothing

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> and I'm open for further discussions and corrections.

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>

> Mit freundlichen Grüssen, Regards, 73

> Thomas Frey, HB9SKA

> _____

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

> http://home.datacomm.ch/th.frey/

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> Yahoo! Groups Links

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> avast! Antivirus: Inbound message clean.

> Virus Database (VPS): 000780-0, 10/09/2007

> Tested on: 10/11/2007 12:49:59

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avast! Antivirus: Outbound message clean.

Virus Database (VPS): 000780-0, 10/09/2007

Tested on: 10/11/2007 20:40:30

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http://www.avast.com

983. RE: AO-7 sleuthing

Yahoo group: eu-amsat
Date: 2007-10-11 18:34:30 UTC
From: John Hackett
Topic: 983 Message: 983

Hello James,
A pleasure to meet you my friend.

Yes, AO-7 *can* be fully illuminated ... (depending on it's position and direction) ... before the ground-based "Greyline" prediction occurs at a particular QTH at AOS.

The opposite can also be true ... you're right !!!, celestial mechanics are very! interesting.

Mode-C is a QRP version of mode-B. Originally with 2 watts from the transponder but that was in 1974 !!!. One can only assume that after 31 years od space dust "decorating" the solar array this power would be rather optimistic ... but that is speculation because recently the old girl was! producing a bit of power in mode-B ... but a lot less in mode-A. Of course, nobody knows the *actual* power because there are so many variables with prediction software/power budget calculating software etc.

You mentioned radio astronomy ... I have the dubious distinction of being born within spitting distance of JODRELL BANK, when I was a kid, the world's largest radio telescope (and the first to command to Sputnik 2) ... so don't let the LA callsign fool you ... I'm a senile old Limey !!! ... ex: Signals c/o Her Majesty's Service ... and ex: NATO ... which is why I ended up on Frei Island, Norway.

I hope you don't mind me putting this on the Amsat-bb, I was asked particularly by several people on your side of the pond to keep "you lot" posted on developements.

My own "theory" is that two alligators several days ago "knocked" AO-7 into a mode-A/C switching sequence.

The "usual" mode-B winter/mode-A summer switching has gone off track ... (I did warn about this several weeks back but got shot down).

As I mentioned preiously, to fully understand AO-7's "case history" one needs to read all of it ... not just selected pieces. It's an interesting story ... and one I'm surprised Amsat have not taken more interest in since there are so many "firsts" for AO-7 and the old girl is *STILL* producing a few surprises.

Have a good day! Jim and thank you for your mail, a pleasure!.

73 John. <la2qaa@...> AO-7 Log Admin:

<http://www.planetemily.com/ao7/ao7log.php>

Homepage: <http://www.observations.biz/>
.....

> Date: Thu, 11 Oct 2007 14:11:20 -0400
> From: jhjipping@...
> To: la2qaa@...

> Subject: AO-7 sleuthing
>
> John:
>
> You are quite a sleuth. And having fun at it.
>
> You have me interested in doing my own watching/listening. A comment
> and question.
>
> When the footprint crosses the grey line, the "footpint" is on the
> ground, but Ao-7 is in orbit. It is possible for the bird to be full
> sunlight before it's footprint crosses the greyline. Depending, of
> course, it's dirrection of travel. What do you think ???
>
> What is mode "C" ?? I know mode "A" and "B" but ======= "C" ?? I, too
> worked AO-7 in the early days when she was but a youngster. Not with
> the same gear I have now, but with lots of success and , now, fond memories
>
> By the way, your approach and activities in watching AO-7 reminds me of
> what, I believe to be one of the most exiting science ---- radio
> astronomy.
>
> Jim Jipping, W8MRR
> AMSAT 5512 (small number , old geezer)

984. Re: [eu-amsat] The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 21:55:49 UTC
From: Thomas Frey
Topic: 974 Message: 984

SV1BSX schrieb:
> ...yes indeed gentlemen, it's a very interesting theme. I wonder also
> several times about that.
>
> Thomas, because I'm using NOVA for several years, the "Visible" is always
> when the satellite is illuminated. Without light, how is possible to be
> visible? Simply impossible.
>
Mak, you'r right. I'd said not the opposite.

> Therefore, NOVA has 3 states:
>
> 1)Visible (illuminated Satellite)
>
"1) Visible" is only half correct. The satellite could be with one half
of his body in sunlight and visible on earth and in eclipse with the
other half of his body. Are the solarpanels in the eclipe, then no
solarpower is available albeit the satellite is "visible".

> 2)Sun ("" ""
> 3)Eclispe (NON illuminated Sat)
>
G3RUH's PLAN-13 program knows 4 states: Sunlit, Eclipse, Sunlit/eclipsed
and Eclipse/shadowed.

> But I complete agree with: "if a satellite is sunlit or not has nothing to
> do with greyline and sunlight/night on our Earth".
>
> .. and I remember dozens evening & night's asceding passes of AO-7 from
> East-South to North during last months,
> where the AO-7 was over the dark side of planet's surface, but it was "ON".
> However, NOVA always under this case wrote: "Visible" or "Sun".
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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

985. Re: [eu-amsat] The laws of physics.

Yahoo group: eu-amsat
Date: 2007-10-11 22:05:46 UTC
From: SV1BSX
Topic: 974 Message: 985

...hmm, OK Thomas, tks for additional info. G3RUH's PLAN-13 program seems to be much-more
complete than anything else.
BTW, I was looking NOVA's Help about more details, but unfortunately is very poor about
this theme.

Thanks again... we grow-up, we learn...

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, October 12, 2007 00:55
Subject: Re: [eu-amsat] The laws of physics.

> SV1BSX schrieb:
>> ...yes indeed gentlemen, it's a very interesting theme. I wonder also
>> several times about that.
>>
>> Thomas, because I'm using NOVA for several years, the "Visible" is
>> always
>> when the satellite is illuminated. Without light, how is possible to be
>> visible? Simply impossible.
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> Mak, you'r right. I'd said not the opposite.
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>> 1)Visible (illuminated Satellite)
>>
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> of his body in sunlight and visible on earth and in eclipse with the
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> G3RUH's PLAN-13 program knows 4 states: Sunlit, Eclipse, Sunlit/eclipsed
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>> East-South to North during last months,
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000780-0, 10/09/2007
> Tested on: 10/12/2007 00:59:46
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/12/2007 01:05:50
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http://www.avast.com

986. Re: [eu-amsat] Interesting !!!.

Yahoo group: eu-amsat
Date: 2007-10-11 22:39:30 UTC
From: SV1BSX
Topic: 974 Message: 986

John,

I was thinking that after your message:

it's strange but I didn't notice any difference the last 3-4 days on Mode-A downlink signal.
Yesterday I had a nice QSO (SSB) with IK0DPX, and because it's not the first time, the Downlink
signal was 55 on both sides - as usual.

So I mean that, I think the Mode-A is unchanged (even if that needs more observation).
But on Mode-B, definitely we have a completely different situation with much more weaker Downlink signals.

BTW about 50 Watts ERP, John you know me well enough, I never used from my side more Power. But now, in order
to have the opportunity to test the Satellite when it seems to be desensitized on Mode-B, I would like to have +3dB above
my usual ERP. Just for test and observation, not for using this Power always.
That was my thought and nothing to do with QRO.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Thursday, October 11, 2007 21:08
Subject: [eu-amsat] Interesting !!!.

Well Mak,
I use less than 50w EIRP so there's more to this than meets the eye.

I hope !!!!! I'm wrong when I remind you about the two stations I mentioned 14 days ago with their *EXTREME* power.

One thing's for sure, that kind of power is *NOT* good for AO-7 and could well have "knocked" the satellite into a mode-A/C switching period ... this *IS* possible.

You may remember I did warn a couple of months ago, when I first noticed the imminent changing of the transponder modes about what *could* happen with excessive power abuse.

I fear it has now happened ... though I sincerely hope I am wrong and it's just a passing phase ... (pardon the pun).

Time will tell.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 11 Oct 2007 20:39:19 +0300
Subject: Re: [eu-amsat] The laws of physics.

...yes indeed gentlemen, it's a very interesting theme. I wonder also several times about that.

Thomas, because I'm using NOVA for several years, the "Visible" is always when the satellite is illuminated. Without light, how is possible to be visible? Simply impossible.

Therefore, NOVA has 3 states:

1)Visible (illuminated Satellite)
2)Sun ("" ""
3)Eclispe (NON illuminated Sat)

But I complete agree with: "if a satellite is sunlit or not has nothing to do with greyline and sunlight/night on our Earth".

.. and I remember dozens evening & night's asceding passes of AO-7 from East-South to North during last months,
where the AO-7 was over the dark side of planet's surface, but it was "ON".
However, NOVA always under this case wrote: "Visible" or "Sun".
****

John,

about your note I have to say that:

definitely the latest behavior of AO-7 has to do with Grey-Line's crossing.
I agree. Just I diversify with your note about the crossing-timing
of footprint with Grey-Line. I think, the Satellite is "turned-ON" when is about
1000-2000 Km behind of Greyline (over the dark area) and is mooving forward to
the Daylight. At that time, a part of footprint is already into Daylight.

Today evening, I noticed about just the same.
Asceding orbit 50572, 15:55 Z -16:04 nothing heard. Probably was OFF.
At 16:05 Z I heard (suddenly) 2,3 signals on CW, but very weak.

I can't explain also this unusual, strange ECHO on Downlink-signals ! It's always here,
when the Downlink signal is very weak.
(That remembers to me the "HF propagation", when the signal is received from Short & Long path the same time !)

Another observation: it's obvious my Power is not enough anylonger for accessing of AO-7.
I say that because, tonight even if I heard clear somebody to call CQCQ, it was unable to access the Satellite with my 50 Watts ERP in order to answer to him.

It's obvious that, AO-7 needs much more Uplink Power now.

Desensitization of AO-7's receiver ? Bad power-budget?
I don't know... I have no any comment here.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, October 11, 2007 12:40
Subject: Re: [eu-amsat] The laws of physics.

> John Hackett schrieb:
>>
>> NB.
>>
>> It's interesting to note that when the *footprint* crosses the grey
>> line ... (a phenomenon I've monitored for several days now) ... the
>> solar panels are in full illumination ... (theoretically !!!) ... but
>> the transponder appears to be OFF and switches ON just as the
>> footprint crosses the line.
>>
>> A coincidence? ... I think not, but I don't have a "sensible"
>> explanation.
>>
>> Explanations are invited to EU-Amsat.
>>
>> 73 John. <la2qaa@...>
>>
> Hello John
>
> Where come the info from, that the solar panels are in full illumination ?
> In general if a satellite is sunlit or not has nothing to do with
> greyline and sunlight/night on our Earth. This is a widespreaded
> mistake. I heard the 2m-beacon from AO-7 also in the night and it was
> in full sunlight. I calculate eclipses with James' G3RUH's PLAN-13
> software. You can find it here:
> http://www.amsat.org/amsat/articles/g3ruh/111.html
>
> There are also programs, which calculates the "visibility" which
> indicates, if the satellite is visible by eye. This has also nothing
> to do with an illuminated satellite.
>
> I hope, my explanations are correct. This is a very interesting theme
> and I'm open for further discussions and corrections.
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
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>
>
> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 000780-0, 10/09/2007
> Tested on: 10/11/2007 12:49:59
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/11/2007 20:40:30
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

avast! Antivirus: Inbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/11/2007 22:40:10
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/12/2007 01:39:33
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http://www.avast.com

987. More on the Greyline theory.

Yahoo group: eu-amsat
Date: 2007-10-11 23:21:19 UTC
From: John Hackett
Topic: 987 Message: 987

Gents,
Don't give up on my "hare-brained" Greyline theory just yet. Remember ... it's not just a "flat" line on the globe we're talking discussing here.

For all intents and purposes "space" is 3 dimensional.

Thomas's point is IMPORTANT ... regarding illumination.

Half of the satellite may be illuminated while the other half isn't, much depends on the attitude in relation to the sun ... but some tracking software doesn't always predict these parameters and those that do hardly ever agree with eachother.

So which is correct? ... don't ask me !!!.

As long as the signals have been "booming" in nobody has bothered much about minor details and possible small perbutations. Now may be the time for a bit more study.

The following is a mail from Ken GW1FKY, with a *VERY* good suggestion for a beacon. I think we should support it ... coupled with my previous suggestion for a redundancy back-up system for a beacon ... it's a great idea.

We are now seeing now just how important the beacon is.

Interestingly, IMHO, AO-7 has taught more people more things about satellite operating than AO-51 ever will.

73 John. <la2qaa@...>

From: GW1FKY@...
Date: Thu, 11 Oct 2007 15:10:38 -0400
Subject: Re: [amsat-bb] The laws of physics.
To: la2qaa@...

Hi John,
Many thanks for your interesting observations and experiences with the operation of AO-7.
I was wondering whether what you stated about the "Footprint " & the "Greyline" information is perhaps the key factor. As we are using software to predict the relative position against what might be the real point that the satellite sees illumination, is it perhaps a factor of error in the modelling that is used?
Just a thought and it would be useful if could confirm the accuracy with future satellites if they had a beacon which did switch on as a result of solar illumination and not as a function of software or a timer.
Regards
Ken Eaton
GW1FKY

Amsat- UK
Amsat -NA

988. AO-51 is down

Yahoo group: eu-amsat
Date: 2007-10-12 01:52:10 UTC
From: Andrew Glasbrenner
Topic: 988 Message: 988

At 1848Z over Europe today, the software on AO-51 crashed, shutting down both transmitters. Subsequently the repeater and BBS will be down for several days while the command stations reload. Sorry for any inconvenience.

73, Drew KO4MA
AMSAT-NA Vice President of Operations

989. Fw: An AO-7 observation

Yahoo group: eu-amsat
Date: 2007-10-12 08:30:41 UTC
From: SV1BSX
Topic: 989 Message: 989

```
----- Original Message -----
From: "John Meeks" <jmeek@...>
Sent: Friday, October 12, 2007 06:30
Subject: [amsat-bb] An AO-7 observation

>
> In the three minutes before AO-7 switched to Mode A there was a marked
> increase in the downlink signal. The switch occured at ~0141z. Prior to
> this timeframe I heard some CW just over the noise but could not copy.
> QSO with WA6DIR was interupted with the mode change.
>
> I can't determine if the increased signal was due to a shift in relative
> polarization or an AO-7 internal process, but it's orbital path was more
> or less parallel to the sun line at about 48 degrees latitude. It might be
> of interest to gather more observations just before mode changes.
>
> KC8ZFN
> John
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/12/2007 11:30:50
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com
```

990. AO-7/A report

Yahoo group: eu-amsat
Date: 2007-10-12 18:54:44 UTC
From: SV1BSX
Topic: 990 Message: 990

Excellent Downlink signal from AO-7 during this evening .
I heard very Loud & Clear Henri, F3ZD with F2IL in a "long-play" CW QSO ~17.00 UTC.
Both signals 559, sometimes peaking upto 599.

The next pass ~17:50 Z was weaker on my receiver, but is still good enough and easily workable
even if nobody answered to my CQ call (CW).

AO-7's transponder in Mode-A seems to be in very good shape.

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000780-0, 10/09/2007
Tested on: 10/12/2007 21:54:52
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http://www.avast.com

991. RE: [amsat-bb] testing the gret line theory

Yahoo group: eu-amsat
Date: 2007-10-13 09:11:56 UTC
From: John Hackett
Topic: 991 Message: 991

Good one !!!! John, thanks.

73 John 2. <la2qaa@...>
.....

> From: g7hia@...
> To: la2qaa@...
> CC: amsat-bb@amsat.org
> Subject: Re: [amsat-bb] testing the gret line theory
> Date: Fri, 12 Oct 2007 16:05:03 +0100
>
> Thanks to all for an intersting thread.
>
> There is a possible way to check out the grey line in space.
> Monitor the 70cms CW beacon on LO-19.
> No code hams (like me) Use Hamscope or CWget and a soundcard to decode the
> Morse
>
> Chanel 7 gives the solar panel voltage on the +Z surface of the satellite.
>
> That excellent book, The Digital Satellite & Telemetry Guide by Gould Smith
> WA4SXM has all the details.
>
> 73 all
>
> G7HIA
>

992. Re: [amsat-bb] Re: LEO in Europe

Yahoo group: eu-amsat
Date: 2007-10-14 15:21:00 UTC
From: Luc Leblanc
Topic: 992 Message: 992

On 14 Oct 2007 at 14:04, Paulo Pinto wrote:

> Hi Bob,
>
> Thanks for the reply.
> I am not fed up with LEO FM repeaters. I am fed up with some operating
> pratices. But maybe it's just me waking up with a bad humor. Thanks for the
> tip. I will try GO-32. Thanks for all your efforts in providing us such
> valuable information and satellites.
>
> It was a relief. I apologize for doing it in the AMSAT-BB list.
>
>
> Paulo, CT1ETE
>
>
>
> If you are fed up with LEO FM repeaters, then try something new. You have
> eveyrthing you need. Just change freqeucnies!
>
> > the use of LEO's... is more frustration than satisfaction.
> > I feel like willing to dive into the deep abysm.
> > Crash my Arrow antenna and my TH-D7 and say goodbye.
> > I quit.
>
> The D7 is 100% ready to go for two-way LEO Packet satellite QSO. The arrow
> will make it work very well. See how:
>
> http://www.ew.usna.edu/~bruninga/GO32-ops.html
>
> No congestion, lots of room.
> Good luck.

"I am not fed up with LEO FM repeaters. I am fed up with some operating
pratices"

THE solution you have just to tell them if it is always the same "offenders"

Someone send me a .wav file many years ago of a repeater activated by a tone
burst in EU it was a bit like what we used to hear on 27mhz at that time one
channel too many users that's the Darwin selection theory in his full sense.

Yes a part of the problem are the users but the single channel satellite is the
vector of the sickness...

The same is also true for the transponder type satellite but at a lesser degree

My advice before quitting tell them and tell us all. normally nobody wants to have their name and call sign associated with theses three letters LID.

As a reference you can read my recent post on the thread "Longwindedness" some "senior" or not will have their name and call sign with in bonus some recording posted on internet...If they don't understand by the head they will probably by "CENSORED BY AMSAT-NA..."

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

993. Possibly !!!.

Yahoo group: eu-amsat
Date: 2007-10-14 22:39:25 UTC
From: John Hackett
Topic: 993 Message: 993

When I first lanced my greyline "theory" last week to try to explain some of the anomolies we're experiencing on AO-7 mode-B lately while it dragged itself along ther greyline, I was fully expecting to be publicly flogged at the very least, possibly lined up against the nearest wall and shot but at the very least ridiculed and hung out to dry.

Imagine my surprise therefore when several stations actually agreed that this "theory" was a possibility ... my main point ... (in the original mail) ... was that the greyline is actually *NOT* a flat line on the globe to make HF software look good.

(For the "stick-in-the muds", these ovservations are, like the originals that were published in Oscar News and The Amsat Journal, very much "tongue-in-cheek" ... with attempt at making an otherwise boring subject paletable to the potential newcomer ... or ... to alleviate some of the pomposity sometimes found in 'technical' organisations ... yes, I know, the regulars have heard asll this before ... but hopefully, Amsat can still pull in an odd recruit or three.

Long time readers of the original 'Observations from Norway' ... (pre-internet) ... will recall that I always professed to having two (2) activer braincells and that my partner-in-crime, the illustrious GM1SXX ... (hereafter known as "The twisted Pair" ... had three.

However, judging by his latest missive ... (below) ... he now only has two but hey! that's still 1200% more than me since my two have deteriorated to one.

This makes sed GM1SXX 300% ... (you work it out) ... more coherent than I .,.. therefore, I invite ya'll to read GM1SXX's ramblings rather than my own ... (see below).

Anyone being a "sucker" for punishment may peruse our webpage at
<http://www.observations.bix>

I hope this will appease those gentlemen ... (old timers all) ... who requested more of the same.

To the stick-in-the-muds, I profoundly apologise ... though I believe I'm *NOT* treading on anyones toes since the bb professes to be in the land of the free.

I can thoroughly recommend that newcomers read Commander John Brennegan's 'SATGEN' bulletins, archived on our *Observations* site, curtesy of GM1SXX.

With respect.

73 John.

<http://www.observations.biz/Joint_Observations/Observations_14_10_2007.htm>

<http://www.observations.biz/>

994. FW: Corrected URL!

Yahoo group: eu-amsat
Date: 2007-10-14 22:57:10 UTC
From: John Hackett
Topic: 994 Message: 994

From: allan_gm1sxx@...
To: archie.hackett@...
Subject: Corrected URL!
Date: Sun, 14 Oct 2007 13:49:11 +0000

http://www.observations.biz/Joint_Observations/Observations_14_10_2007.htm

Cheers,

Al.

Play Movie Mash-up and win BIG prizes!

995. ...and the good news is ...

Yahoo group: eu-amsat
Date: 2007-10-15 08:55:30 UTC
From: John Hackett
Topic: 995 Message: 995

Ladies & Gentlemen,
The good news is that AO-7's mode-B transponder was "almost" back to normal this morning.

That is to say, signals were *MUCH* stronger than they have been for the last 7 days "outings" in mode-B ... though I did experience some clipping.

Presumably, AO-7 has 'also' been suffering from a bout of influensa ... it being that time of year and all ...

(It's all that spacedust in the bronchial 'tubes'.....GM1SXX).

Of course, it has absolutely nowt! to do with the fact that the old girl was plodding along the "right" side of the blue "Weggie" line.

73 John. <la2qaa@...>

996. Re: [eu-amsat] ...and the good news is ...

Yahoo group: eu-amsat
Date: 2007-10-15 09:33:39 UTC
From: Thomas Frey
Topic: 995 Message: 996

John Hackett schrieb:
> Ladies & Gentlemen,
> The good news is that AO-7's mode-B
> transponder was "almost" back to normal this morning.
>
> That is to say, signals were *MUCH* stronger than they have been for
> the last 7 days "outings" in mode-B ... though I did experience some
> clipping.
>
> Presumably, AO-7 has 'also' been suffering from a bout of influensa
> ... it being that time of year and all ...
>
Hello John

Have you also heard the 2m beacon today ? Also interesting would be,
if AO-7 switches to Mode-A tomorrow.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

997. RE: [eu-amsat] ...and the good news is ...

Yahoo group: eu-amsat
Date: 2007-10-15 15:08:34 UTC
From: John Hackett
Topic: 995 Message: 997

Hello Thomas,
I fully expect AO-7 to switch to mode-A for tomorrow (Tuesday).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 15 Oct 2007 11:33:39 +0200
Subject: Re: [eu-amsat] ...and the good news is ...

John Hackett schrieb:

> Ladies & Gentlemen,

> The good news is that AO-7's mode-B

> transponder was "almost" back to normal this morning.

>

> That is to say, signals were *MUCH* stronger than they have been for

> the last 7 days "outings" in mode-B ... though I did experience some

> clipping.

>

> Presumably, AO-7 has 'also' been suffering from a bout of influensa

> ... it being that time of year and all ...

>

Hello John

Have you also heard the 2m beacon today ? Also interesting would be,

if AO-7 switches to Mode-A tomorrow.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

998. AO-10 question

Yahoo group: eu-amsat
Date: 2007-10-16 13:33:52 UTC
From: SV1BSX
Topic: 998 Message: 998

Hi all,

during last weeks I have read several times that: "AO-10 is semi-operational".

What are they mean "semi-operational" ??? As I know this Satellite
is dead, or occasionally it has a very-very weak beacon when is out of eclipse.
Therefore is non usable for any Amateur radio use.

Even W4SM's "Unofficial" Web Page is without any new update after 2000.

Has anyone on this group any up-to-date info?

I ask because, AO-7 is determined also "semi operational" in the list, but is full
functional in Sunlight.

AO-10 is "semi operational" about what? About the Beacon which needs the.... ARECIBO's dish
in order to be
detectable?

I wonder...

73, Mak SV1BSX

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000781-1, 10/14/2007
Tested on: 10/16/2007 16:34:00
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http://www.avast.com

1000. Re: [eu-amsat] AO-10 question

Yahoo group: eu-amsat
Date: 2007-10-16 15:36:12 UTC
From: Andrew Glasbrenner
Topic: 998 Message: 1000

I haven't heard of anyone making a QSO in 3-4 years on AO-10. Right now perigee is over my QTH in the early evening (still in sun) and I've listened and looked with spectrum display software...nothing there.

73, Drew KO4MA

-----Original Message-----
From: SV1BSX
Sent: Oct 16, 2007 9:33 AM
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] AO-10 question

?Hi all,

?

during last weeks I have read several times that: "AO-10 is semi-operational".

?

?What are they mean "semi-operational" ???? As I know this Satellite

is dead, or occasionally it has a very-very weak beacon when is out of eclipse.

Therefore is ?non usable for any Amateur radio use.

?

Even W4SM's "Unofficial" Web Page is without any new update after 2000.

Has anyone on this group any up-to-date info?

?

I ask because,? AO-7 is determined also? "semi operational"??in the list, ?but is full functional in Sunlight.

?

AO-10 is? "semi operational" about what?? About the Beacon which needs the.... ARECIBO's dish in order to be

detectable?

?

I wonder...

?

73, Mak SV1BSX

?

?

?

Email: sv1bsx@yahoo.gr
URL? : http://sv1bsx.50webs.com

avast! Antivirus (http://www.avast.com): Outbound message clean.
Virus Database (VPS): 000781-1, 10/14/2007
Tested on: 10/16/2007 16:34:00
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1001. Re: [eu-amsat] AO-10 question

Yahoo group: eu-amsat
Date: 2007-10-16 15:38:04 UTC
From: Thomas Frey
Topic: 998 Message: 1001

SV1BSX schrieb:
> Hi all,
>
> during last weeks I have read several times that: "AO-10 is
> semi-operational".
>
> What are they mean "semi-operational" ??? As I know this Satellite
> is dead, or occasionally it has a very-very weak beacon when is out of
> eclipse.
> Therefore is non usable for any Amateur radio use.
>
> Even W4SM's "Unofficial" Web Page is without any new update after 2000.
>
> Has anyone on this group any up-to-date info?
>
> I ask because, AO-7 is determined also "semi operational" in the
> list, but is full functional in Sunlight.
>
> AO-10 is "semi operational" about what? About the Beacon which needs
> the.... ARECIBO's dish in order to be
> detectable?
>
> I wonder...
>
> 73, Mak SV1BSX
>
>
Hello Mak and group

Do they mean the whole satellite is "semi operational" and not only a
transponder ? A transponder or beacon works or it works not. I wonder
also about "semi operational". A report about the whole satelite makes
also no sense, especially about AO-7. It is necessary to workaround the
ANS "Weekly Satellite Report". Also the "Operational OSCAR Satellite Status
Summary" on their homepage is not up-to-date. Its "Updated 9 Apr, 2006".
PLEASE !! Do you read a newspaper from April 2006 ??

To AO-10: After its failure 2002(?) its beacon was heard few times in
the sun, but its transponder was unusable. AO-10 as satellite is DEAD,
not "semi operational".

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1002. Re: [eu-amsat] AO-10 question

Yahoo group: eu-amsat
Date: 2007-10-16 18:44:23 UTC
From: SV1BSX
Topic: 998 Message: 1002

..tks Drew, KO4MA & Thomas, HB9SKA for your answers about AO-10.

73, Mak SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000781-1, 10/14/2007
Tested on: 10/16/2007 21:45:03
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http://www.avast.com

1004. Not true.

Yahoo group: eu-amsat
Date: 2007-10-16 21:00:29 UTC
From: John Hackett
Topic: 1003 Message: 1004

Dave,
As a moderator of the EU-Amsat reflector I don't appreciate you using it for commercial advertising purposes.

As a Ham, you should know better.

I can assure you that a Primesat controller is *NOT* 'absolutely essential' for aerial alignment, doppler correction etc on *ANY* satellite in ANY orbit ... a "convenience", yes, "absolutely essential?" ....
absolutely not.

There are several (free) programs available to satellite enthusiasts on the internet that already perform the functions you mention ... by using PIC controllers or even simple A/D converters.

I'd aim your advertising towards the other side of the pond
(I noticed you already did) since most of the European satellite operators build their own gear.

73 John. <la2qaa@...>
To: amsat-bb@...; dorset_amateur_radio@yahoogroups.com; PrimeSatCtrl@yahoogroups.com; eu-amsat@yahoogroups.com
From: Dave@g1ocn.com
Date: Tue, 16 Oct 2007 21:14:20 +0100
Subject: [eu-amsat] PrimeSat Controller for sale - Price amendment.

"The PrimeSat Controller is a complete and automatic controller for

Satellite

Communication Stations.

When there is the need to communicate by voice or data through a circular

or elliptical, low or high orbit satellite, it is absolutely essential to

have a

continuous adjustment of the antennas and station operating frequencies,

in order to guarantee the best alignment and RF signal, as also the correct

frequency compensation due to Doppler effect."

http://www.primetec.pt/products.php?sec=2&cat=3&prod=12&lang=en

Mail direct for any questions.

Prefer to sell in the U.K.

For sale @ £120:00p

Cheers,

Dave.

1005. Re: [eu-amsat] Not true.

Yahoo group: eu-amsat
Date: 2007-10-16 21:15:33 UTC
From: Dave Aitch
Topic: 1003 Message: 1005

Is there anything you don't moderate John ?

I didn't spot anything on the yahoo page that said no adverts.

73,

Dave.

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <eu-amsat@yahoogroups.com>
Cc: <dave@...>; <sv1bsx@...>; <allan_gm1sxx@...>
Sent: Tuesday, October 16, 2007 10:00 PM
Subject: [eu-amsat] Not true.

Dave,
As a moderator of the EU-Amsat reflector I don't appreciate you
using it for commercial advertising purposes.

As a Ham, you should know better.

I can assure you that a Primesat controller is *NOT* 'absolutely essential'
for aerial alignment, doppler correction etc on *ANY* satellite in ANY orbit
... a "convenience", yes, "absolutely essential?" ....
absolutely not.

There are several (free) programs available to satellite enthusiasts on the
internet that already perform the functions you mention ... by using PIC
controllers or even simple A/D converters.

I'd aim your advertising towards the other side of the pond
(I noticed you already did) since most of the European satellite operators
build their own gear.

73 John. <la2qaa@...>
To: amsat-bb@...; dorset_amateur_radio@yahoogroups.com;
PrimeSatCtrl@yahoogroups.com; eu-amsat@yahoogroups.com
From: Dave@...
Date: Tue, 16 Oct 2007 21:14:20 +0100
Subject: [eu-amsat] PrimeSat Controller for sale - Price amendment.

"The PrimeSat Controller is a complete and automatic controller
for

Satellite

Communication Stations.

When there is the need to communicate by voice or data through a circular

or elliptical, low or high orbit satellite, it is absolutely essential to

have a

continuous adjustment of the antennas and station operating frequencies,

in order to guarantee the best alignment and RF signal, as also the correct

frequency compensation due to Doppler effect."

http://www.primetec.pt/products.php?sec=2&cat=3&prod=12&lang=en

Mail direct for any questions.

Prefer to sell in the U.K.

For sale @ ?120:00p

Cheers,

Dave.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.5.488 / Virus Database: 269.14.13/1074 - Release Date: 16/10/2007
14:14

1006. RE: [eu-amsat] Not true.

Yahoo group: eu-amsat
Date: 2007-10-16 21:40:22 UTC
From: John Hackett
Topic: 1003 Message: 1006

Hello Dave,
Well, it's all about the gentleman's agreement within amateur radio ... I assume you know about that ... where amateur radio as a hobby shouldn't be used for commercial gain.

EU-amsat is a site set up for and by amateur radio satellite enthusiasts ... perhaps we have the odd member who doesn't give an F ... (which could also stand for "fig", before you accuse me of being a hippocrite and swearing on the reflector) ... about a gentleman's agreement ... (I'm an old fogey and still believe in such things) ... anyway, as a founding member and moderator of this radio amateur group I have a duty to ensure that members follow normal proceedure.

No offence was intended Dave. Good luck to you and have a nice day. We obviously have a different opinion, lets leave it at that and not start a slanging match like certain of our American friends do when there's a difference of opinion.

On this reflector everyone is welcome to express their views without being flamed.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: sv1bsx@...; allan_gm1sxx@...
From: Dave@...m
Date: Tue, 16 Oct 2007 22:15:33 +0100
Subject: Re: [eu-amsat] Not true.

Is there anything you don't moderate John ?

I didn't spot anything on the yahoo page that said no adverts.

73,

Dave.

----- Original Message -----

From: "John Hackett" <archie.hackett@...>

To: <eu-amsat@yahoogroups.com>

Cc: <dave@...>; <sv1bsx@...>; <allan_gm1sxx@...>

Sent: Tuesday, October 16, 2007 10:00 PM

Subject: [eu-amsat] Not true.

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using it for commercial advertising purposes.

As a Ham, you should know better.

I can assure you that a Primesat controller is *NOT* 'absolutely essential'

for aerial alignment, doppler correction etc on *ANY* satellite in ANY orbit

... a "convenience", yes, "absolutely essential?" ....

absolutely not.

There are several (free) programs available to satellite enthusiasts on the

internet that already perform the functions you mention ... by using PIC

controllers or even simple A/D converters.

I'd aim your advertising towards the other side of the pond

(I noticed you already did) since most of the European satellite operators

build their own gear.

73 John. <la2qaa@amsat.org>

To: amsat-bb@...; dorset_amateur_radio@yahoogroups.com;

PrimeSatCtrl@yahoogroups.com; eu-amsat@yahoogroups.com

From: Dave@...m

Date: Tue, 16 Oct 2007 21:14:20 +0100

Subject: [eu-amsat] PrimeSat Controller for sale - Price amendment.

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Satellite

Communication Stations.

When there is the need to communicate by voice or data through a circular

or elliptical, low or high orbit satellite, it is absolutely essential to

have a

continuous adjustment of the antennas and station operating frequencies,

in order to guarantee the best alignment and RF signal, as also the correct

frequency compensation due to Doppler effect."

http://www.primetec.pt/products.php?sec=2&cat=3&prod=12&lang=en

Mail direct for any questions.

Prefer to sell in the U.K.

For sale @ £120:00p

Cheers,

Dave.

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.488 / Virus Database: 269.14.13/1074 - Release Date: 16/10/2007

14:14

1007. Fairy duff....

Yahoo group: eu-amsat
Date: 2007-10-16 22:33:55 UTC
From: Dave Aitch
Topic: 1007 Message: 1007

Hello John,

Had the introduction on the EU-AMSAT page said no advertising, then I wouldn't have put my unwanted, second hand item, on the EU AMSAT BB.

73, Dave.

1008. AO-7 & Weggies.

Yahoo group: eu-amsat
Date: 2007-10-16 23:50:27 UTC
From: John Hackett
Topic: 1008 Message: 1008

Mak,
When the power from the solar panels is less than optimum, the satellite's control system starts to send random code from the memory, which will turn the transponders on or off in a predetermined sequence assuming there is enough voltage to control the circuits properly ... BUT !!! ... several factors can and do change the system parameters.

This is what I've been babbling on about all along for several weeks now. At first, everybody assumed I'd gone round the bend ... (mad) ... with my 'Greyline' theory but now, a few people are actually considering the possibility. Unfortunately, I'm not very coherent so I leave the "explaining" to GM1SXX ... where he can do all the work and I can take all the credit ... a 50/50 division of labour.

We have to distinguish between actual fact, that which is wishful thinking and probability.

We can safely assume that the Old Girl's behaviour and mode selection/power output is (indirectly) determined by the solar array ... (read: amount of sunlight) ... and directly by the onboard electronics.

(That was mistake Nr: 1 ... calling a female !!! an "Old Girl").

Your solar panel and my blue weggie theory (*)... (thanks to GM1SXX for providing the "space" name for the Greyline) ... do seem to fit the facts ... even if we can't prove it.

<http://www.observations.biz/Joint_Observations/Observations_14_10_2007.htm>

The onboard electroncs *MAY* be explained after GM1SXX and I have got our thieving little fingers on the original schematics ... (which are still in Washington "as we speak")

(*)

Any self-respecting American knows what a "weggie" is but in this case it's Manchester vernacular for "wedge" and has nowt to do with "cheeks" of any kind.

73 John. <la2qaa@...>
.....

From SV1BSX.

Well John, definitely the "Old-girl" is back again
very Loud the last 2 days.
Last evening I was QRV on Mode/A, the signals was SUPER also on this Mode.
Never I heard it too much strong.

So, I wondering why this "drop down" the last
days.

Have you any idea about the spin of this
Satellite?

I was thinking that, the AO-7 is octagonal. So, the Solar
panels
are numbered No1, No2, No3.... No 8 (each one
on each side of octagonal).

If we have ie the No2, No3 & No4 Panels with
limited Power output and the Spin is Low, may be here
we have the following scenario:

a) when these "limited power
Panels"(No2,3,4) are forward to Sun, the Satellite is very weak due to poor
Power budget.
b) when the rest-good Panels are forward to
Sun, the Satellite is stronger.
.....

That explain partially the mystery, why the
Satellite is a bit stronger when the Satellite is approaching to
the
Daylight.
Simply, the rest "good" Panels help a bit the (low)
Power bugdet even if not straight-forward to the Sunlight.

1009. RE: [eu-amsat] Not true.

Yahoo group: eu-amsat
Date: 2007-10-17 02:07:38 UTC
From: Luc Leblanc
Topic: 1003 Message: 1009

On 16 Oct 2007 at 23:40, John Hackett wrote:

> On this reflector everyone is welcome to express their views without being flamed.

Or censored!!!

Added by me ;)

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1010. AO-7 report.

Yahoo group: eu-amsat
Date: 2007-10-17 07:24:28 UTC
From: John Hackett
Topic: 495 Message: 1010

Regular users will have noted that the AO-7 mode-B transponder has begun to "behave" again.

We're still not sure 'exactly' what happened, several "theories" have been bandied about ... what is certain !!! is that it was a power related problem so let us concentrate on *NOT* belting her with excessive power.

When you can't hear yourself adequately ... IMPROVE YOUR RECEIVE CAPABILITIES.

Cranking up your transmit power to compensate for an inadequate receiving system is *NOT* the way to go. Remember ... AO-7 is running at less than optimum in all 4 modes. Let's not accelerate her second demise by screwing up the power budget anymore than it already is.

Excessive power *WILL* shorten the satellite's life. If, through lack of experience you don't understand why ... please take the trouble to find out.

I read on the Internet yesterday one prominent satellite operator, a PA station, list part of his equipment as 100w and 2 x 10 element beams. He specify whether this was 100w EIRP or 100w fed to the aerials ... I most certainly hope it was *NOT* the latter since assuming a line loss of 3dB that would give an EIRP of well over 500 watts with today's compact 10 element beams ... enough to melt the plastic holding AO-7's solar panels on the spaceframe.

(Yes, I'm kidding ... but 500w EIRP is 450 too many for AO-7).

Please remember, 31 years ago not all the "bits n' pieces" were space-rated.

Three things you should improve for better AO-7 operating.

1) Receive capability.
2) Receive capability.
3) Receive capability.

At 06:27 UTC this morning I noticed something I havn't heard for two years ... that which I presume was echos of the BMEWS radar, I was rather "bemused" (pun intentional). It sounded like a rapid machine-gun like auroral woodpecker ... or if you've never experienced aurora propagation, like blowing through your nose into the neck of a glass bottle ... "keying" it at about 65 wpm.

GM1SXX and myself suspected the Fyllingsdale BMEWS radar situated on the north Yorkshire moors in the UK ...

BMEWS = ballistic missile early warning system.

For a detailed description see ...

<http://www.observations.biz/Joint_Observations/BMEWS_ed.htm>

73 John. <la2qaa@...>

1011. Where's the lightning?.

Yahoo group: eu-amsat
Date: 2007-10-17 08:35:09 UTC
From: John Hackett
Topic: 1011 Message: 1011

Hello All,
AO-7's mode-B transponder absolutely *THUNDERING* !!! in this morning at 08:20 UTC.

(Okay !!! ... S5 ... alright?).

73 John. <la2qaa@...>

1012. RE: From where???

Yahoo group: eu-amsat
Date: 2007-10-17 18:02:32 UTC
From: John Hackett
Topic: 1012 Message: 1012

Hello Dave,
I was born within spitting distance of the JODRELL BANK ... (University of Manchester) ... Radio telescope, in the county of Cheshire, England 1n 1946.

Served in Her Majesty's Service ... (British Army Signals) ... UN service ... (around the world) ... NATO Norway from 1970 until retirement, been here ever since.

Now old, bald and senile ... like AO-7, trying to keep my last surviving brain cell "illuminated".

I appreciate the feedback Dave.

"Observations From Norway" ... (paper format) ... used to be quite popular in Oscar News and The Amsat Journal ... until three heart attacks kinda' knocked the wind out of my sails ... 3 in quick succession tend to give you a message ...
crank it down a notch.

Of course, the "hard" living around the globe had nowt to do with it.

Just came out of hospital again, this time with some plastic tubing in my groin/leg ... I doubt if they did a microwave oven test on it so I expect it's not microwave or space-rated.

The clowns refused !!! to allow me to set up the satellite array in the intensive care unit so I did a runner at the first opportunity ... at a rapid rate of knots ... spoilsports !!!.

You said ...

<Keep all your AO-7 stuff coming .... maybe some of these >kids will get the message.

That is the humble intention Dave. Preferably dressed in a dose of light-hearted humour.

We need to recruit the youth and not have Amsat end up like the two "gentlemen" in the balcony on The Muppet show.

Anybody !!!!! can critcise. "Constructive" criticism is what's needed.

73 John. <la2qaa@...>
.....

> Date: Wed, 17 Oct 2007 09:47:35 -0700
> To: la2qaa@...
> From: dguimon1@...
> Subject: From where???
>
> I am curious about your home country??? Your English is >too good to be a "LA"!!
>

> Keep all your AO7 stuff coming....maybe some of these kids will get the message!!
>
>
>
> 73, Dave wb6llo@...
> Disagree: I learn....
>
> Pulling for P3E...
>

1013. Re: [eu-amsat] RE: From where???

Yahoo group: eu-amsat
Date: 2007-10-18 09:14:22 UTC
From: Luc Leblanc
Topic: 1012 Message: 1013

On 17 Oct 2007 at 20:02, John Hackett wrote:

>
> We need to recruit the youth and not have Amsat end up like the two "gentlemen" in the balcony on The Muppet show.

I was under the impression it was already the actual reality...

>Anybody !!!!! can critcise. "Constructive" criticism is what's needed.

Watch yourself as they will put you on their censorship list. This message has been sent to AMSAT-BB too... and at some other e-mail addreses too ;)

>Now old, bald and senile ... like AO-7, trying to keep my last surviving
>braincell "illuminated".

As far you are able to diagnosticate yourself you probably right about the head but there is hope for the rest as selenity will make you unaware of it. Look the AMSAT BOD they are not able to handle any criticism as Smith and Wesson the name of you two old fart (Those in the muppet show i should say...)

"We need to recruit the youth" I attend about 10 hamfests a year and about 4 in the US i don't see any more than a dozen of young folks. I have a 16 year old boy and he wants to be a HAM to be able to have a radio in his car with an antenna!!! He's playing with a CB now but i doubt he will stay around ham radio for 35 years!

For your Hearth condition genetic, smoke, lack of exercise, junk food, obesity are to be taken in account did you? I'm not at 100% even our former Prime Minister Jean Chetien just goes by a 4 hearth bypass operation at 76 and he was in full shape exercising and so on.

I guess you ruin your hearth with too much sex but if i have to choose between a long agony and a rapid way to leave this world i will choose the last option but at the farest date just to be able to comment on AMSAT BOD...

Take care of yourself

PS. I'll bet you 5$ you will not see this one on AMSAT-BB if i loose i send them the money!

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1014. FW: Series-parallel

Yahoo group: eu-amsat
Date: 2007-10-18 16:37:32 UTC
From: John Hackett
Topic: 1014 Message: 1014
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
This could explain a lot ... particularly the "series" thing coupled together with Mak's theory of rotating panels that "may" not be 100%.

Of course, there'd be no spacedust deteriorating the panels after 31 years in space.

Do you remember your wet rag and Fairy Liquid test several years ago? ... and if memory serves, that was less than 3 years of accumulated "Paisley" dust.

I havn't been up to AO-7 in the last couple of weeks but I'd bet there's a bit more than your average yellow duster can cope with.

73 John. <la2qaa@...>
.....

From: allan_gm1sxx@hotmail.com
To: archie.hackett@...
Subject: Series-parallel
Date: Thu, 18 Oct 2007 08:34:34 +0000

Hi John,

AO7's solar cell strings are series connected and the 'strings' diode protected and connected together in parallel.

You can see in this photo of the rear of two of the eight facets, the bus connections and blocking diodes.

I'm not quite sure of the purpose of the bent metal rods held in place with old chewing gum.

The 'thing' thats bonded to one facet and cabled back to the canon D connector is almost certainly a temperature probe.
You can see the diodes mounted on bare metal brackets near the ends of each facet. They stop lit panels from driving power back into the unlit ones. You pay a price for this... the loss incurred in the volts drop across the diodes, which is why shottky types are generally used.

One very important thing to remember about a series string of cells is that it is only as good as the weakest cell.
If part of the string is in darkness, you lose power from the whole string.

I can prove this easily at home by covering a single cell of my solar panels. If I cover a single cell, the output drops from almost 6 amps in the sun to zero amps.It's important for the spacecraft designer to keep this in mind when designing solar panels.

Lastly.
Panels that are actively sun-pointed work best with plain cover glasses and ones where the sun is usually at a glancing angle (any spin stabilised bird with panels around it) work better with prismatic (ribbed) glass covers. This is because with prisms, more energy hits the active surface. As best I know, AMSAT birds almost all use plain coverslides.

I think Mak might have an interest.

Al.

Are you the Quizmaster? Play BrainBattle with a friend now!

1015. Re: [eu-amsat] FW: Series-parallel

Yahoo group: eu-amsat
Date: 2007-10-18 18:54:13 UTC
From: SV1BSX
Topic: 1014 Message: 1015

Al, John & group,
this picture is very-very interesting!

At the point "AO7's solar cell strings are series connected and the 'strings' diode protected and connected together in parallel",
I would like a clear discription.

So what means "solar cell strings are series connected "? We talking here for the all cells of each-one side?

If yes, I agree. If not, I'm a bit ...confused!

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: sv1bsx@...
Cc: amsat-bb@... ; Eu-amsat@yahoogroups.com
Sent: Thursday, October 18, 2007 19:37
Subject: [eu-amsat] FW: Series-parallel

Hello Al,
This could explain a lot ... particularly the "series" thing coupled together with Mak's theory of rotating panels that "may" not be 100%.

Of course, there'd be no spacedust deteriorating the panels after 31 years in space.

Do you remember your wet rag and Fairy Liquid test several years ago? ... and if memory serves, that was less than 3 years of accumulated "Paisley" dust.

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73 John. <la2qaa@amsat.org>
.....

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Subject: Series-parallel
Date: Thu, 18 Oct 2007 08:34:34 +0000

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I think Mak might have an interest.

Al.

Are you the Quizmaster? Play BrainBattle with a friend now!

---
avast! Antivirus: Inbound message clean.
Virus Database (VPS): 000782-1, 10/17/2007
Tested on: 10/18/2007 19:47:32
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000782-1, 10/17/2007
Tested on: 10/18/2007 21:54:17
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1016. FO-29 new schedule

Yahoo group: eu-amsat
Date: 2007-10-19 10:49:32 UTC
From: SV1BSX
Topic: 1016 Message: 1016

From: "Mineo Wakita" <ei7m-wkt@...>
Subject: [amsat-bb] FO-29 new schedule

Oct.
22 none
23 03:32 -
24 04:22 -
25 03:28 -, 05:11 -
26 04:18 -
27 03:23 -, 05:10 -
28 02:30 -, 04:13 -
29 none
30 04:08 -
31 03:15 -, 05:00 -

Nov.
1 04:05 -
2 03:10 -, 04:55 -
3 04:00 -
4 03:05 -, 04:50 -
5 none
6 03:01 -, 04:46 -
7 03:50 -
8 02:55 -, 04:41 -
9 03:45 -
10 02:53 -, 04:35 -
11 03:41 -
12 none

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000782-1, 10/17/2007
Tested on: 10/19/2007 13:49:39
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1017. Equipment.

Yahoo group: eu-amsat
Date: 2007-10-19 18:18:02 UTC
From: John Hackett
Topic: 1017 Message: 1017

Dave,
You wondered if I¨d share with the other satellite enthusiasts a few words about my equipment.

> John,
>
> Having read your prior e-mail "AO-7 report" and the warnings about
> running too much uplink power .... and using better receive,
> I wonder if you would share with the readers what antennas, power at
> antenna, resulting EIRP, and receive antenna and preamp you are using on AO-7.
>
> Maybe your example will help folks figure out what they need to
> do. You probably remember that I have hammered on about using a
> preamp (at the antenna) for years on this reflector.

Certainly Dave, happy to oblige.

First it must be noted, as I've been waffling on about for donkey's! years (Manchester slang = a long! time) that you *DO NOT* have to affluent to have a fully automated satellite station ... (nor does one need to be fully automated) ... that's just a "convenience".

Let me also say, that if I could afford one of the "all singing, all dancing fully automated rigs with a CAT interface, I'd buy one, it's just that I've never been able to afford !!! one. My QRP power levels are not *ONLY* due to my being "sensible" ... (note the parentheses) ... the main reason has always been lack of availabler funds for satellite gear. One of my first "OBSERVATIONS" was entitled "Oscar 13 on a Shoestring" ... I digress.

The radios are the FT-290/790 pair, now well over 20 years old but still providing adequate service. For AO-7's uplink the FT-790 feeds a modified Norwegian Telenor mobile base station amplifier that originally operated on 460Mhz. I hack-sawed off the first two stages, added a 6dB pad, "tweaked" the filter and fed it with 200mW from the 790 to produce 8 watts. I have 6dB of loss at 70cm with the RG-214 coax ... (scrounged from the oil industry installation here) ... so I have an EIRP of about 20 watts from the elliptically polarised home brew 2 x 6el beam. I have never found an elevation rotor to be a necessity.

The 290 for AO-7's downlink is preceeded by a home brew BF981 preamp mounted at the aerial. At 2m an
ultra-low noise gaAsFET preamp in my opinion is not necessary ... due to the inherant sky noise of approximately 2dB at 145Mhz *IN CERTAIN PORTIONS OF THE SKY* ... though at microwave and above, where the sky is quieter, they are a must.

For LEO's, more important than a preamp IMHO is a polarity switcher.

The debate of circular polarisation vis-a-vis ellipticasl can be found on the website ...

<http://www.observations.biz/>

The aerials at ...

<http://www.observations.biz/Observations_from_Norway/Observations_15_04_2007.htm>

... at the bottom of the page.

For AO-7 at 1400-1600Km above the earth you don't need to bother too much about doppler correction but for LEO's like VO-52 that literally streak across the sky some sort of auto-doppler tuning is recommended.

Even newcomers will be aware of the "One True Rule" ... (doppler tuning). This is all very well if you do! have the latest all singing/all dancing rice-box but what do you do if you operate with 20 year old rice boxes that don't have !!! CAT tuning?.

You use a program called InstantTUNE together with InstantTRACK which allows automated doppler tuning using mic pushbutton rigs. Instantune only allows tuning EITHER the uplink or the downlink so if you want to be FULLY automated, you'll need a pair of old 386 IBM's (or equivalent) and a pair of monitorsd from the nearest computer company/school skip.

Everything else I can think of is home brewed and is to be found on the OBSERVATIONS page mentioned earlier.

A couple of useful links are ...

<http://www.observations.biz/Observations_from_Norway/how_much_power_is_enough_pt2.htm>

... which illustrates what can be done with QRP and a shoestring buget.

<http://www.observations.biz/Observations_from_Norway/howmuchpowerisenough.htm>

Self explanitory.

<http://www.planetemily.com/ao7/ao7log.php>

... everything you ever wanted to know about AO-7 is on this site ... I know, cos' I maintain it.
If it's not there, ask me, it'll be in my archives.

You'll find a lot of useful information here ...

<http://groups.yahoo.com/group/eu-amsat/?yguid=188558692>

... and it's all free.

I hope this mail illustrates thast it is possible to operate amateur radio satellites on a shoestring buget. Remember, a *BIG* signal is not necessary a good signal.

Have a nice day, all.

73 John. <la2qaa@...>

1018. AO-07 News from VK-ZL

Yahoo group: eu-amsat
Date: 2007-10-19 22:38:16 UTC
From: Murray Hely ZL3MH
Topic: 1018 Message: 1018

AO-07 was working well on mode B today.
Worked VK8MS Mark , VK6AKI Ron,
VK2ZAZ Geoff, and VK2TSV Steve.
We listen around 145.950 down link
frequency

I am using a IC402 to a small amp to
20 elements uplink

Down link FT101zd MK3 to an FTV250
transverter , pre-amp to 11 elements

All the Best Murray ZL3MH

1019. Re: [amsat-bb] Re: Equipment.

Yahoo group: eu-amsat
Date: 2007-10-19 23:07:13 UTC
From: SV1BSX
Topic: 1019 Message: 1019

```
>
> Hi John and AMSAT Friends,
>
> I am thrilled to hear you are using InstantTune for doppler control it is
> still my favorite program :) However,...
>
> I would just like to point out that InstantTune + InstantTrack provides
> full Doppler tuning for BOTH the up and down links even with
> mic-button radios.
> Just connect radio 1 to parallel port 1 and radio 2 to parallel port 2.
>

..very interesting that dr Tony !!!

Well, probably you remember me, I had several questions about ITUNE in
order to do it
workable with my vintage V-U, but finally worked just perfect.

After your Email I wonder about "ITUNE.cfg", as I can't see any line
about LPT's ports, just for COM-ports (=serial ports).

Are you using LPTs? If yes, how's that?

Are you changing the values of COMs with new for LPTs ?
( ie LPT1 #378 IRQ=7 & LPT2 #278 IRQ=xx ???)

I would like to have your "ITUNE.cfg" for example !

73, Mak SV1BSX

>If anyone needs help getting this working, please email me.
>
> 73,
> Tony AA2TX
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000782-1, 10/17/2007
Tested on: 10/20/2007 02:07:20
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com
```

1021. Wow !!!.

Yahoo group: eu-amsat
Date: 2007-10-19 15:49:00 UTC
From: John Hackett
Topic: 1021 Message: 1021

Hi All,
Friday 15:39Z.

I've not heard the AO-7 mode-B transponder this loud for 2 years !!!. Somebody had better keep an ear out for the beacon ... stranger things happen at sea !!!.

73 John. <la2qaa@...>

1022. RE: [amsat-bb] Equipment.

Yahoo group: eu-amsat
Date: 2007-10-20 06:48:20 UTC
From: John Hackett
Topic: 1022 Message: 1022

Hello Tony,
"Takk for siste" (thanks for the last time, as the NOG's say).

Great !! re: Itune being able to tune 2 x rigs using 2 x parallel ports.

Being as *THICK* as 2 short planks I never even considered putting both parallel ports into one PC. GM1SXX is ther "brains" of the team, I'm just the one with the "mouth" who takes the credit.

Actually, two old 386's help warm up the shack in the winter but it *WILL* be nice to cut out at least one of the noisy fans ... sounds a bit like a southbound from Charring Cross on the underground.

Thanks Tony.

73 John. <la2qaa@amsat.org>
.....

> Date: Fri, 19 Oct 2007 17:14:01 -0400
> To: la2qaa@amsat.org; amsat-bb@...
> From: aa2tx@...
> Subject: Re: [amsat-bb] Equipment.
> CC: eu-amsat@yahoogroups.com; aa2tx@...
>
> At 02:18 PM 10/19/2007, John Hackett wrote:
> >...
> >You use a program called InstantTUNE together with InstantTRACK
> >which allows automated doppler tuning using mic pushbutton rigs.
> >Instantune only allows tuning EITHER the uplink or the downlink so
> >if you want to be FULLY automated, you'll need a pair of old 386
> >IBM's (or equivalent) and a pair of monitorsd from the nearest
> >computer company/school skip.
> >
> >Everything else I can think of is home brewed and is to be found on
> >the OBSERVATIONS page mentioned earlier.
>
> Hi John and AMSAT Friends,
>
> I am thrilled to hear you are using InstantTune for doppler control it is
> still my favorite program :) However,...
>
> I would just like to point out that InstantTune + InstantTrack provides
> full Doppler tuning for BOTH the up and down links even with
> mic-button radios.
> Just connect radio 1 to parallel port 1 and radio 2 to parallel port 2.
>

> I apologize if the manual is confusing on this point What it is supposed
> to say is that it will only tune one link PER RADIO for mic-button radios
> but it can actually tune up to 3 separate mic-button radios simultaneously
> (1 up and 2 down. Will anyone ever bring back mode K/T?)
>
> I have personally used an FT-290 (with mic-button tuning) along with a
> 432 to 28 MHz converter into an HF rig to make tons of satellite contacts on
> the old FO-12 and FO-20 birds.
>
> So, to be clear, you do not need more than 1 PC, and it can even be a really
> old 20MHz '386, for full doppler tuning, you just need 2 parallel ports to
> interface to the 2 mic-button radios.
>
> If anyone needs help getting this working, please email me.
>
> 73,
> Tony AA2TX
>
>
>
>
>
>
>
>
>
>

1023. OH to JH

Yahoo group: eu-amsat
Date: 2007-10-21 14:46:36 UTC
From: John Hackett
Topic: 1023 Message: 1023

Mika,
I see you worked a JH station on AO-7 today at 11:58
(orbit 50703).

I know what it takes to work Japan from Scandinavia on a LEO Mika, well done!!!.

73 John. <la2qaa@...>

1024. The log.

Yahoo group: eu-amsat
Date: 2007-10-25 16:18:38 UTC
From: John Hackett
Topic: 1024 Message: 1024

Joe,
Why are you not adding your QSO's to the log? ... I see both Terry and Malc worked you today but you didn't add your QSO's ... ???.

Too much fishing?.

73 John. <la2qaa@...> AO-7 Resource Page Admin:

1025. Magic QSO today???

Yahoo group: eu-amsat
Date: 2007-10-26 13:53:54 UTC
From: SV1BSX
Topic: 1025 Message: 1025

.. I wondering about this QSO between IK0YKM & UT2AG @ 09.20 UTC where is marked as "Mode-B" from both operators into Emily's LOG, even if today AO-7 is active in "Mode-A"!

http://www.planetemily.com/ao7/ao7log.php?PHPSESSID=32807ba60a2d39ca1858d9e5feda90d7

Another point: at that time (09:20 Z) AO-7 was over..... South Atlantic Ocean !!!!

What a puzzle ! wrong Mode? wrong time? wrong Satellite? who knows...!

But definitely this entry is inaccurate for AO-7's Log.

73, Mak SV1BSX

Email: sv1bsx@yahoo.gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 000783-1, 10/22/2007
Tested on: 10/26/2007 16:54:01
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1026. Re: [eu-amsat] Magic QSO today???

Yahoo group: eu-amsat
Date: 2007-10-26 14:14:56 UTC
From: Thomas Frey
Topic: 1025 Message: 1026

SV1BSX schrieb:
> .. I wondering about this QSO between IK0YKM & UT2AG @ 09.20 UTC
> where is marked as "Mode-B" from both operators into Emily's LOG,
> even if today AO-7 is active in "Mode-A"!
>
> http://www.planetemily.com/ao7/ao7log.php?PHPSESSID=32807ba60a2d39ca1858d9e5feda90d7
>
> Another point: at that time (09:20 Z) AO-7 was over..... South
> Atlantic Ocean !!!!
>
> What a puzzle ! wrong Mode? wrong time? wrong Satellite? who knows...!
>
> But definitely this entry is inaccurate for AO-7's Log.
>
>
> 73, Mak SV1BSX
>
>
I agree with you Mak. This entries are completely wrong. At this time
AO-7 was "visible" for South America.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1027. Magic QSO deleted

Yahoo group: eu-amsat
Date: 2007-10-26 23:59:42 UTC
From: John Hackett
Topic: 1025 Message: 1027

Mak, Thomas,
"Some" of the information for "the magic QSO" was incorrect ... either the time, mode or footprint ...
so I deleted the log entry.

Point to ponder ... AO-51, with batteries, not operational, AO-7, without batteries, operational ... though the Amsat website has stated AO-51 as operational for over a week now.

So much for the "LATEST" news.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 26 Oct 2007 16:14:56 +0200
Subject: Re: [eu-amsat] Magic QSO today???

SV1BSX schrieb:

> .. I wondering about this QSO between IK0YKM & UT2AG @ 09.20 UTC

> where is marked as "Mode-B" from both operators into Emily's LOG,

> even if today AO-7 is active in "Mode-A"!

>

> http://www.planetemily.com/ao7/ao7log.php?PHPSESSID=32807ba60a2d39ca1858d9e5feda90d7

>

> Another point: at that time (09:20 Z) AO-7 was over..... South

> Atlantic Ocean !!!!

>

> What a puzzle ! wrong Mode? wrong time? wrong Satellite? who knows...!

>

> But definitely this entry is inaccurate for AO-7's Log.

>

>

> 73, Mak SV1BSX

>

>

I agree with you Mak. This entries are completely wrong. At this time

AO-7 was "visible" for South America.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1028. Fish.

Yahoo group: eu-amsat
Date: 2007-10-27 12:22:58 UTC
From: John Hackett
Topic: 1028 Message: 1028

Hello Al,
Fish? ... in a barrel !!! ... (AO-7).

More and more people are discovering this satellite.

Will Amsat learn something from this ??.

I very much doubt it ... (honestly, no joke, I sincerely believe they don't see the implications).

I'd write an OBSERVATION for the Amsat-BB but I fear the b.o.d. are already too biased to *NOT* take any notice of the opinion of the people who actually *use* the satellite.

There is a *LOT* of good advertising for AO-7, radio amateurs, space, components, the Amsat organisation (!!!) etc ... if the Amsat b.o.d. had the brains to utilise it ... but I think they see AO-7 as "finished".

73 John.

1029. The devil is in the details

Yahoo group: eu-amsat
Date: 2007-10-29 05:19:38 UTC
From: Luc Leblanc
Topic: 1029 Message: 1029

Excerpt from AMSAT NEWS SERVICE
ANS-301

"The Advanced Communication Package would be a self-contained earth station which could be sent with amateur radio communication teams or delivered to disaster areas for 24/7/365 emergency communications. These teams would be able to point a small dish at a predictable spot in the sky and immediately begin delivering disaster commun-ication support without depending on HF propagation."

Any amateur satellite carrying amateur radio HEO project is good news but is this will be really an amateur radio project or a semi commercial combo package outreach of the vast majority of the "STANDARD" amateur radio stations around the world.

At the first look it seems that we are assisting of the "techkies" teams projects coming back who as we all know are driving AMSAT-NA and some other amsat's at their will. Just remember this famous CC rider saga few months ago!

From a failed military venture to get a ride at any cost (no money involved here) are we assisting in a selective availability amateur satellite radio? where only FEW involved in emergency activities will be granted the privileges to use this satellite?

The devil is in the details and holloween next Wednesday is full of little devils...

I try to find out more details on this past week October AMSAT-NA convention but i'm only getting on theses sites anyone can give me the right ones?

http://english.ntdtv.com/?c=210&a=331
http://www.youtube.com/watch?v=ytJmYs-A4xc&feature=dir

"-"

Luc Leblanc VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1030. A Christmas wish.

Yahoo group: eu-amsat
Date: 2007-10-29 09:19:53 UTC
From: John Hackett
Topic: 1030 Message: 1030

A Christmas wish.

Most of the people who operate AO-7 are of the opinion that an HEO is most desirable but failing that, an RS-10 type satellite would be on top of the Christmas wish list ... after all, the RS series of satellites had a lot going for them, linear transponders, brilliant receivers, robots ... in my humble opinion, RS-10 was more popular than the entire fleet of Amsat satellites.

Unfortunately, the Soviet space program has changed dramatically, and their amateur satellite program these days only exists in name ... mainly due to the funding problem.

When I was in Saratov (Capotob), a few years ago, the one time main space related industry city was bustling, these days the buildings are delapidated and abandoned. At one time, "foreigners" were not allowed within 20 kilometers of Saratov, just a couple of years ago I wandered all over the place taking pictures and nobody even bothered to ask me what I was doing.

This reflects the current amateur satellite program ... lethargy.

Can we do anything about it?.

Are we interested in doing anything about it?.

We're constantly being asked to "donate" and support American and/or German projects ... sometimes those the
majority *DON*T want and are not interested in.

How about donating to a Russian project that one *DOES* want and *IS* interested in?.

In other words, breathing some life back into the Russian amateur satellite group.

I can tell you, they !!! have a much better chance of securing a launch ... (think about it).

Comments and suggestions are invited.

73 John. <la2qaa@amsat.org>

NB.

Saratov is also associated with Yuri Gagarin ... (as well as my wife).

Who ???..... GM1SXX.

1031. Re: [eu-amsat] A Christmas wish.

Yahoo group: eu-amsat
Date: 2007-10-29 09:24:52 UTC
From: Simon Brown
Topic: 1030 Message: 1031

Speaking for myself I am very interested in a HEO satellite and will invest a lot of money into a good antenna tracking systems and the necessary transverters. I plan to start this in February 2008 in anticipation of HEO in 2008 / 2009 / 2010.

Simon Brown, HB9DRV
----- Original Message -----
From: John Hackett

We're constantly being asked to "donate" and support American and/or German projects ... sometimes those the
majority *DON*T want and are not interested in.

1032. (no subject)

Yahoo group: eu-amsat
Date: 2007-10-29 09:42:57 UTC
From: John Hackett
Topic: 1032 Message: 1032

Simon,
I agree with you, perhaps I should have been more specific, when I referred to projects that the majority didn't want, I was referring to FM single user satellites of the AO-51 genre.

73 John.

1033. Re: [eu-amsat]

Yahoo group: eu-amsat
Date: 2007-10-29 10:19:09 UTC
From: Simon Brown
Topic: 1033 Message: 1033

OK,

Agreed - but these FM-only sats are an easy solution for some Hams and could be a stepping-stone into other satellites?

Can't wait for HEO, can't wait :-D

Simon Brown, HB9DRV
----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Monday, October 29, 2007 10:42 AM
Subject: [eu-amsat]

Simon,
I agree with you, perhaps I should have been more specific, when I referred to projects that the majority didn't want, I was referring to FM single user satellites of the AO-51 genre.

73 John.

1034. Re: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 10:28:18 UTC
From: Thomas Frey
Topic: 1032 Message: 1034

John Hackett schrieb:
> Simon,
> I agree with you, perhaps I should have been more
> specific, when I referred to projects that the majority didn't want, I
> was referring to FM single user satellites of the AO-51 genre.
>
> 73 John.
>
Hello Simon and John

Both types have their benefits and penalties. We are experimenters.
This makes our hobby so interesting.

John, I don't know if there is a group of Russian amateurs who can
continue the RS-Sats. The next known satellite with analog-transponder
will be Delfi-C3, see http://www.delfic3.nl/.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1035. RE: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 11:09:37 UTC
From: John Hackett
Topic: 1032 Message: 1035

Hi Thomas,
Agreed! ... it's only a hobby.

I was merely throwing out a ball to create a debate.

There isn't much doubt that an RS-type satellite would have promoted amateur satellite operating far more than AO-51 and at a *LOT* less of the cost ... at least that is my opinion.

Others may differ ... which one is encouraged to do on this reflector ... without the ungentlemanly comments as seen on certain other reflectors.

The last time I was in Saratov I was unable to locate any Russian Hams interested in amateur satellites.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 29 Oct 2007 11:28:18 +0100
Subject: Re: [eu-amsat]Johns Christmas wish

John Hackett schrieb:

> Simon,

> I agree with you, perhaps I should have been more

> specific, when I referred to projects that the majority didn't want, I

> was referring to FM single user satellites of the AO-51 genre.

>

> 73 John.

>

Hello Simon and John

Both types have their benefits and penalties. We are experimenters.

This makes our hobby so interesting.

John, I don't know if there is a group of Russian amateurs who can

continue the RS-Sats. The next known satellite with analog-transponder

will be Delfi-C3, see http://www.delfic3.nl/.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1036. Re: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 11:19:11 UTC
From: Simon Brown
Topic: 1032 Message: 1036

Radios such as the FT-817 can be easily used for RX, so anything on 2M or 70cms is doable with a decent whip antenna, this is how I got started, I now have a TS-2000.

I fire up my system for a few weeks each year - but it's HEO for me really, P3E looks very interesting. My interest is the technology more than anything else, I have a lot of software I want to write for satellite support.

As far as I can remember there's a chance that P3E may fly in late 2008?

Simon Brown, HB9DRV
----- Original Message -----
From: John Hackett

There isn't much doubt that an RS-type satellite would have promoted amateur satellite operating far more than AO-51 and at a *LOT* less of the cost ... at least that is my opinion.

1037. Re: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 13:24:02 UTC
From: Thomas Frey
Topic: 1032 Message: 1037

Simon Brown schrieb:
>
> As far as I can remember there's a chance that P3E may fly in late 2008?
>
> Simon Brown, HB9DRV
Yes it is. The first Soyuz will launch from Kourou March 2009. But
there is a new chance to ride on an Ariane before this launch. But this
is INOFFICIAL !

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1038. Re: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 19:03:37 UTC
From: Trevor
Topic: 1032 Message: 1038

--- Thomas Frey <th.frey@...> wrote:
> John, I don't know if there is a group of Russian amateurs who can
> continue the RS-Sats. The next known satellite with analog-transponder

from
Russian Satellites: Smaller, Lighter, Cheaper
http://www.southgatearc.org/news/september2007/russian_satellites.htm

The last Russian satellite carrying Amateur Radio is believed to be Baumanetz which along with 14 Amateur Radio Cubesats was onboard the DNEPR launch in July 2006 which failed to achieve orbit, see
http://www.southgatearc.org/news/july2006/satellites_lost.htm

The Current Position and the prospects of the Amateur Radio Satellite Proposals. 2006 document which references Baumanetz-175 (RS-27)
http://www.magnetosphere.ru/universat/files/abstracts.pdf

73 Trevor M5AKA

_____
Want ideas for reducing your carbon footprint? Visit Yahoo! For Good
http://uk.promotions.yahoo.com/forgood/environment.html

1039. Re: [eu-amsat]Johns Christmas wish

Yahoo group: eu-amsat
Date: 2007-10-29 23:28:04 UTC
From: Thomas Frey
Topic: 1032 Message: 1039

Trevor schrieb:
> --- Thomas Frey <th.frey@...> wrote:
>
>> John, I don't know if there is a group of Russian amateurs who can
>> continue the RS-Sats. The next known satellite with analog-transponder
>>
>
> from
> Russian Satellites: Smaller, Lighter, Cheaper
> http://www.southgatearc.org/news/september2007/russian_satellites.htm
>
> The last Russian satellite carrying Amateur Radio is believed to be Baumanetz
> which along with 14 Amateur Radio Cubesats was onboard the DNEPR launch in July
> 2006 which failed to achieve orbit, see
> http://www.southgatearc.org/news/july2006/satellites_lost.htm
>
> The Current Position and the prospects of the Amateur Radio Satellite
> Proposals. 2006 document which references Baumanetz-175 (RS-27)
> http://www.magnetosphere.ru/universat/files/abstracts.pdf
>
> 73 Trevor M5AKA
>
>
>
Hello Trevor

I meant the Amateur Radio Radio Sputniks until RS-16. This was the last
really HAM Radio Sputnik. After it cames the univerity and commercial (!)
Radio Sputniks. The last, RS-25, is a payload on the Iranian Sinah-1 which
is inactive now. After its deactivation RS-22 was reactivated. Both
are commercial payloads and intruder. I could hear digital downlink
signals if they flew over Moscow. After LOS Moscow the CW beacon switched
on and the rest of the world can only hear the CW beacon with "RS22".
RS22 is not RS-22 but Mozhayets 4. "Radio Sputnik" in modern Russian means
nothing else than "Satellite with transmitter".

Infos about Mozhayets 4 with the correct catalog number:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=2003-042A
(There are many websites with the wrong catalog number)

If you have other sources about the Radio Sputniks lets us know.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1040. Russki.

Yahoo group: eu-amsat
Date: 2007-10-30 09:09:14 UTC
From: John Hackett
Topic: 1032 Message: 1040

>"Radio Sputnik" in modern Russian means

>nothing else than "Satellite with transmitter"

Korosho!

(Literal = "it is good" ... Colloquial = "correct")

Paka!. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 30 Oct 2007 00:28:04 +0100
Subject: Re: [eu-amsat]Johns Christmas wish

Trevor schrieb:

> --- Thomas Frey <th.frey@...> wrote:

>

>> John, I don't know if there is a group of Russian amateurs who can

>> continue the RS-Sats. The next known satellite with analog-transponder

>>

>

> from

> Russian Satellites: Smaller, Lighter, Cheaper

> http://www.southgatearc.org/news/september2007/russian_satellites.htm

>

> The last Russian satellite carrying Amateur Radio is believed to be Baumanetz

> which along with 14 Amateur Radio Cubesats was onboard the DNEPR launch in July

> 2006 which failed to achieve orbit, see

> http://www.southgatearc.org/news/july2006/satellites_lost.htm

>

> The Current Position and the prospects of the Amateur Radio Satellite

> Proposals. 2006 document which references Baumanetz-175 (RS-27)

> http://www.magnetosphere.ru/universat/files/abstracts.pdf

>

> 73 Trevor M5AKA

>

>

>

Hello Trevor

I meant the Amateur Radio Radio Sputniks until RS-16. This was the last really HAM Radio Sputnik. After it cames the univerity and commercial (!) Radio Sputniks. The last, RS-25, is a payload on the Iranian Sinah-1 which is inactive now. After its deactivation RS-22 was reactivated. Both are commercial payloads and intruder. I could hear digital downlink signals if they flew over Moscow. After LOS Moscow the CW beacon switched on and the rest of the world can only hear the CW beacon with "RS22". RS22 is not RS-22 but Mozhayets 4. "Radio Sputnik" in modern Russian means nothing else than "Satellite with transmitter".

Infos about Mozhayets 4 with the correct catalog number:

http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=2003-042A

(There are many websites with the wrong catalog number)

If you have other sources about the Radio Sputniks lets us know.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1041. Welcome Mika

Yahoo group: eu-amsat
Date: 2007-11-02 21:41:01 UTC
From: John Hackett
Topic: 1041 Message: 1041

You're very welcome Mika

73 John. <la2qaa@...>

1042. FO-29 schedule Nov.

Yahoo group: eu-amsat
Date: 2007-11-08 11:59:26 UTC
From: SV1BSX
Topic: 1042 Message: 1042

```
> Nov. UTC
> 13 3:35 -
> 14 4:26 -
> 15 3:33 -
> 16 4:22 -
> 17 3:27 -
> 18 none
> 19 none
> 20 4:13 -
> 21 3:18 -
> 22 4:08 -
> 23 3:13 -
> 24 none
> 25 3:10 -
> 26 none
> 27 3:05 -, 4:50 -
> 28 3:55 -
> 29 3:00 -, 4:45 -
> 30 3:50
>
> de JE9PEL, Mineo Wakita
```


```
---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071103-0, 11/03/2007
Tested on: 11/8/2007 13:59:34
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com
```

1043. AO-7 mode switching B/C

Yahoo group: eu-amsat
Date: 2007-11-10 22:41:43 UTC
From: mika.siira
Topic: 1043 Message: 1043

Hello folks,

Today I was working AO-7 on orbit #50954 and after about middle of the pass signal level on downlink suddenly dropped lower than it is usually. After that I managed to work F3ZD and K9HF, but signal level stayed rather low. I am wondering if the reason for this is the mode change from B to C, could it be a possible explanation? Signal level was not so extremely low as we experienced few weeks ago but the change was so fast that the mode switching came first to my mind.

Mika, OH8MBN

1044. Re: [eu-amsat] AO-7 mode switching B/C

Yahoo group: eu-amsat
Date: 2007-11-11 00:59:43 UTC
From: SV1BSX
Topic: 1043 Message: 1044

Hi Mika,

yes right, it happened that also to me several times. We had posted here
this effect and
probably it is that you pointed out, probably the Mode is changing from B to
C
(I have observed very often just the opposite, from C to B).
John, LA2QAA may be he knows more details about this effect.

73, Mak SV1BSX

----- Original Message -----
From: "mika.siira" <mika.siira@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, November 11, 2007 00:41
Subject: [eu-amsat] AO-7 mode switching B/C

> Hello folks,
>
> Today I was working AO-7 on orbit #50954 and after about middle of the
> pass signal level on downlink suddenly dropped lower than it is usually.
> After that I managed to work F3ZD and K9HF, but signal level stayed
> rather low. I am wondering if the reason for this is the mode change
> from B to C, could it be a possible explanation? Signal level was not
> so extremely low as we experienced few weeks ago but the change was so
> fast that the mode switching came first to my mind.
>
> Mika, OH8MBN
>
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 071110-0, 11/10/2007
> Tested on: 11/11/2007 02:04:02
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
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>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071110-0, 11/10/2007
Tested on: 11/11/2007 02:59:47
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1045. Another one is passing away

Yahoo group: eu-amsat
Date: 2007-11-11 01:37:50 UTC
From: Luc Leblanc
Topic: 1045 Message: 1045

Normal Mailer the writer an inspiration for a whole generation of readers was probably HAM's should also have a look at...

here ie some notes on his life: "A bit long link"

http://www.nytimes.com/aponline/books/AP-Obit-Mailer.html?ex=1210309200&en=87672d4868c76b6f&ei=5087&excamp=GGGNnormanmailer&WT.srch=1&WT.mc_ev=click&WT.mc_id=GN-S-E-GG-NA-S-norman_mailer

Or try to google it under Norman Mailer

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

Sent via AMSAT-BB@.... Opinions expressed are those of the author but subject to cencorship by AMSAT-NA BOD a very democratic US government and military funds seeker.Not an AMSAT-NA member? Don't Join now just support the AMSAT-DL amateur satellite program!
Subscription settings:http://www.p3e-satellite.org/index.pl?lang=en_EN

1046. Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-11 18:58:55 UTC
From: John Hackett
Topic: 1046 Message: 1046

Mika,
I think you'll find Mak is correct ... (he usually is) ... re: the mode switching from B to C.

Careful study of the log shows several strange things - one of them being certain stations who claim to work other stations ... "out of the passband" !!!. Another quirk is the station who totted up points without even turning the rig on.

I am aware of these 'gentlemen' and that s why I suggested a change to the points system a few weeks ago .. but the main concensus of opinion was ... everybody can see who's cheating so just leave it as it is ... which I have done.

The reason I havn't changed the *modes* in the log is because it would confuse a lot of people. There have been instances where certain stations have *NOT* heard their downlink due to inadequate receiving equipment ... if they cannot hear people in mode-B they most certainly won't hear people in mode-C.

It's worth mentioningt that the mode-C 2 watts was 31 years !!!! ago. These days, due to spacedust on the panels and normal component wear and tear it's most probably far less.

You'd need some sophisticated equipment to measure the transponder power output from the ground ... stuff which LA2QAA doesn't have.

Last week, on the Amsat-bb one American station (callsign witheld) complained that he was using 80 watts from a Mirage amp to a 10 element beam in mode-B ... AND COULDN'T HEAR HIMSELF.

(Clown!.....LA2QAA).

As the log shows, I seem to do alright with 5 watts. Unfortunately, this is a bit low for SSB on AO-7 ... (but fine on VO-52).

For those interested .... in a few days time I will be doing some HELLSCREIBER experiments on AO-7 ... (QRP folks).

Field Hell tackles doppler a lot better than other data modes on satellites and only has a 24% duty cycle so it will be interesting to see if we can make it across the pond on this mode.

A mode from the last war (!!!) seems appropriate for an old girl like AO-7.

I'll chuck a message on this reflector when I'm ready to rock n' roll.

73 John. <la2qaa@...>

1047. Re: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 00:12:20 UTC
From: Thomas Frey
Topic: 1046 Message: 1047

Hello All

At 19:10 UTC Saturday I had also Rock'n'roll on 29.4499 MHz. I had my first QSO over AO-7 in Mode-A phonie and USB with G0VHS. Wow, this was Rock'n'roll !! :-)

I received with a Ranger RCI-2950DX and a Lambda 1/2 inverted-Vee.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1048. Re: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 00:19:37 UTC
From: Thomas Frey
Topic: 1046 Message: 1048

Thomas Frey schrieb:
>
> Hello All
>
> At 19:10 UTC Saturday I had also Rock'n'roll on 29.4499 MHz. I had my
>

>
>

Ooops, at Sunday, today is Monday 01:19 MEZ.

Good Night, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1049. Re: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 01:40:24 UTC
From: SV1BSX
Topic: 1046 Message: 1049

...Thomas, WELCOME to "MODE-A" CLUB !

G0VHS a few minutes before you, he called CQ CQ on CW when the Satellite was over N.Africa!
(I answered to him but it was impossible to take my callsign correctly, so I gave-up)

It's also very interesting your post about Ranger RCI-2950DX, because some peoples they
used to say: "Mode-A needs expensive receivers and ""monster" antennas".

Definitely is not truth that. I'm using also a vintage receiver for Mode-A with good success.

You don't need "top models" HF, you don't need special antennas... the only one which needs
someone for Mode-A is a nice mood and ... Ham-spirit for experimentations.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, November 12, 2007 02:12
Subject: Re: [eu-amsat] Right!, rock n' roll and HELL.

> Hello All
>
> At 19:10 UTC Saturday I had also Rock'n'roll on 29.4499 MHz. I had my
> first QSO over AO-7 in Mode-A phonie and USB with G0VHS. Wow, this was
> Rock'n'roll !! :-)
>
> I received with a Ranger RCI-2950DX and a Lambda 1/2 inverted-Vee.
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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>
> Yahoo! Groups Links

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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 071110-0, 11/10/2007
> Tested on: 11/12/2007 02:56:37
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
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>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071110-0, 11/10/2007
Tested on: 11/12/2007 03:40:27
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com
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1050. RE: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 11:07:13 UTC
From: John Hackett
Topic: 1046 Message: 1050

Congrats !!! Thomas

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 12 Nov 2007 01:12:20 +0100
Subject: Re: [eu-amsat] Right!, rock n' roll and HELL.

Hello All

At 19:10 UTC Saturday I had also Rock'n'roll on 29.4499 MHz. I had my

first QSO over AO-7 in Mode-A phonie and USB with G0VHS. Wow, this was

Rock'n'roll !! :-)

I received with a Ranger RCI-2950DX and a Lambda 1/2 inverted-Vee.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1051. RE: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 11:16:19 UTC
From: John Hackett
Topic: 1046 Message: 1051

To those whom may be interested,
You *DON'T* need expensive equipment for any mode ... at least not until you get up into the Ghz range where 'special' components are needed.

What you do !!! need is (like Mak says) the ham spirit, a little bit of inginuity, a 'dash' of common sense, the intelligence to listen to the experienced and to experiment ... isn't that what it's all about ???.

Just pushing a button on an expensive black box is BORING !!!.

You might as well buy a handie-talkie and try some FM on AO-51.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Mon, 12 Nov 2007 03:40:24 +0200
Subject: Re: [eu-amsat] Right!, rock n' roll and HELL.

...Thomas, WELCOME to "MODE-A" CLUB !

G0VHS a few minutes before you, he called CQ CQ on CW when the Satellite

was over N.Africa!

(I answered to him but it was impossible to take my callsign correctly, so

I gave-up)

It's also very interesting your post about Ranger RCI-2950DX, because some

peoples they

used to say: "Mode-A needs expensive receivers and ""monster" antennas".

Definitely is not truth that. I'm using also a vintage receiver for Mode-A

with good success.

You don't need "top models" HF, you don't need special antennas... the only

one which needs

someone for Mode-A is a nice mood and ... Ham-spirit for experimentations.

73, Mak SV1BSX

----- Original Message -----

From: "Thomas Frey" <th.frey@...>

To: <eu-amsat@...m>

Sent: Monday, November 12, 2007 02:12

Subject: Re: [eu-amsat] Right!, rock n' roll and HELL.

> Hello All

>

> At 19:10 UTC Saturday I had also Rock'n'roll on 29.4499 MHz. I had my

> first QSO over AO-7 in Mode-A phonie and USB with G0VHS. Wow, this was

> Rock'n'roll !! :-)

>

> I received with a Ranger RCI-2950DX and a Lambda 1/2 inverted-Vee.

>

>

>

> Mit freundlichen Grüssen, Regards, 73

> Thomas Frey, HB9SKA

> _____

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

> http://home.datacomm.ch/th.frey/

>

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> Yahoo! Groups Links

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> ---

> avast! Antivirus: Inbound message clean.

> Virus Database (VPS): 071110-0, 11/10/2007

> Tested on: 11/12/2007 02:56:37

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> http://www.avast.com

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avast! Antivirus: Outbound message clean.

Virus Database (VPS): 071110-0, 11/10/2007

Tested on: 11/12/2007 03:40:27

avast! - copyright (c) 1988-2007 ALWIL Software.

http://www.avast.com

1052. Re: [eu-amsat] Right!, rock n' roll and HELL.

Yahoo group: eu-amsat
Date: 2007-11-12 12:55:55 UTC
From: Thomas Frey
Topic: 1046 Message: 1052

John Hackett schrieb:
>
> To those whom may be interested,
> You *DON'T* need
expensive equipment for any mode ... at least not until you get up into
the Ghz range where 'special' components are needed.
>
> What you do !!! need is (like Mak says) the ham spirit, a little bit
of inginuity, a 'dash' of common sense, the intelligence to listen to
the experienced and to experiment ... isn't that what it's all about ???.
>
> Just pushing a button on an expensive black box is BORING !!!.
>
> You might as well buy a handie-talkie and try some FM on AO-51.

>
> 73 John. <la2qaa@...>

I fully agree with you John. The "Rock'n'roll" is greater after such
a QSO. But it was a bit difficult. AO-7 was very loud at this moment
and I heard Terry only with R4/S0. I had a headphone on my head and
it was plugged in in a DSP-loudspeaker from bhi, model NES10-2.

My conclusion after many attempts on Mode-A is, you need a 3-element-beam
in minimum for regular SSB-QSOs. For CW a dipole is enough.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1053. Aerials - wet shoelaces and rusty six-inch nails.

Yahoo group: eu-amsat
Date: 2007-11-12 17:35:01 UTC
From: John Hackett
Topic: 1053 Message: 1053

Spot on !!! Thomas,
You do !!! need a decent aerial for SSB whereas a dipole is adequate for CW. Personally, I use my 20m inverted V sloper, which on 10m (theoretically) produces 4 lobes.

Since I havn't been on HF for a couple of years now I lowered the aerial from 12 meters high to 7 meters high to elevate the directivity of the lobes for satellite use.

The transmitter is a 20 year old FT-290 and the receiver is an Icom IC-730, also well over 20 years old.

No bells and whistles.

NB,

(The 'boasting')

The reason I havn't been on HF for 'yonks' is that I have QRP DXCC's for CW, SSB, RTTY ... after that, you tend to lose interest in the lower frequencies.

73 John. <la2qaa@...>

1054. (no subject)

Yahoo group: eu-amsat
Date: 2007-11-13 09:18:03 UTC
From: John Hackett
Topic: 1054 Message: 1054

... and here are the results of the Norwegian jury ...

(Our dear American friends won't recognise that phrase - but the "Eurovision" crowd will).

After reading all sorts of wierd and wonderful comments on the Amsat-bb re: data modes on analogue satellites - (including SSTV and the infamous "pesky" 31) - I decided to throw caution to the wind and try to jump through the hoop by myself.

Being an AO-7 afficiondo - (look it up in the dictionary!) - the logical choice was AO-7, not least due to it's orbit - (slow doppler) - and mode - downlink lower than uplink - (you'll need to think! about that one).

I set up 2 x 386 machines running MixW V12, 2 instances of ITUNE and the FT-290/790 pair. I'd already built special interfaces to allow me to regulate the audio on both PC's + adequate filtering - audio and RF.

The first thing I noticed was that a pair of EARS (!!!) works better than the "theoretical" one true rule, in practice - especially on modes like RTTY where you have two tones. It's easier to tune in PSK with a single line on the MixW waterfall display. To it's discredit, MixW can't decide which way to go for "auto-tuning" the last few hundred hertz - to it's credit, give it a little kick up the bum - (manual tuning)- and it copies perfectly.

I missed the callsign ... LA2Q something-or-other ... due to QRM ...(just kidding!!!).

(The next bit is "aimed" at the Europeans).

Obviously, most people are *NOT* going to bother to set up for digital on an analogue satellite - which would entail organising both a TX and RX system but it shouldn't be a problem to switch to a digital mode to just TX ... and since I already have a dual system operating ... I would appreciate a report if you hear me. (I'll *ONLY* be on AO-7 mode-B).

Remember !!! ... due to the different QTH's = different rates of doppler !!! ... I will need to "tune-in" on your signal so send your callsign several 'thousand' times.

For those that are absolutely bone idle and can't be bothered to switch to a digital mode it is possible to give me a report on SSB if you hear any "snoring" noises.

Conclusion.

PSK31 does !!! work on the higher frequencies on satellites but it takes a little more practice than just the normal wailing into a microphone emulating a cow in labour.

AAAAAAWWWWWWWLLLLLLLLLLEEERRRRRRRRR ... (swish) ... (swish)

The good news - (for the South Africans, the good gnu's).

If PESKY31 will work on AO-7 it will most certainly work on P3E - and save a lot of bandwidth while it's at it.

73 John. <la2qaa@...>

1055. Re: [amsat-bb] Re: One Laptop per Child

Yahoo group: eu-amsat
Date: 2007-11-14 02:15:28 UTC
From: Luc Leblanc
Topic: 1055 Message: 1055

It seems we are assisting at a remake of the famous Cybiko era with their point to point link capabilities. Just a bit more sophisticated (second millennium).

It is a good gesture to give computer to third world countries but those who are starving to death in the many Darfur camps and in many other countries will most likely choose for a bowl of rice instead of a cheap computer.

It is exactly a very poor choice as the one AMSAT-NA made when they decide to go for AO-51 a LEO project instead of going for a HEO.. the same bad choice of priority even if the goals are noble.

P.S. I have a Cybiko here and if anyone wants to give it a try just call me.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1056. Useless information dept:

Yahoo group: eu-amsat
Date: 2007-11-14 09:06:58 UTC
From: John Hackett
Topic: 1056 Message: 1056

About the only thing I havn't tried in radio in 40 odd years is EME - but that is entirely due to aerial (and cash) restrictions.

How does a dedicated QRP operator justify an EME array? - it just can't be done on a wet shoelace wrapped around a rusty 6 inch nail ... (though I am of the impression that a lot of satellite operators use this particular configuration on AO-7).

I digress - in the aforementioned 40 odd years, that which still gets my juices cooking is a 'fast' CW QSO on AO-7 with either RW3XL or UA9CS ... in Russian.

Now that's !!! international communication by amateur radio.

The kids ought to watch such a QSO in progress (translated live).

Every bit as interesting as the Jay Leno SMS v CW video on U-Tube and it would probably get a few enquiring minds in gear.

(Ah!, there was !!! a point to his waffling.....GM1SXX).

He's the other half of the "twisted pair" folks ... see -

http://www.observations.biz/

73 John. <la2qaa@...>

1057. Re: [amsat-bb] Re: PCSAT-1 UPLINK over Europe

Yahoo group: eu-amsat
Date: 2007-11-16 02:35:03 UTC
From: Luc Leblanc
Topic: 1057 Message: 1057

On 16 Nov 2007 at 0:16, Raul, EA4EKH wrote:

>
> Being able limited, to go by car and with little power in the pass reaching
> my beacons not get to hear my beacons repeated by the PCSAT, so I insist on
> my beacon for attempting to contact.
>
> It appears that the satellite hear many of my beacons without that I could
> receive back as repeated. This is why my beacon is repeated so often.
>

1- That's the number one mistake we all made at one time or another
2-That's exactly what we have to do to correct this issue "My good friend
EA4EKH, has made me reach for my bad practice complaint last
November 14, when I contacted the PCSAT in APRS."

I assume the same is true here on this side of the pound but as this goes
probably privately... we can only trust it is done! (cultural matter i guess?).

"The one who never make a mistake should throw the first stone"
Fred Flintstone...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1058. AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-20 08:56:34 UTC
From: John Hackett
Topic: 1058 Message: 1058

Hi All,
Our dearly beloved Hungarian 'contest' (expert) friend - (he knows who he is) - was at it again this morning ...

Dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit dit, dit, dit
dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit,

Reoccuring ...

... at about 50 words a minute ... *ON TOP OF ME*.

(What did you say FULL DUPLEX meant ??).

I think he may have been irritated because I refused to answer the deliberate QRM. In the end, I had to bite the bullet and give him 599 just to get rid of him.

This I did, so off he went "ditting" down the band, happy as a lark.

As a 'contest' operator (according to his website) he ought to kn0ow better - but perhaps that's "normal" operating in contests ??.

It certainly doesn't belong on AO-7 ... AO-51 maybe! ... not on AO-7.

73 John. <la2qaa@amsat.org>
73 John.

1059. Re: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-20 22:41:18 UTC
From: SV1BSX
Topic: 1058 Message: 1059

Hhmmmm , John !

last evening I heard a "new version", no with usual dit, dit, dit, dit, dit but "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)

My friend John, I'm thinking that:

"if the idiots could fly, the Sun will be dark" .
They are hundreds of millions.

So, I am really happy because we have just... one of them on Oscar-7.

Great luck !

73 de Mak, SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Sent: Tuesday, November 20, 2007 10:56
Subject: [eu-amsat] AO-7 SITREP.

Hi All,
Our dearly beloved Hungarian 'contest' (expert) friend - (he knows who he is) - was at it again this morning ...

Dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit,
dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit dit, dit, dit
dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit, dit,

Reoccuring ...

... at about 50 words a minute ... *ON TOP OF ME*.

(What did you say FULL DUPLEX meant ??).

I think he may have been irritated because I refused to answer the deliberate QRM. In the end, I had to bite the bullet and give him 599 just to get rid of him.

This I did, so off he went "ditting" down the band, happy as a lark.

As a 'contest' operator (according to his website) he ought to kn0ow better - but perhaps that's "normal" operating in contests ??.

It certainly doesn't belong on AO-7 ... AO-51 maybe! ... not on AO-7.

73 John. <la2qaa@amsat.org>
73 John.

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 071118-2, 11/18/2007
Tested on: 11/20/2007 11:08:25
avast! - copyright (c) 1988-2007 ALWIL Software.

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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071118-2, 11/18/2007
Tested on: 11/21/2007 00:41:29
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1060. Re: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 00:21:05 UTC
From: Thomas Frey
Topic: 1058 Message: 1060

SV1BSX schrieb:
> Hhmmmm , John !
> last evening I heard a "new version", no with usual dit, dit, dit,
> dit, dit but
> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)
Hello John and Mak

This dit-dit... is an old method to find the own signal on a transponder
if the frequencies are unknown. I think he is a newbie and not an idiot.

> My friend John, I'm thinking that:
> "if the idiots could fly, the Sun will be dark" .
> They are hundreds of millions.
> So, I am really happy because we have just... one of them on Oscar-7.
> Great luck !
> 73 de Mak, SV1BSX

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1061. Re: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 00:39:43 UTC
From: SV1BSX
Topic: 1058 Message: 1061

..no Thomas, he is a GREAT IDIOT because always following the same signal.

If I call CQ ie on 145.940, he send dit-dit-dit on this frequancy. If I jump
to 145.945, he jumps
also to 145.945. If i return again to 145.940, he is also back to 145.940!
It happened dozens-times to me.

Is it that a method to find somebody the downlink signal? How? by
generating QRM on the "top" of some other operator?????

I don't think so.

Cheers

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, November 21, 2007 02:21
Subject: Re: [eu-amsat] AO-7 SITREP.

> SV1BSX schrieb:
>> Hhmmmm , John !
>> last evening I heard a "new version", no with usual dit, dit, dit,
>> dit, dit but
>> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)
> Hello John and Mak
>
> This dit-dit... is an old method to find the own signal on a transponder
> if the frequencies are unknown. I think he is a newbie and not an idiot.
>
>> My friend John, I'm thinking that:
>> "if the idiots could fly, the Sun will be dark" .
>> They are hundreds of millions.
>> So, I am really happy because we have just... one of them on Oscar-7.
>> Great luck !
>> 73 de Mak, SV1BSX
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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> Yahoo! Groups Links
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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 071118-2, 11/18/2007
> Tested on: 11/21/2007 02:27:05
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
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>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071118-2, 11/18/2007
Tested on: 11/21/2007 02:39:48
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1062. RE: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 08:58:19 UTC
From: John Hackett
Topic: 1058 Message: 1062

Thomas,
I can assure you the QRM was quite intentional and had nothing to do with "finding his own downlink".

The station concerned is an experienced "contest" operator (according to his website).

I think the problem had more to do with my refusing to answer such bad operating proceedure and ungentlemanly conduct ... (you don't need to "CONTINUINELY" send dit's for several minutes on top of a station calling CQ).

This kind of behaviour just ruins it for everybody - that's why I went QRT.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 21 Nov 2007 01:21:05 +0100
Subject: Re: [eu-amsat] AO-7 SITREP.

SV1BSX schrieb:

> Hhmmmm , John !

> last evening I heard a "new version", no with usual dit, dit, dit,

> dit, dit but

> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)

Hello John and Mak

This dit-dit... is an old method to find the own signal on a transponder

if the frequencies are unknown. I think he is a newbie and not an idiot.

> My friend John, I'm thinking that:

> "if the idiots could fly, the Sun will be dark" .

> They are hundreds of millions.

> So, I am really happy because we have just... one of them on Oscar-7.

> Great luck !

> 73 de Mak, SV1BSX

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1063. RE: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 09:00:19 UTC
From: John Hackett
Topic: 1058 Message: 1063

Mak,
Very well said !!!.

73 John. <la2qaa@...>
.....

> To: eu-amsat@yahoogroups.com
> From: sv1bsx@...
> Date: Wed, 21 Nov 2007 02:39:43 +0200
> Subject: Re: [eu-amsat] AO-7 SITREP.
>
> ..no Thomas, he is a GREAT IDIOT because always following the same signal.
>
> If I call CQ ie on 145.940, he send dit-dit-dit on this frequancy. If I jump
> to 145.945, he jumps
> also to 145.945. If i return again to 145.940, he is also back to 145.940!
> It happened dozens-times to me.
>
> Is it that a method to find somebody the downlink signal? How? by
> generating QRM on the "top" of some other operator?????
>
> I don't think so.
>
> Cheers
>
> 73, Mak SV1BSX
>
> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Wednesday, November 21, 2007 02:21
> Subject: Re: [eu-amsat] AO-7 SITREP.
>
>
> > SV1BSX schrieb:
> >> Hhmmmm , John !
> >> last evening I heard a "new version", no with usual dit, dit, dit,
> >> dit, dit but
> >> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)
> > Hello John and Mak
> >
> > This dit-dit... is an old method to find the own signal on a transponder
> > if the frequencies are unknown. I think he is a newbie and not an idiot.
> >

> >> My friend John, I'm thinking that:
> >> "if the idiots could fly, the Sun will be dark" .
> >> They are hundreds of millions.
> >> So, I am really happy because we have just... one of them on Oscar-7.
> >> Great luck !
> >> 73 de Mak, SV1BSX
> >
> > Mit freundlichen GrΓΌssen, Regards, 73
> > Thomas Frey, HB9SKA
> > _____
> >
> > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> > http://home.datacomm.ch/th.frey/
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> > Yahoo! Groups Links
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> > ---
> > avast! Antivirus: Inbound message clean.
> > Virus Database (VPS): 071118-2, 11/18/2007
> > Tested on: 11/21/2007 02:27:05
> > avast! - copyright (c) 1988-2007 ALWIL Software.
> > http://www.avast.com
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> avast! Antivirus: Outbound message clean.
> Virus Database (VPS): 071118-2, 11/18/2007
> Tested on: 11/21/2007 02:39:48
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
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> Yahoo! Groups Links
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1064. Re: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 09:07:31 UTC
From: Gennadi Klevtsov
Topic: 1058 Message: 1064

Hi John and others on the forum,
can you tell us, who is this "contestman", or how to visit his website?
Should be interesting to find out (for me, at least!)

73! Gennadi ES1RF/ES3RF

On Wed, 21 Nov 2007 10:58:19 +0200, John Hackett
<archie.hackett@...> wrote:

>
> Thomas,
> I can assure you the QRM was quite intentional and had
> nothing to do with "finding his own downlink".
>
> The station concerned is an experienced "contest" operator (according to
> his website).
>
> I think the problem had more to do with my refusing to answer such bad
> operating proceedure and ungentlemanly conduct ... (you don't need to
> "CONTINUINELY" send dit's for several minutes on top of a station
> calling CQ).
>
> This kind of behaviour just ruins it for everybody - that's why I went
> QRT.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Wed, 21 Nov 2007 01:21:05 +0100
> Subject: Re: [eu-amsat] AO-7 SITREP.
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> SV1BSX schrieb:
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>> Hhmmmm , John !
>
>> last evening I heard a "new version", no with usual dit, dit, dit,
>
>> dit, dit but
>
>> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)
>
> Hello John and Mak
>
>
>
> This dit-dit... is an old method to find the own signal on a transponder
>
> if the frequencies are unknown. I think he is a newbie and not an idiot.
>
>
>
>> My friend John, I'm thinking that:
>
>> "if the idiots could fly, the Sun will be dark" .
>
>> They are hundreds of millions.
>
>> So, I am really happy because we have just... one of them on Oscar-7.
>
>> Great luck !
>
>> 73 de Mak, SV1BSX
>
>
>
> Mit freundlichen Grüssen, Regards, 73
>
> Thomas Frey, HB9SKA
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>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
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> http://home.datacomm.ch/th.frey/
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Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1065. Hello Gene.

Yahoo group: eu-amsat
Date: 2007-11-21 09:30:52 UTC
From: John Hackett
Topic: 1058 Message: 1065

Hello Gene,
It's been a while, how are you?.

I've answered your question directly "off-list" because it is *NOT* my intention to start WW3 or get into a slanging match as to the quality of another station's operating proceedure.

Like Thomas says, if it's an inexperienced operator there might be an excuse ... but almost all the regulars have operated this particular gentleman on AO-7 so I wouldn't call him inexperienced on satellites.

It's best to put it down to him "having a bad day" and just forget about it ... I have.

As you know, VFO swishers and QRM'ers are most happy when they're getting "ATTENTION" ... therefore it's best to IGNORE them until they get tired of the game and go off to QRM somebody else.

I've always found the best way to combat deliberate QRM is to push that little button that says ... *OFF* ... (which is what I did) ... so they can play to their heart's content ... without disturbing me.

NB.

I'm too old to let such things bother me Gene. Being an 'old fart' has it's advantages ... he he he he he.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: genek@...
Date: Wed, 21 Nov 2007 11:07:31 +0200
Subject: Re: [eu-amsat] AO-7 SITREP.

Hi John and others on the forum,

can you tell us, who is this "contestman", or how to visit his website?

Should be interesting to find out (for me, at least!)

73! Gennadi ES1RF/ES3RF

On Wed, 21 Nov 2007 10:58:19 +0200, John Hackett

<archie.hackett@...> wrote:

>

> Thomas,

> I can assure you the QRM was quite intentional and had

> nothing to do with "finding his own downlink".

>

> The station concerned is an experienced "contest" operator (according to

> his website).

>

> I think the problem had more to do with my refusing to answer such bad

> operating proceedure and ungentlemanly conduct ... (you don't need to

> "CONTINUINELY" send dit's for several minutes on top of a station

> calling CQ).

>

> This kind of behaviour just ruins it for everybody - that's why I went

> QRT.

>

> 73 John. <la2qaa@...>

>

> To: eu-amsat@yahoogroups.com

> From: th.frey@...

> Date: Wed, 21 Nov 2007 01:21:05 +0100

> Subject: Re: [eu-amsat] AO-7 SITREP.

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> SV1BSX schrieb:

>

>> Hhmmmm , John !

>

>> last evening I heard a "new version", no with usual dit, dit, dit,

>

>> dit, dit but

>

>> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)

>

> Hello John and Mak

>

>

>

> This dit-dit... is an old method to find the own signal on a transponder

>

> if the frequencies are unknown. I think he is a newbie and not an idiot.

>

>

>

>> My friend John, I'm thinking that:

>

>> "if the idiots could fly, the Sun will be dark" .

>

>> They are hundreds of millions.

>

>> So, I am really happy because we have just... one of them on Oscar-7.

>

>> Great luck !

>

>> 73 de Mak, SV1BSX

>

>

>

> Mit freundlichen Grüssen, Regards, 73

>

> Thomas Frey, HB9SKA

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>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

>

> http://home.datacomm.ch/th.frey/

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Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1066. Re: [eu-amsat] AO-7 SITREP.

Yahoo group: eu-amsat
Date: 2007-11-21 10:04:33 UTC
From: Thomas Frey
Topic: 1058 Message: 1066

SV1BSX schrieb:
> ..no Thomas, he is a GREAT IDIOT because always following the same signal.
>
> If I call CQ ie on 145.940, he send dit-dit-dit on this frequancy. If I jump
> to 145.945, he jumps
> also to 145.945. If i return again to 145.940, he is also back to 145.940!
> It happened dozens-times to me.
>
> Is it that a method to find somebody the downlink signal? How? by
> generating QRM on the "top" of some other operator?????
>
> I don't think so.
>
> Cheers
>
> 73, Mak SV1BSX
>
OK, then this OM IS an idiot :-(

> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Wednesday, November 21, 2007 02:21
> Subject: Re: [eu-amsat] AO-7 SITREP.
>
>
>
>> SV1BSX schrieb:
>>
>>> Hhmmmm , John !
>>> last evening I heard a "new version", no with usual dit, dit, dit,
>>> dit, dit but
>>> "dit-dit-dit-dah, dit-dit-dit-dah, dit-dit-dit-dah" (V)
>>>
>> Hello John and Mak
>>
>> This dit-dit... is an old method to find the own signal on a transponder
>> if the frequencies are unknown. I think he is a newbie and not an idiot.
>>
>>
>>> My friend John, I'm thinking that:
>>> "if the idiots could fly, the Sun will be dark" .
>>> They are hundreds of millions.
>>> So, I am really happy because we have just... one of them on Oscar-7.
>>> Great luck !

>>> 73 de Mak, SV1BSX
>>>
>> Mit freundlichen GrΓΌssen, Regards, 73
>> Thomas Frey, HB9SKA
>>

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1067. Re: [eu-amsat] Hello Gene.

Yahoo group: eu-amsat
Date: 2007-11-21 13:28:23 UTC
From: Luc Leblanc
Topic: 1058 Message: 1067

>
> As you know, VFO swishers and QRM'ers are most happy when they're getting "ATTENTION" ... therefore it's best to IGNORE them until they get tired of the game and go off to QRM somebody else.
>
> I've always found the best way to combat deliberate QRM is to push that little button that says ...
OFF ... (which is what I did) ... so they can play to their heart's content ... without disturbing me.

Just to let you know we have someone who blow in his mike for a whole pass on a sat here few weeks ago over me. I QSY and he don't follow me??

Explanations

1-He's an inexperienced ham who want to make some test
2-He's an experienced ham who want to make test
3-He's an experience ham who want just to do deliberate QRM
4-He's an inexperience ham who just want to do deliberate QRM
5-He's at time each of the above and he's an AMSAT-NA member or an AMSAT-BB reader who dislike what i wrote...

Even if some present themself as strong democratic and freedom defender they act as Mr Hambly one day wrote to me:

On 29 Apr 2007 at 14:29, Rick Hambly (W2GPS) wrote:

> Luc,
>
>
> AMSAT-BB is the property of AMSAT and we provide this service to promote the
> discussion of Ham satellite construction and operation.
>
> Your messages will now be moderated "READ CENSORED"

> I am sorry to have to take this action and I do not wish to create conflict
> but your messages are being read by people in a position to be very helpful
> to AMSAT's ability to build and launch satellites and they are not pleased.
> If you wish to criticize this or any other AMSAT action, please direct those
> comments to the responsible individuals rather than the AMSAT-BB list.
>
> Rick
> W2GPS
> AMSAT LM2232

As you see here in "America" we are very flexible when time come to interpret the sense of democracy and freedom... some a making deliberate QRM some

censorship and some unjustify war...

As most of the actual folks involved in the Ham satellite business are in the seventies and more!!! how do you think the few new-comers who wants to joingned our group think about this gang!!!

Those young folks who are FREELY chatting over the internet for more than a decade now will just look at us as a bunch of conservative old fart where the truth is in their hands.

I crossed posted this one to AMSAT-BB... just look what the female or male censor in chief will do with this one :))

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1068. A *must* read for the potential newcomer to satellites.

Yahoo group: eu-amsat
Date: 2007-11-22 17:42:41 UTC
From: John Hackett
Topic: 1068 Message: 1068

From OBSERVATIONS ... <http://www.observations.biz/>

By LA2QAA & GM1SXX ... This observation by GM1SXX. See also ... "HOW MUCH POWER IS ENOUGH" by LA2QAA.

A *must* read for potential newcomwrs to amateur satellites.
.....
.....
.....

“More power Egor.” - Dr Frankenstein.

Here's a good question from a regular reader.

> Why is it bad to use more power than absolutely necessary when >transmitting to a satellite and how does this affect the battery >capacity of the satellite?

There are two answers to this one.

1) With an FM bird, power is not an issue. FM is a continuous duty mode. When a signal is present on the transponder, no matter whether you are whispering or yelling, the power consumed is, or should be, exactly the same.
FM transponders operate in Class C. With Class C amplifiers, when a signal is present, the transponder consumes what would be considered a 'normal' amount of power.
With no signal present, the power amplifier (PA) consumes virtually no power, and since the PA is *the* major power consumer on a satellite, this is good. Only the receiver and IF strip are active with no signal present. Power consumed from the battery therefore depends primarily on how much time the transponder is active for during each orbit.

OK, I've neglected the other power consumers on the bird such as the command system etc, but these are NOT affected by the behaviour of users.

2A) With a LINEAR transponder bird, running excess power on the uplink is a VERY serious issue.

On a LINEAR transponder, the transponder's bandwidth (typically 100Khz) is 'shared' between the all of the users users in the transponder's 'passband'. The transponder literally takes a chunk of spectrum, amplifies and re-transmits it's entire contents on a different frequency.

The total transponder power available is therefore SHARED between the users. If one user runs excessive power, the automatic gain control (AGC) in the satellite's receiver reduces the overall passband gain to compensate. This reduces the strength of the downlink signal for EVERYONE.

It's therefore easy to realise that if everyone ran the MINIMUM uplink power, the satellite AGC would never be operating and therefore the DOWNLINK signals (for everyone) would be strongest.

This is an important point.

If the power level of even ONE user is greater than the AGC range can cope with (all too common I'm afraid), the transponder 'limits' (bottoms out), and in extreme cases goes non-linear with the excessively strong signals 'FM modulating' it. In short, it consumes a great deal of power while NOT providing any useful communications.

2B) Now for the serious stuff.
Linear transponders operate in Class AB. The power consumption of the transponder is roughly proportional to the strength of ALL the signals in the passband. If one signal dominates, it will use most of the available downlink power, If it's strong enough to trigger the AGC into action, this lowers the downlink power available for EVERYONE ... INCLUDING the offending station.

So, with a linear bird, the amount of power consumed from the battery is heavily dependent of the strength of the strongest signal!

You may be interested to hear that 5W is enough power (to a modest yagi) to work CW on Amsat Oscar7. It was certainly also the case for the sadly now defunct Russian radiosport satellites.

Satellite receivers are generally VERY sensitive indeed. The limiting factor with Linear birds is the IQ of the most thoughtless user. Many users are sensible, but it only takes ONE user running excessive power into a linear transponder bird to ruin the party for all.

Since the power consumption of a linear satellite bears an almost linear relationship to the total power in the passband, the use of excessive power will rapidly run down the battery. This compromises the expected lifespan of the satellite by degrading the battery components.

Satellites in Low Earth Orbit have brutal demands made of their batteries. 14 orbits a day is typical for these birds, so the battery suffers 14 charge-discharge cycles each day. Try doing that to a set of Ni-Cd batteries and see how long they last!
Because the operating regime is so harsh, the batteries need to be over-rated , in order to provide an acceptable battery life expectancy. Battery Charge Regulators (BCR's) also help greatly to provide an acceptable working life for amateur satellites.

Put simply, here are some basic satellite facts

FM satellites
PRO's.
Can be used with cheap FM equipment.
CONS
Encourages bad operating practices thanks to FM Capture Effect.
Only supports one QSO.

Linear satellites
PRO's.
Can support many concurrent users AND modes.
CON's.

Easily 'clobbered' by FM type operating practices.

So the operating practices for linear and FM satellites are very different. Unfortunately some users don't realise this.

LA2QAA & GM1SXX. 22-11-07.

1069. [Fwd: [Forum] AMSAT groups support ZEL funding]

Yahoo group: eu-amsat
Date: 2007-11-22 23:25:39 UTC
From: Thomas Frey
Topic: 1069 Message: 1069
Attachments: 1 described; binary payloads are missing from this source WARC

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1070. Re: [eu-amsat] [Fwd: [Forum] AMSAT groups support ZEL funding]

Yahoo group: eu-amsat
Date: 2007-11-23 00:40:30 UTC
From: SV1BSX
Topic: 1069 Message: 1070

....tks Thomas for interesting FWD.

However I wonder why the University of Marburg "closes" the ZEL.

I believed that, a Development Laboratory for Electronics should be on TOP for a similar University.

If the Electronics are not on TOP nowadays, what other is it ?

73, Mak SV1BSX

==========>>>>>

Press Release

AMSAT groups support ZEL funding

Earlier this year the Directors of AMSAT-DL were informed by the University of Marburg in Germany that it had been decided that funding for the ZEL by the University would cease at the end of 2007. The Directors approached AMSAT-NA and AMSAT-UK for financial assistance in keeping the ZEL open for another year. The sum of 25,000 Euros was requested.

At recent meetings of the AMSAT-NA Board and of the AMSAT-UK Committee, it was agreed that both would contribute to the donation. Given the relative sizes of the two donating AMSAT groups it was agreed that AMSAT-NA would donate 75% of the money required, and that AMSAT-UK would donate 25%.

The ZEL (Zentrales Entwicklungslabor fur electronic, roughly translated as the Central Development Laboratory for Electronics) has been the facility which, over the last 40 years, has been at the centre of much amateur satellite development activity by members of the University, members of AMSAT-DL, as well as other members of AMSAT from outside Germany. The most famous satellite to be produced there was OSCAR-13 which gave the Amateur Radio Community many years of excellent service.

Currently under construction is Phase 3E, a satellite similar in size and shape to OSCAR-13, but with many advanced features. It will carry a 70 cms to 2 metre band transponder, as well as transponders on other bands. Importantly it will carry its own rocket motor which will boost its orbit into a highly elliptical one, which will give world wide coverage, allowing ordinary radio amateur great DX possibilities through the transponders. Radio Amateurs have not had such a satellite since the demise of AO-40 in March 2004.

The P3E satellite is still under construction in the ZEL, and its completion is anticipated for sometime in 2008. It is note worthy that some of the personnel employed by the University to work in the ZEL have undertaken to continue working on P3E as volunteers.

Links:

Pictures of the ZEL
http://www.uk.amsat.org/gallery2/main.php?g2_itemId=32

Nachrichten an Mailing-Liste: forum@...

Der Nachrichteninhalt stellt die persoenliche Meinung des Autors dar.

Noch kein AMSAT-Miglied? Treten Sie der AMSAT-DL bei:
http://www.amsat-dl.org/beitritt.html

Webinterface der Mailingliste unter:
http://lists.amsat-dl.org/mailman/listinfo/forum

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: "EU-Amsat" <eu-amsat@yahoogroups.com>
Sent: Friday, November 23, 2007 01:25
Subject: [eu-amsat] [Fwd: [Forum] AMSAT groups support ZEL funding]

>
> --
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ---
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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Virus Database (VPS): 071118-2, 11/18/2007
Tested on: 11/23/2007 02:09:09
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1071. Re: [eu-amsat] [Fwd: [Forum] AMSAT groups support ZEL funding]

Yahoo group: eu-amsat
Date: 2007-11-23 11:28:04 UTC
From: Thomas Frey
Topic: 1069 Message: 1071

SV1BSX schrieb:
> ....tks Thomas for interesting FWD.
>
> However I wonder why the University of Marburg "closes" the ZEL.
>
> I believed that, a Development Laboratory for Electronics should be on TOP
> for a similar University.
>
> If the Electronics are not on TOP nowadays, what other is it ?
>
> 73, Mak SV1BSX
>
Hello Mak and group

The ZEL has developed electronics for the Phillipps-University which was
not available on the market. I think, this is not necessary today. That's
why they closes the lab. And now a year later for AMSAT-DL and P3E.

There was a note from John, that Hartmut has joined our group. Eventually
can you give us a more exact explanation ?

>
> ==>>>>>
>
>
>
>

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1072. Yaesu G-550 KT-550 rotor freezing and jamming

Yahoo group: eu-amsat
Date: 2007-11-24 17:11:54 UTC
From: Luc Leblanc
Topic: 1072 Message: 1072

This question is intended for part of the world who have below freezing point WX. I have an elevation rotor the Yeasu G-550 installed up side down but who work 2 winters seasons here. This year he just start to freeze and he stuck under minus 0C temperature?

Just before having to dismantle about 6 beams on the boom did anyone experienced this problem? As it seems this rotor has no draining holes i just think to add one to let the excess humidity to get out of the casing hoping the next above freezing point period will melt the ice build-up allowing water to drain out of the rotor casing.

Thank's for your input before i start drilling in the case...:)
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1073. Re: [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

Yahoo group: eu-amsat
Date: 2007-11-25 01:53:30 UTC
From: SV1BSX
Topic: 1072 Message: 1073

Hi Luck,

as I see, nobody answered to your question, so I decide to write you just my opinion -
no experience here in Greece with minus temp's.

But, if my rotator was "glued"(stuck), the first thing that I would try is the measurement of current that
it consumes. The normal consumption should be well known ie from "G-550 manual".

Therefore, if you have much bigger current consumption under 0 C, probably that means the gear-box
is stuck, the motor is trying to move the glued-mechanism, so it's normal the bigger current.

But is also possible to measure 0 Amps. In this case the problem it might be not the
stuck gear box, but something in the electrical circuit (the motor ?).

In any case I don't agree with any new hole on rotor's case. I don't believe that it will resolve the problem.
The internal world of rotator is very difficult (at my opinion) to have too much ice from the humidity, in order to be able to STOP the rotator.
The motor is strong enough.

So, for me it's very important to know the current consumption. That it will help to find the
problem's source.

Just my "2 cents" worth.

73, Mak SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Saturday, November 24, 2007 19:11
Subject: [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

> This question is intended for part of the world who have below freezing
> point
> WX. I have an elevation rotor the Yeasu G-550 installed up side down but
> who
> work 2 winters seasons here. This year he just start to freeze and he
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> under minus 0C temperature?
>
> Just before having to dismantle about 6 beams on the boom did anyone
> experienced this problem? As it seems this rotor has no draining holes i
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> think to add one to let the excess humidity to get out of the casing
> hoping the
> next above freezing point period will melt the ice build-up allowing water
> to
> drain out of the rotor casing.
>
> Thank's for your input before i start drilling in the case...:)
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
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Virus Database (VPS): 071122-0, 11/22/2007
Tested on: 11/25/2007 03:53:34
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http://www.avast.com

1074. The solution.

Yahoo group: eu-amsat
Date: 2007-11-25 06:53:34 UTC
From: John Hackett
Topic: 1072 Message: 1074

Luc,
Having often operated from the eastern part of Norway for many years with as daily temperature of minus 35 degrees in February - I have a little 'experience' from cold climates.

(Incidentally, I used the same rotor).

The long term solution is to change the grease to one that can tolerate the temperature and to mount a "motor warmer".

I used the heating element from a kettle. It keeps the rotor nice and warm in the winter ... but increases your electricity bill ...
horses for courses ...

I CC'd this to the amsat-bb in case there are a few up in Washington State with the same dilemma.

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sat, 24 Nov 2007 12:11:54 -0500
Subject: [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

This question is intended for part of the world who have below freezing point

WX. I have an elevation rotor the Yeasu G-550 installed up side down but who

work 2 winters seasons here. This year he just start to freeze and he stuck

under minus 0C temperature?

Just before having to dismantle about 6 beams on the boom did anyone

experienced this problem? As it seems this rotor has no draining holes i just

think to add one to let the excess humidity to get out of the casing hoping the

next above freezing point period will melt the ice build-up allowing water to

drain out of the rotor casing.

Thank's for your input before i start drilling in the case...:)

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1075. Re: [eu-amsat] The solution.

Yahoo group: eu-amsat
Date: 2007-11-25 17:48:23 UTC
From: SV1BSX
Topic: 1072 Message: 1075

Luc,

as John said, grease is very significant.
I found some interesting Emails about it. Take a look.

73, Mak SV1BSX

==========
==========>>>>>>>>>>>>>>>>>>>>

From Fred, ZL1BYP:
(Second email)

The grease I used was a silicone lubricant called Molykote 111 from Dow Corning. I picked it up - a 100gm tube - at a local engineering outlet. It's designed as a fluid valve and O Ring lubricant and it's appeal to me was that it was resistant to 'washout'. That was the important thing in my book as the bearings themselves are - to say the least - pretty crude as ball races go. There is no specialised bearing grease - to my knowledge - designed for the bearing surfaces involved in these units. Molykote 111 was reasonably slippery - and it would stay there - what more does one need in that situation?!

I can't comment in detail on how well it's done as I haven't had cause to take either of the two rotor sets down for examination or repair. They just run on. Perhaps that says it all.....!!!

First email from Fred:

For what it's worth. I stripped my Kempro rotor sets about 6 years ago and found that the balls had corroded leaving a large ridge on one particular ball. This had 'picked up' a spider finger and it was in the process of using the spider unit as a scraper which was scraping away the groove in the aluminium casing. It was the grunching of this that alerted me to the trouble. With the rotor above the shack window I heard the change in noise immediately and stopped it straight away! (As a marine engineer of some 40 years standing any slight change of sound 'in the ship' is noticed immediately and looked into.....!!!!)

I ditched both of the (very crude) spiders in the rotor and made up the difference in (stainless) steel balls leaving about a "one ball" (5/16") gap so they could roll easily in the track. It's been running very nicely ever since.

I picked up a retirement job at a local university at about the same time and it involved some experimental work using PoSAT on its commercial frequency bands. I did the same thing to the rotor set there before I put it up and that set tracked every pass (using KCTetc.) 24/365 for 4 years (!!) - less a 48hr shutdown when a disc drive failed in the PC - and that's still running beautifully now locked - for the hell of it - on AO-51. (Keep 'em active is the way to keep 'em servicable in my book).

Stainless socket head cap screws is also 'spot on' as replacements for the (dreadful) cross slot case securing screws.

Use plenty of antiseize compound on the threads and - yes - keep the drain hole clear in the bottom of the casing; most important.
****

From John, KC8ZFN (including exchange with Stan, WA1ECF) :

Stan,
Thanks for the tips. From Ken's pictures it does appear that moisture is getting in form the top of the el rotor where the two casing halves meet. I like your lapping for better fit idea.

I think Permatex "form-a-gasket" would not introduce much spread between the halves, but I'm glad you made that point.

I like the idea of tapping grease nipples at the bearings. Anti seize is in order too as you say.

I've yet to get my hands on the G5500 bought in unused condition from a list member, but before it goes up it will be disassembled and treated to some Boeshield T-9 on the inside of the casing and perhaps an enlarged drain hole with a screen cover to keep critters out. I'll follow your suggestions too. That pic of Kens is scary!!

(Stan's email which prompted above reply regarding John's comment "...separate the housings and apply some Permatex gasket sealant."

UGH.... Wrong direction to take

The case halves are precision machined to allow a proper mating of the ball bearing surfaces. adding a gasket will open up the bearings to allow a sloppier fit and greater opportunity to leak inside.

Adding gasket cement to the case halves would make it very difficult to open up later for service.

If anything, I would inspect and if needed, lightly lap the case half mating surfaces to allow a better (tighter) fit around the circumference and grease the case halve mating surfaces with a tenacious grease.

Keep in mind that the drain hole in the bottom of the case is there for a purpose, and may need to be periodically cleared of insects.

Fabricating a cover over the el rotator would do more to keep the rain and dust out of the bearings.

In time, the steel ball bearings and race rust away. The bearings become elongated and do not roll. As the bearings become loose, the gear train unmeshes so the pot is not connected for a el indication or is intermittent. The corroded, rusty, gritty abrasive, bearings start chewing up the softer alloy case halves at the bearing.

An interim solution would be to replace the steel bearings with stainless steel ones and eliminate the bent sheet metal race (bearing separator), adding more bearings to compensate, as needed.

The long term solution is a seal on each bearing surface to keep the acid rain out and to add a grease nipple at each bearing to allow periodic maintenance.

On a new unit, all hardware should be removed, one at a time and a antiseize compound used on the threads to allow maintenance later. Avoid excessive compound in blind holes that may hydrostatically lock the screw. See the folks at the auto parts store.

If you use the separation kit, treat those threads also. The separation kit rusts up in a hurry so use a tenacious lubricating grease on the threads "that will be used". You will see the advantage 5 years from now. I use a 1 lb tub of boat trailer bearing grease from Wal-Mart, will last 5+ years. Use an acid brush to apply.

Use a dielectric silicone grease on the connector pins and backshell before you seal it up with coax seal and tape. This grease is available from auto part stores.
****

From Nicolaus Sallay, PP8DA

I strongly recomend not to use lithium grease, because this mixes with water and looses its greasing ablity. I recomend a grease with molibdenium dissulfite, comecialy known as Molicote or similar brand name. It has excelent lubricating quality's and is long lasting and even in lot temperature conditions it still works. It seems to me that the dark, black colored grease originally used in the rotors are of the above tipe.

Beware of clogging the botom drain hole of the rotor.
****

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Sunday, November 25, 2007 08:53
Subject: [eu-amsat] The solution.

Luc,
Having often operated from the eastern part of Norway for many years with as daily temperature of minus 35 degrees in February - I have a little 'experience' from cold climates.

(Incidentally, I used the same rotor).

The long term solution is to change the grease to one that can tolerate the temperature and to mount a "motor warmer".

I used the heating element from a kettle. It keeps the rotor nice and warm in the winter
... but increases your electricity bill ...
horses for courses ...

I CC'd this to the amsat-bb in case there are a few up in Washington State with the same dilemma.

73 John. <la2qaa@...>

To: amsat-bb@...

CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sat, 24 Nov 2007 12:11:54 -0500
Subject: [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

This question is intended for part of the world who have below freezing point WX. I have an elevation rotor the Yeasu G-550 installed up side down but who work 2 winters seasons here. This year he just start to freeze and he stuck under minus 0C temperature?

Just before having to dismantle about 6 beams on the boom did anyone experienced this problem? As it seems this rotor has no draining holes i just think to add one to let the excess humidity to get out of the casing hoping the next above freezing point period will melt the ice build-up allowing water to drain out of the rotor casing.

Thank's for your input before i start drilling in the case...:)
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

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1076. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-11-26 12:42:34 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 1076

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /IARU/VHF_Handbook_V5_11.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : VHF HandBook (IARU)

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/IARU/VHF_Handbook_V5_11.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/help/us/groups/files

Regards,

sv1bsx <sv1bsx@...>

1077. Re: [eu-amsat] The solution.

Yahoo group: eu-amsat
Date: 2007-11-26 16:36:18 UTC
From: Luc Leblanc
Topic: 1072 Message: 1077

On 25 Nov 2007 at 19:48, SV1BSX wrote:

> Luc,
>
> as John said, grease is very significant.
> I found some interesting Emails about it. Take a look.
>
> 73, Mak SV1BSX
>
> ==========
> ==========>>>>>>>>>>>>>>>>>>>>

Many Thank's Mak

Our outside temperature is now +1C and the rotor is working it is confirm water in in the casing and probably gets in by the drain hole that i never found on my unit and if there is any he will be at the top offering a very good moisture access point. Is it also possible that humidity succeed to form inside by temperature variation and or by entering by the joingning sections.

My model a Yaesu G-550 looks like the same as the Kenpro KR-500 and does not seems to have any drainage hole in the casing but this will have to be visually confirm.

Looking at the exploded inside schematic picture of the rotor it seems that it is possible to drill a hole in the casing to drain this excess water? Could be someone who open one can confirm if there is enough clearance to avoid drilling through the gear/motor system?

Thank's for all your advices and for all the private one too.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1078. Re: ***SPAM*** [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

Yahoo group: eu-amsat
Date: 2007-11-26 18:28:09 UTC
From: Gennadi Klevtsov
Topic: 1072 Message: 1078

Hello Luc,

I found your question may be too late to give you any recommendation

regarding to G-550.

I am using G-500A (which is practically the same construction) since

1997 and another one since 1999. And I never (!) got problem, like you have.

For information, here, in Estonia, we have temperature up to - (minus) 32

degrees Celsius in February, so I was afraid about freezing my YAESU rotors (both, G-1000SDX and G-500A).

But it never happened! And they are both very heavy loaded. Just look on my WEB-site!

Main reason - G-500A has a drain hole in the bottom (from the factory!) and it should be open always!!

You write "the Yeasu G-550 installed up side down"!

May be this is a fault, for sure!

I think you can try solve problem just to drill one or 2 holes in the bottom of rotor, then heat with a industrial

air heater untill all liquid flows out and after that never close these holes.

One trick, which I using always, when temperature goes down below -8-10 degrees:

turn the elevation rotor 90 degrees up and when to the parking position.

It helps a lot, even some humidity stored inside the rotor!

Also check, if you have normal voltage on the rotor terminal (the control cable has

thick enough wires).

I hope, you already solve the problem.

73! Gennadi ES1RF/ES3RF

http://es1rf.interval.ee

Saturday, November 24, 2007, 7:11:54 PM, you wrote:

>

This question is intended for part of the world who have below freezing point WX. I have an elevation rotor the Yeasu G-550 installed up side down but who work 2 winters seasons here. This year he just start to freeze and he stuck under minus 0C temperature?

Just before having to dismantle about 6 beams on the boom did anyone experienced this problem? As it seems this rotor has no draining holes i just think to add one to let the excess humidity to get out of the casing hoping the next above freezing point period will melt the ice build-up allowing water to drain out of the rotor casing.

Thank's for your input before i start drilling in the case...:)

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

--

Best regards,

Gennadi mailto:genek@...

1079. Re[2]: [eu-amsat] The solution.

Yahoo group: eu-amsat
Date: 2007-11-26 23:24:12 UTC
From: Gennadi Klevtsov
Topic: 1072 Message: 1079

Hello Luc,

in my G-500A the drain hole is exactly in the middle,

between 2 half of rotor's housing. And it is bottom side,

where boom goes through rotator.

73! Gennadi

ES1RF/ES3RF

Monday, November 26, 2007, 6:36:18 PM, you wrote:

>

Many Thank's Mak

Our outside temperature is now +1C and the rotor is working it is confirm water

in in the casing and probably gets in by the drain hole that i never found on

my unit and if there is any he will be at the top offering a very good moisture

access point. Is it also possible that humidity succeed to form inside by

temperature variation and or by entering by the joingning sections.

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someone who open one can confirm if there is enough clearance to avoid drilling

through the gear/motor system?

Thank's for all your advices and for all the private one too.

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

.

--

Best regards,

Gennadi mailto:genek@...

1080. Re:Yaesu G-550 KT-550 rotor freezing and jamming

Yahoo group: eu-amsat
Date: 2007-11-26 23:32:38 UTC
From: SV1BSX
Topic: 1072 Message: 1080

Hello to all,

Gennadi pointed-out : "G-550 installed up side down" !

Sorry Luc, I had missed this very important detail (good one Genna)!!
So here we have now a completely different scenario and of course
I also agree 100% with Gennadi, probably that is your problem.
But if you drill 1-2 new holes in the case's bottom, I think
you must "tap" (close) the upper old-hole.
I can't imagine how can be useful the "upper" hole, except an
damned-way to flow water... inside of rotor !

73, Mak SV1BSX

----- Original Message -----
From: Gennadi Klevtsov
To: Luc Leblanc
Sent: Monday, November 26, 2007 20:28
Subject: Re: ***SPAM*** [eu-amsat] Yaesu G-550 KT-550 rotor freezing and jamming

Hello Luc,

I found your question may be too late to give you any recommendation

regarding to G-550.

I am using G-500A (which is practically the same construction) since

1997 and another one since 1999. And I never (!) got problem, like you have.

For information, here, in Estonia, we have temperature up to - (minus) 32

degrees Celsius in February, so I was afraid about freezing my YAESU rotors (both, G-1000SDX and G-500A).

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You write "the Yeasu G-550 installed up side down"!

May be this is a fault, for sure!

I think you can try solve problem just to drill one or 2 holes in the bottom of rotor, then heat with a industrial

air heater untill all liquid flows out and after that never close these holes.

One trick, which I using always, when temperature goes down below -8-10 degrees:

turn the elevation rotor 90 degrees up and when to the parking position.

It helps a lot, even some humidity stored inside the rotor!

Also check, if you have normal voltage on the rotor terminal (the control cable has

thick enough wires).

I hope, you already solve the problem.

73! Gennadi ES1RF/ES3RF

http://es1rf.interval.ee

Saturday, November 24, 2007, 7:11:54 PM, you wrote:

>
This question is intended for part of the world who have below freezing point

WX. I have an elevation rotor the Yeasu G-550 installed up side down but who

work 2 winters seasons here. This year he just start to freeze and he stuck

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Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

--

Best regards,

Gennadi mailto:genek@...

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1081. Drilling of a G-550 results!!!

Yahoo group: eu-amsat
Date: 2007-11-27 01:10:46 UTC
From: Luc Leblanc
Topic: 1072 Message: 1081

On 27 Nov 2007 at 1:24, Gennadi Klevtsov wrote:

> Hello Luc,
> in my G-500A the drain hole is exactly in the middle,
> between 2 half of rotor's housing. And it is bottom side,
> where boom goes through rotator.
> 73! Gennadi
> ES1RF/ES3RF
> Monday, November 26, 2007, 6:36:18 PM, you wrote:
>

On 26 Nov 2007 at 13:38, Dave Guimont wrote:

> Luc, mine are up on the mast of course, 5500, and I've had the 5400's...
>
> So now I am going to make a guess...
>
> Can you crack the case open, a tad, and just let it drain out?
>
> As I remember one would have to have the rotor removed to do
> that...But I'm originally from Northern Minn, 50 miles further north,
> and I would have been a Canadian, and actually French-Canadian descent...
>
> So on the mast, drilling a hole would do no good until maybe a warm March day!!
>
> Again, I doing a lot of conjecture!!
>
> I've had my 5400's apart several times to relube, just watch the ball
> bearings!!
>
End of soap show

Thank's again Gennadi and Dave for your inputs Eagle as landed!!! I finally get through the rotor casing with a 3/16 drill bit and just before i found "the drain hole" exactly where you tell Gennadi "NEVER INSTALLED THESES ROTOR WITH THE DRAIN HOLE UPWARDS..."

As soon as the drill bit pass through the casing there was a fluid leakage who stay flowing in a steady jet for 10 seconds!! and dripping for another 10 seconds with the aid of a metal wire inserted in the hole.

Collateral damages

1-Probably a mess inside? rust? corrosion? mildew? and so on...
2-Upper hole plugged with a metal screw plus silicone
3-Struck something when drilling pass through the casing!!! (Not too lucky with lotto ticket...)

4-Meter does not move anymore probably a wire cut or the pot has been stabbed

Lets the weather return to the minus 0C again and just watch the rotor

Conclusion

Rotor will don't freeze in ice anymore (i hope) and i will have to rely on a visual metering system in daylight and on something else overnight.

Thank's to my neighbour dog a Labrador moaning and barking after me at the end of his chain during the whole operation... Just forget my pliers and screw-driver down the tower!!! as i am not too lucky with my drilling probably the same with my pitching...JOKE ;)

As we can pass in an episode of minus zero C temperature at any moment i don't take any chance and i jump on this +C swing i just remember a past winter with another rotor stuck as water fill in due to a crack in the casing not too happy to have a beam always pointing towards nowhere.

To be continued...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1082. Fw: [amsat-bb] AO-7 UHF beacon received!

Yahoo group: eu-amsat
Date: 2007-11-27 12:15:06 UTC
From: SV1BSX
Topic: 1082 Message: 1082

John,

did you read it that? any comment ?

73, Mak SV1BSX

>----- Original Message -----
>From: "Auke de Jong, VE6PWN" <sparkycivic@...>
>Sent: Tuesday, November 27, 2007 05:24
>Subject: AO-7 UHF beacon received!
>

>I haven't seen anyone ever say that they heard the beacon on 435.1 lately, so I thought I'd give it a try...
> I read somewhere that this beacon should be active while the satellite is in mode-a. a quick check of the ao-7 log site showed that the most recent contacts via her were on mode-b as of about 2am UTC, and knowing that her 24 hour timer is working deadly-acurate given continuous sunlight, I knew that by this time it should be in mode-A. I didn't hear anyone on the downlink in mode-a, but I decided to tune for the uhf beacon anyway, and after very faintly hearing something before it was overhead, i finally managed to latch-on as she fell to the horizon in the north. By this time my 7 el beam antenna was blinded by my house, so I changed to the horiz omni 0dB antenna, and then observed, for a few minutes, the doppler-shift-curve of a definite beacon from space. I have taken a screen-capture showing all the pertinent data, and the signal itself on the spectrum display! I think that it's a good thing I hooked up my pre-amp otherwise i might have missed it! after the screen-!
> cap was taken, I observed the signal to "level-off" and then fade-out exactly as predicted LOS via my Orbitron program.
>
> Maybe next time I'll be able to point my better antenna at it, and hear what information the beacon might be sending!
> I read online that it is not a CW message like the VHF one, but rather an FSK modulated one... It's also known to have suffered low output on this beacon intermittently, or perhaps permanently. In that case, I might need a whole lot more antenna just to get a good copy anyway! someone else might be able to do a better job than I with this in mind...
>
> I'll post a link to the image which I'll host on my local provider's gratuitous server... it might not live long there however, since I might need the space for something else in the future, so I encourage those interested to save a copy of it on your own computers for later reference.
>
> http://members.shaw.ca/sparkycivic/HAM/ao-7%20uhf%20beacon.JPG
>
> enjoy...
> Auke,
> VE6PWN

> Edmonton, AB DO33

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071125-0, 11/25/2007
Tested on: 11/27/2007 14:15:11
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1083. Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 18:54:23 UTC
From: John Hackett
Topic: 1083 Message: 1083

To whom it may concern,

Newcomers to amateur satellite operating.

It's people like LA7SP dishing out false information who frighten off quite a few potential newcomers ...

In an internet article he states ...

Minimumskrav til antenner ansees å være kryss-yagi med ca. 10
dB gain, faset for høyredreid sirkulær polarisasjon.

Translation.

The minimum requirement is a crossed yagi with 10dB gain phased for circular polarisation.

Minimum requirement ???.

(ABSOLUTE RUBBISH !!! ..... LA2QAA & GM1SXX).

(aka . "The Twisted Pair").

This gentleman may think he's being helpful but in fact false information is more of a hindrance than a help to the newcomer.

Once learned, false information and bad habits are hard to "unlearn".

73 John. <la2qaa@...>

1084. Re: [eu-amsat] Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 19:09:32 UTC
From: Trevor
Topic: 1083 Message: 1084

Hi John,

Apart from the fact that his article is in Norwegian rather than English, so few will understand it anyway The article is clearly talking about AO-40 (P3-D) and a 10 dB gain antenna for that satellite was realistical.

73 Trevor M5AKA

--- John Hackett <archie.hackett@...> wrote:

>
> To whom it may concern,
>
> Newcomers to amateur satellite operating.
>
> It's people like LA7SP dishing out false information who frighten off quite a
> few potential newcomers ...
>
> In an internet article he states ...
>
> Minimumskrav til antenner ansees ? v?re kryss-yagi med ca. 10
> dB gain, faset for h?yredreid sirkul?r polarisasjon.
>
> Translation.
>
> The minimum requirement is a crossed yagi with 10dB gain phased for circular
> polarisation.
>
> Minimum requirement ???.
>
> (ABSOLUTE RUBBISH !!! ..... LA2QAA & GM1SXX).
>
> (aka . "The Twisted Pair").
>
> This gentleman may think he's being helpful but in fact false information is
> more of a hindrance than a help to the newcomer.
>
> Once learned, false information and bad habits are hard to "unlearn".
>
> 73 John. <la2qaa@...>
>

_____
Want ideas for reducing your carbon footprint? Visit Yahoo! For Good
http://uk.promotions.yahoo.com/forgood/environment.html

1085. RE: [eu-amsat] Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 19:18:11 UTC
From: John Hackett
Topic: 1083 Message: 1085

Trevor,
If you read the article you'll see he also refers to the "RS" birds ...

73 John

To: eu-amsat@yahoogroups.com
From: m5aka@yahoo.co.uk
Date: Tue, 27 Nov 2007 19:09:32 +0000
Subject: Re: [eu-amsat] Rubbish !!!.

Hi John,

Apart from the fact that his article is in Norwegian rather than English, so

few will understand it anyway The article is clearly talking about AO-40 (P3-D)

and a 10 dB gain antenna for that satellite was realistical.

73 Trevor M5AKA

--- John Hackett <archie.hackett@...> wrote:

>

> To whom it may concern,

>

> Newcomers to amateur satellite operating.

>

> It's people like LA7SP dishing out false information who frighten off quite a

> few potential newcomers ...

>

> In an internet article he states ...

>

> Minimumskrav til antenner ansees å være kryss-yagi med ca. 10

> dB gain, faset for høyredreid sirkulær polarisasjon.

>

> Translation.

>

> The minimum requirement is a crossed yagi with 10dB gain phased for circular

> polarisation.

>

> Minimum requirement ???.

>

> (ABSOLUTE RUBBISH !!! ..... LA2QAA & GM1SXX).

>

> (aka . "The Twisted Pair").

>

> This gentleman may think he's being helpful but in fact false information is

> more of a hindrance than a help to the newcomer.

>

> Once learned, false information and bad habits are hard to "unlearn".

>

> 73 John. <la2qaa@...>

>

Want ideas for reducing your carbon footprint? Visit Yahoo! For Good
http://uk.promotions.yahoo.com/forgood/environment.html

1086. RE: [eu-amsat] Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 19:25:23 UTC
From: Trevor
Topic: 1083 Message: 1086

John,

The article must have been written nearly a decade ago.

With regard to "RS" I'm presume you're refering to the section titled "Satellittkj?ring p? HF", he makes no reference to power or antenna gain regarding those sats.

73 Trevor M5AKA

--- John Hackett <archie.hackett@...> wrote:

>
> Trevor,
> If you read the article you'll see he also refers to the "RS"
> birds ...
>
> 73 John
>
> To: eu-amsat@yahoogroups.com
> From: m5aka@...
> Date: Tue, 27 Nov 2007 19:09:32 +0000
> Subject: Re: [eu-amsat] Rubbish !!!.
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> 73 Trevor M5AKA
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> --- John Hackett <archie.hackett@...> wrote:
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> > 73 John. <la2qaa@...>
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> http://uk.promotions.yahoo.com/forgood/environment.html
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Want ideas for reducing your carbon footprint? Visit Yahoo! For Good
http://uk.promotions.yahoo.com/forgood/environment.html

1087. RE: [eu-amsat] Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 19:32:49 UTC
From: John Hackett
Topic: 1083 Message: 1087

Trevor,
As experienced operators both you and I know that ... however, a lot of newcomers tend to read old articles and apply those principles to today's standards ... which is not always wise.

My intention was to make the newcomer aware of this, perhaps I should have been more specific.

Thank you for pointing out my shortcomings.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Tue, 27 Nov 2007 19:25:23 +0000
Subject: RE: [eu-amsat] Rubbish !!!.

John,

The article must have been written nearly a decade ago.

With regard to "RS" I'm presume you're refering to the section titled

"Satellittkjøring på HF", he makes no reference to power or antenna gain

regarding those sats.

73 Trevor M5AKA

--- John Hackett <archie.hackett@...> wrote:

>

> Trevor,

> If you read the article you'll see he also refers to the "RS"

> birds ...

>

> 73 John

>

> To: eu-amsat@yahoogroups.com

> From: m5aka@...

> Date: Tue, 27 Nov 2007 19:09:32 +0000

> Subject: Re: [eu-amsat] Rubbish !!!.

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> Hi John,

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> Apart from the fact that his article is in Norwegian rather than English, so

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> (P3-D)

>

> and a 10 dB gain antenna for that satellite was realistical.

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> 73 Trevor M5AKA

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> --- John Hackett <archie.hackett@hotmail.com> wrote:

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>

> > To whom it may concern,

>

> >

>

> > Newcomers to amateur satellite operating.

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> > It's people like LA7SP dishing out false information who frighten off quite

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> > Minimumskrav til antenner ansees å være kryss-yagi med ca. 10

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> > Translation.

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Want ideas for reducing your carbon footprint? Visit Yahoo! For Good
http://uk.promotions.yahoo.com/forgood/environment.html

1088. 80 watt BRICK on AO-7.

Yahoo group: eu-amsat
Date: 2007-11-27 19:42:57 UTC
From: John Hackett
Topic: 1088 Message: 1088

Trevor,
A few weeks ago I also pointed out that the American who claimed on the Amsat-bb that an 80 watt BRICK amplifier was necessary to operate AO-7 was giving out information that wasn't correct.

The intention was to dispel a few myths.

Personally, I do quite nicely with 22 year old rigs and an ERP of 25 watts - as a quick shuftie at the AO-7 log will show.

The IOTA 36 can't be credited because I never mention it.

With 80 watts you could use the proverbial wet shoelace or a rusty 6 inch nail as an aerial.

73 John. <la2qaa@...>

1089. RE: [eu-amsat] Rubbish !!!.

Yahoo group: eu-amsat
Date: 2007-11-27 21:00:26 UTC
From: Trevor
Topic: 1083 Message: 1089

--- John Hackett <archie.hackett@...> wrote:
> As experienced operators both you and I know that ... however, a
> lot of newcomers tend to read old articles and apply those principles to
> today's standards ... which is not always wise.

No offence to Norwegian speakers on this reflector but realistically no-one outside Norway reads Norwegian.

It's not in English (or Spanish/German/Portugese) so nobody in the outside world will ever know about it.

73 Trevor M5AKA

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

1090. Re: [eu-amsat] 80 watt BRICK on AO-7.

Yahoo group: eu-amsat
Date: 2007-11-27 21:32:11 UTC
From: Trevor
Topic: 1088 Message: 1090

--- John Hackett <archie.hackett@...> wrote:
> Personally, I do quite nicely with 22 year old rigs and an ERP of 25 watts -
> as a quick shuftie at the AO-7 log will show.
...
> With 80 watts you could use the proverbial wet shoelace or a rusty 6 inch
> nail as an aerial.

I don't disagree with you John.

Different satellites require different power levels and the problem as you rightly identify is in educating users of that fact.

One recent satellite took close to a Kilowatt on 28 MHz to access it but with many others just 10 watts to a small beam is all that is required.

73 Trevor M5AKA

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

1091. Norwegians in the minority.

Yahoo group: eu-amsat
Date: 2007-11-28 01:30:06 UTC
From: John Hackett
Topic: 1083 Message: 1091

Trevor,
As I explained in my third mail to you, my comments were merely an illustration - should they not apply to Norwegian operators as well?, minority or not.

Three of them live on this island.

Of course the Norwegians are are minor group, Amsat-wise - does this mean they should be exempt?.

Lets just say you're right and I'm wrong and leave the nitpicking to something more important eh?.

73 John.

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Tue, 27 Nov 2007 21:00:26 +0000
Subject: RE: [eu-amsat] Rubbish !!!.

--- John Hackett <archie.hackett@...> wrote:

> As experienced operators both you and I know that ... however, a

> lot of newcomers tend to read old articles and apply those principles to

> today's standards ... which is not always wise.

No offence to Norwegian speakers on this reflector but realistically no-one

outside Norway reads Norwegian.

It's not in English (or Spanish/German/Portugese) so nobody in the outside

world will ever know about it.

73 Trevor M5AKA

Yahoo! Answers - Got a question? Someone out there knows the answer. Try it

now.

http://uk.answers.yahoo.com/

1092. AO-13

Yahoo group: eu-amsat
Date: 2007-11-28 01:55:17 UTC
From: John Hackett
Topic: 1092 Message: 1092

Trevor,
By the way, reference my comments regarding the LA's information where you mentioned he specified AO-13 in a (semi) high earth orbit.

I have a veritable stack of QSL's from all over the world using 25 watts ERP and ancient equipment so the 'specific' aerial and rigs he mentioned are also *NOT* necessary items.

That was the word I reacted to ... "necessary".

Some of the things he mentioned could be 'advantagious' but most certainly! not "necessary"

You see quite a lot of this sort of thing on the Amsat-bb ... kind of like - If it was in "The News Of The World" it *MUST* be true ... (not).

I really do believe a lot of potential newcomers are frightened away by misleading information - particularly the cost of equipment ... a *LOT* of which is *NOT* necessary.

How many time have we read about "you really need automatic doppler tuning" ... a convenience! yes ... but you don't 'NEED' it.

Neither does one need an EME class aerial to work the current crop of satellites ... for instance we ought to make known the difference in the required effect to work a satellite near the horizon vis-a-vis one at TCA - (time of closest approach) - yes, I know you !!! know what TCA means but perhaps somebody reading this doesn't.

I've written an article in OBSERVATIONS suggesting that operators might like to try QRP'ing as a particular satellite approaches them.
A few of them just might get a surprise.

73 John.

1093. World oldest HAM VE2DW!

Yahoo group: eu-amsat
Date: 2007-11-29 21:05:09 UTC
From: Luc Leblanc
Topic: 1093 Message: 1093

No its not a typing error.. It's not me VE2DWE but a kind of homonym Aurele VE2DW is just turning 100 years old. Just watch him on a senior TV show (in french). His secret? He's still making QSO'S in CW and he's "probably" the oldest and still active Ham radio operator in the world.

http://download.yousendit.com/4D8525721CD5DA31

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1094. Satellite DX

Yahoo group: eu-amsat
Date: 2007-11-30 07:29:28 UTC
From: John Hackett
Topic: 1094 Message: 1094

Stop whinging! ...

No DX you say ... have a look at the AO-7 orbit 51201 on Friday the 30th of November 2007 from 05:55 to 06:00.

This orbit covered more sixty !!! entities (DXCC countries) including northeast China, Mongolia, northern India, Pakistan, Afghanistan,
all 18 of the earlier Soviet republics, the entire European continent, the entire Middle East and most of the central and north African countries.

No DX? ... Rubbish !!!.

I battet this over to the Amsat-bb so our American friends can see what "can" be worked from Europe.

I'm sure certain orbits would allow most of the states and even parts of central America on some orbit (?) ... I'm just too bone-idle to check it out.

73 John. <la2qaa@...>

1095. Symbian prediction software

Yahoo group: eu-amsat
Date: 2007-11-30 07:31:49 UTC
From: John Hackett
Topic: 1095 Message: 1095

To whom it may concern,

A portable satellite station can be as small and simple as a dual-mode handheld plus a 3/4 wave whip - (AO-51).

It isn't always convenient to lug a laptop around but almost everybody carries a mobile phone in their pocket.

Pass prediction programs are available for Windows mobile and certain PDA devices but none - (that I can assertain) - for the Symbian series 60 operating system ... of which there are a*LOT*.

Now, if you happen to be a"wapper" - (pun intentional) - you can get online predictions from the internet - but it's an inconvenient and "finnicky" way of doing things.

Is there anyone out there capabable of writing a pass prediction program for the Symbian series 60 mobile phone operating system?.

(NB - not everybody has the "latest" phone, that's why the Series 60 would be the best option for a Symbian system).

The program doesn't need to have fancy graphics and logos, those are just a waste of space - (again, pun intentional) - a simple prediction table would suffice - showing date, time azimuth, elevation and range. The other criteria are not necessary when you're operating portable.

I did suggest this to Emily N1DID a couple of year ago but nothing came of it.

If anyone is capable - (and willing) - to write such a program I would be *MOST* interested.

Surely it's cheaper to write a Symbian program than to buy a new phone that uses existing software ... like the Predict program on Windows mobile ?.

Anyone willing to take up the challenge? ... (to save me purchasing a new phone).

73 John. <la2qaa@amsat.org>

1096. Re: [eu-amsat] Satellite DX

Yahoo group: eu-amsat
Date: 2007-11-30 10:30:24 UTC
From: SV1BSX
Topic: 1094 Message: 1096

Good morning John & Group,

you have absolutely right about DXing and AO-7. My location is a mere example, it's in very good position for orbits over West & Middle Asia. Africa too.

However, the Satellite traffic above these areas is very poor.

Except of some former Soviet-Union countries (but just a few), the rest Asia is like a Ham-desert. I have sent several times Emails, for example to Indian hams requesting a sked in order to make a contact with VU. Nothing at all ! And keep in mind, VU-land is a new-one for me on Satellites - but "NO luck" ! (..and my surspise is big enough especially with VU, as this country has in orbit a HAM Satellite - see VO-52)!

I don't know if the Afganistan & Pakistan have anyone active on Sats. I don't think so. Also the Middle East, just a few peoples they are active, I remember the 4X & OD-lands.

Africa? he he.... here is the real desert ! TR8CA was active, but he is not anylonger. ZS-land has several peoples, but never I heard somebody on AO-7. And it's a real DX that for me, over 7000 Km !

Therefore, I agree with your comment however I'm thinking:

"too much DXCC entities but.... just a few peoples" !!!

Ironically, the 1/4 of planet seems to be without population !

Q: could be the EU-AmSat Group the campaign leader (with Emails etc), in order to activate some peoples from these countries on AO-7 ?

It's a good challenge, I think.

Have a nice day

73 de Mak, SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Friday, November 30, 2007 09:29
Subject: [eu-amsat] Satellite DX

Stop whinging! ...

No DX you say ... have a look at the AO-7 orbit 51201 on Friday the 30th of November 2007 from 05:55 to 06:00.

This orbit covered more sixty !!! entities (DXCC countries) including northeast China, Mongolia, northern India, Pakistan, Afghanistan,

all 18 of the earlier Soviet republics, the entire European continent, the entire Middle East and most of the central and north African countries.

No DX? ... Rubbish !!!.

I battet this over to the Amsat-bb so our American friends can see what "can" be worked from Europe.

I'm sure certain orbits would allow most of the states and even parts of central America on some orbit (?) ... I'm just too bone-idle to check it out.

73 John. <la2qaa@...>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071127-0, 11/27/2007
Tested on: 11/30/2007 12:30:28
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1097. AO-7 Report.

Yahoo group: eu-amsat
Date: 2007-11-30 10:33:37 UTC
From: John Hackett
Topic: 1097 Message: 1097

I wonder how many people make the mistake of thinking AO-7 is not transmitting (when it is) but the receiving equipment isn't adequate.

An illustration ... on orbit 51203 at 09:32 this morning, 30-11-07 at the start of the orbit I heard nothing at all ... absolutely nothing! from AO-7.

However, switching the polarisation of my aerials to vertical (from horizontal) resulted in a received signal of S3 ... and as the orbit progressed, the signal strength incread and the polarisation changed another two times on that particular orbit.

Remember !!! ... the propagation to all intents and purposes is different at various QTH's ... so the result at one QTH - (for instance, signal report) - is highly likely to be quite different at another QTH.

I would advise using your EARS !!! as a reference because meters are a complete waste of time in this particular situation/application.

I would thoroughly recommend switchable polarisation for LEO's. It doesn't have to be commercial and expensive. Mine doesn't even use coaxial relays - and it's built into an aluminium lunchbox ... don't laugh!, they're cheap and RF tight.

There's a full explanation on OBSERVATIONS ... (http://www.observations.biz) of why I don't bother with circular polarisation on LEO satellites.

73 John. <la2qaa@...>

1098. RE: [eu-amsat] Satellite DX

Yahoo group: eu-amsat
Date: 2007-11-30 10:42:14 UTC
From: John Hackett
Topic: 1094 Message: 1098

Gents,

I suggest each and every one of us sends the relavant mail to every national society requesting it be published in their magazine/newsletter to attempt to generate satellite interest in the countries where there is coverage but no operation.

There are several countries where a potential newcomer could "rake-in" the satellite certificates quicker than you can say "AO-7 is a damned good satellite when it's used properly".

Again, I've batted this over to the States in case they suffer from the same kind of inactivity in some of the states.

Let's educate! a few new operators ... not blind 'em with science.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Fri, 30 Nov 2007 12:30:24 +0200
Subject: Re: [eu-amsat] Satellite DX

Good morning John & Group,

you have absolutely right about DXing and AO-7. My
location is a mere example, it's in very good position for orbits over West
& Middle Asia. Africa too.

However, the Satellite traffic above these areas is very
poor.

Except of some former Soviet-Union countries (but
just a few), the rest Asia is like a Ham-desert. I have sent several times
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sked in order to make a contact with VU. Nothing at all ! And
keep in mind, VU-land is a new-one for me on
Satellites - but "NO luck" ! (..and my surspise is big enough especially with
VU, as this country has in orbit a HAM Satellite - see VO-52)!

I don't know if the Afganistan &
Pakistan have anyone active on Sats. I don't think so. Also the Middle
East, just a few peoples they are active, I remember
the 4X & OD-lands.

Africa? he he.... here is the real desert
! TR8CA was active, but he is not anylonger. ZS-land has several peoples,
but never I heard somebody on AO-7. And it's a real DX
that for me, over 7000 Km !

Therefore, I agree with your comment however I'm
thinking:

"too much DXCC entities but.... just a few peoples" !!!

Ironically, the 1/4 of planet seems to be without
population !

Q: could be the EU-AmSat Group the campaign leader (with
Emails etc), in order to activate some peoples from these countries on AO-7
?

It's a good challenge, I think.

Have a nice day

73 de Mak, SV1BSX

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Friday, November 30, 2007
09:29
Subject: [eu-amsat] Satellite DX

Stop whinging! ...

No DX you say ... have a look at the
AO-7 orbit 51201 on Friday the 30th of November 2007 from 05:55 to
06:00.

This orbit covered more sixty !!! entities (DXCC
countries) including northeast China, Mongolia, northern India,
Pakistan, Afghanistan,
all 18 of the earlier Soviet republics, the entire
European continent, the entire Middle East and most of the central and north
African countries.

No DX? ... Rubbish !!!.

I battet this
over to the Amsat-bb so our American friends can see what "can" be worked from
Europe.

I'm sure certain orbits would allow most of the states and
even parts of central America on some orbit (?) ... I'm just too bone-idle to
check it out.

73 John.
<la2qaa@...>

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071127-0, 11/27/2007

```
Tested on: 11/30/2007 12:30:28
avast! - copyright (c) 1988-2007 ALWIL Software.
```

1099. Re[2]: [eu-amsat] Satellite DX

Yahoo group: eu-amsat
Date: 2007-11-30 15:39:14 UTC
From: Gennadi Klevtsov
Topic: 1094 Message: 1099

Hello John, Makis and the group.

The main thing: not only DX, but other HAM-people simply not interesting

in satellite communication via LEO satellites! This is just my opinion,

but look like I am right. Even here, in Estonia i can not "heat up" any

interest to satellites. I make several lectures on our local conferences,

I shows on our hamfests the live QSO via satellites using the portable setup.

All in vain....

Now I am a holder of DXCC Satellite Award (#296) and I was very proud to inform

my Estonian HAM-colleagues about that. But looking for theirs reaction I understood,

that it is the 1-st and the last DXCC Satellite Award in Estonia,

where VHF and up are very popular! I spent 10 years to get these countries via

satellites, but I-ve got my 5 Band DXCC Award just in 5-6 years. Big difference!!

I am afraid to say to some "normal" HAM about 10 years for simple DXCC Award.

They will laugh for the rest of the life...

On my home page http://es1rf.interval.ee I have my DXCC country list,

where are indicated DXCC-land regarding to satellites.

Also you can see, how many QSO with every country and how many of themes are CFM.

From these 119 DXCC territories I've got 108 via HEO satellites

and only 11 via LEO satellites.

From these 11 I,ve got 6 via FM satellites and 5 via linear transponders

(FO-20, FO-29, AO-7).

And this is from 3843 QSO, which I keep in my electronic logbook.

The communication on HF is so easy with a modern RIG and it is possible with

a simplest wire antennas. As one HAM told me in a conversation on 20 m band:

"I am not so stupid to buy expensive VHF/UHF equipment and build up fantastic

antennas with azimuthal and elevation rotators just to make QSO on several hundred

kilometers!". What to say against off?

No enthusiasts, no interest - no newcomers on satellite bands!!!

I am sorry, but me, personally, will never send any

"...relavant mail to every national society requesting it be published in their

magazine/newsletter to attempt to generate satellite

interest in the countries where there is coverage but no operation...".

A lot of more interesting things to do instead of to waste time for letters...

Best regards

Gennadi

ES1RF/ES3RF

Friday, November 30, 2007, 12:42:14 PM, you wrote:

>

Gents,

I suggest each and every one of us sends the relavant mail to every national society requesting it be published in their magazine/newsletter to attempt to generate satellite interest in the countries where there is coverage but no operation.

There are several countries where a potential newcomer could "rake-in" the satellite certificates quicker than you can say "AO-7 is a damned good satellite when it's used properly".

Again, I've batted this over to the States in case they suffer from the same kind of inactivity in some of the states.

Let's educate! a few new operators ... not blind 'em with science.

73 John.

.

--

Best regards,

Gennadi mailto:genek@...

1100. Newbie help?

Yahoo group: eu-amsat
Date: 2007-11-30 15:54:22 UTC
From: Dominic Baines
Topic: 1100 Message: 1100

As a relative/complete newbie to satellites I need some info as to where to start as other than sitting on the appropriate up/down links, pointing a yagi vaguely south when satellites are passing and listening not heard anything yet.... anyone interested in helping?

I tend to operate HF but I am also one of those that operate stations for 24-72 hours when away on work especially if it is an island so I would guess I might be of interest to those looking for rare/semi-rare grid square activations.

73
Dom
M1KTA

_____
Yahoo! Answers - Got a question? Someone out there knows the answer. Try it now.
http://uk.answers.yahoo.com/

1101. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-11-30 19:23:15 UTC
From: Thomas Frey
Topic: 1100 Message: 1101

Dominic Baines schrieb:
> As a relative/complete newbie to satellites I need some info as to
> where to start as other than sitting on the appropriate up/down links,
> pointing a yagi vaguely south when satellites are passing and
> listening not heard anything yet.... anyone interested in helping?
>
> I tend to operate HF but I am also one of those that operate stations
> for 24-72 hours when away on work especially if it is an island so I
> would guess I might be of interest to those looking for rare/semi-rare
> grid square activations.
>
> 73
> Dom
> M1KTA
>
> ----------
Hello Dom

AMSAT-UK has a "How Do I Start" on there homepage, see at
http://www.uk.amsat.org/content/view/19/35/
For further questions and information you are always welcome.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1102. RE: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-11-30 23:07:22 UTC
From: John Hackett
Topic: 1100 Message: 1102

Thomas,
Very well done indeed, I applaud you.

This is how we should make the potential newcomer welcome.

You are a credit to EU-Amsat.

73 John. <la2qaa@...> IOTA EU-36.
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 30 Nov 2007 20:23:15 +0100
Subject: Re: [eu-amsat] Newbie help?

Dominic Baines schrieb:

> As a relative/complete newbie to satellites I need some info as to

> where to start as other than sitting on the appropriate up/down links,

> pointing a yagi vaguely south when satellites are passing and

> listening not heard anything yet.... anyone interested in helping?

>

> I tend to operate HF but I am also one of those that operate stations

> for 24-72 hours when away on work especially if it is an island so I

> would guess I might be of interest to those looking for rare/semi-rare

> grid square activations.

>

> 73

> Dom

> M1KTA

>

> ---

Hello Dom

AMSAT-UK has a "How Do I Start" on there homepage, see at

http://www.uk.amsat.org/content/view/19/35/

For further questions and information you are always welcome.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1103. Re: Satellite DX

Yahoo group: eu-amsat
Date: 2007-12-02 01:57:29 UTC
From: mika.siira
Topic: 1094 Message: 1103

Hello folks,

Greetings from northern Finland. I agree all about what Gennadi wrote, the situation is about the same here.
I got my first "bite" on amateur satellites on august 2005. I purchased a VHF/UHF multimode rig that I used for contesting and after contests I tried to figure out more use for the rig. Satellites were one option for me and I have never regret that choice.
During the summer of this year Jussi, OH5LK wrote an article in our national ham radio magazine about operation on ham satellites. Just for curiosity I asked few months ago on at one national irc channel for "people interested in radio" who have been working on satellites after this article. I got two answers. The first was "I dont't like to work via repeaters" and the second was " I have worked the satellites already in 1980's"(this comment was from the famous OH HF contest operator).In my opinion, this discribes clearly the attitude what "ordinary hams" feel about operation via satellites.

For "newcomers", I strongly suggest to start satellite operations on passband satellites. FM sats are published as "easy sats", but are they really, let's say with 5W tx power and arrow type antenna in Europe? Listen yourself few passes on AO-51 over Europe and figure it out...
In OH-land I know there are many stations that are well equipped with antennas and radios (VHF/UHF), but those stations have never been heard on satellites. I suppose they are well aware what they could work with their setup, but it is just the question of the lack of interest. And the question is how we could awake the interest of those stations?
During the past two years I have worked some 50 DXCC countries over LEO sats, and remaining 50 lands for DXCC award will take some 10-20 years withing the current speed :)
Just my few cents at early morning hours...

Mika, OH8MBN

1104. Satellite DX - why bother?.

Yahoo group: eu-amsat
Date: 2007-12-02 08:23:28 UTC
From: John Hackett
Topic: 1094 Message: 1104

In reply to Mika and Gennardi,

Having operated radio for over 40 years I am well aware of the negative attitude (for various reasons) of certain stations (mainly HF orientated) regarding satellites.

Please read my original mail again ... so! many people wonder where the challenge is ... *THERE* !!!! is the challenge ... getting some activity from those places that are DX ... and remember!, what is "DX" on HF is not necessarily DX on satellites.

DX (in this context) is an acronym for "distance". Though your signal may traverse the ionosphere twice when operating a satellite, please remember, it's the transponder that is doing 50% of the work.

Are more "accurate" measurement via satellite is Km per watt, but it's the efficiency of the aerial system that is the main parameter.
The state of the ionoshere at any given location (different at different locations) also plays a major part.

Of course! the experienced operator knows this but please remember, there are continuinely potential newcomers "popping in" for a look to see what this reflector is all about so let's try to be positive folks. It doesn't cost anything.

73 John.

To: eu-amsat@yahoogroups.com
From: mika.siira@yahoo.com
Date: Sun, 2 Dec 2007 01:57:29 +0000
Subject: [eu-amsat] Re: Satellite DX

Hello folks,

Greetings from northern Finland. I agree all about what Gennadi wrote,

the situation is about the same here.

I got my first "bite" on amateur satellites on august 2005. I

purchased a VHF/UHF multimode rig that I used for contesting and after

contests I tried to figure out more use for the rig. Satellites were

one option for me and I have never regret that choice.

During the summer of this year Jussi, OH5LK wrote an article in our

national ham radio magazine about operation on ham satellites. Just

for curiosity I asked few months ago on at one national irc channel

for "people interested in radio" who have been working on satellites after this article. I got two answers. The first was "I dont't like to work via repeaters" and the second was " I have worked the satellites already in 1980's"(this comment was from the famous OH HF contest operator).In my opinion, this discribes clearly the attitude what "ordinary hams" feel about operation via satellites.

For "newcomers", I strongly suggest to start satellite operations on passband satellites. FM sats are published as "easy sats", but are they really, let's say with 5W tx power and arrow type antenna in Europe? Listen yourself few passes on AO-51 over Europe and figure it out...

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During the past two years I have worked some 50 DXCC countries over LEO sats, and remaining 50 lands for DXCC award will take some 10-20 years withing the current speed :)

Just my few cents at early morning hours...

Mika, OH8MBN

1105. Satellite portable.

Yahoo group: eu-amsat
Date: 2007-12-02 13:51:56 UTC
From: John Hackett
Topic: 1105 Message: 1105

Satellite portable ... or ... satellite tracking on your mobile phone.

Avid readers of the bulletin boards may be aware that a couple of years ago I mentioned that it might be a good idea if someone wrote a tracking program for mobile phones that ran the popular Symbian operating system.

At that time, nobody resonded.

There have been programs for certain PDA's and Win-doze mobile but until recently, nothing for the Symbian OS..

A portable satellite station can be as small as a dual-band handheld, a 3/4 wave whip (albiet minimalistic) and your mobile phone.

Of course, one can print out orbit predictions as well as lugging around a laptop for fancy graphics - but the really 'smart' people could just
use a 'smartphone'.

Therefore ... since nobody responded first time around - (I can't even write my name properly) - I repeated my request for someone to write a tracking program for Symbian phones ... which resulted in K0SM Andy making me aware of his excellent tracking program for mobile phones called 'SATme'.

Users of Java programs on mobile phones are usually aware that many strange things can and usually do happen with the installation of certain programs.

The reason I mention this is to illustrate the 'service' Andy provided - which was nothing less than spectacular! ... in fact, he customised his program - (on a Saturday night !, while we were in "QSO" on the internet) - to specifically fit my N70 phone, giving me the parameters I wanted in a tracking program for portable operations.

Tailor-made tracking programs? ...this is most certainly in the true spirit of amateur radio.

A DEMO of Andy's program may be downloaded from this location ... <http://www.k0sm.com/>

I'm also using my phone as a QSO recorder ... as well as transmitting CW WAV files ... to compliment the maniature homebrew keyer I have strapped to my thigh, made from 2 x microswitches 'thieved' from a computer mouse. I have the phones clock set up for various satellite 'periods' - (AOS audio warnings, to you!) while the phone's 'notepad' shows the uplink/downlink frequencies.

A mobile phone can be a very useful addition to your portable satellite station if you don't want to lug your laptop around.

The 'Mprs' program not only shows up on Findu.com - it sends your GPS position and if you wish, even a text message from your phone.

Google maps is self explaitory.

Did I mention that in extreme cicumstances my Nokia N74 could even be used as a telephone ??.

73 John. <la2qaa@...>

1106. AO-7 DXing

Yahoo group: eu-amsat
Date: 2007-12-02 15:23:53 UTC
From: SV1BSX
Topic: 1106 Message: 1106

Hi all,

The good news after John LA2QAA's encouragement is that, the activity on OSCAR-7 seems to be increased during the last days!

Even to "lonely" mode-A !

Good one John.

73, Mak SV1BSX

ps: BTW congratulations for your new "overseas" QSO with AJ9K.

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071130-0, 11/30/2007
Tested on: 12/2/2007 17:23:58
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1107. RE: [eu-amsat] AO-7 DXing

Yahoo group: eu-amsat
Date: 2007-12-02 15:43:41 UTC
From: John Hackett
Topic: 1106 Message: 1107

Hi Mak,
That was the plan. A little friendly "stirring the pot" ... he he he he.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sun, 2 Dec 2007 17:23:53 +0200
Subject: [eu-amsat] AO-7 DXing

Hi all,

The good news after John LA2QAA's encouragement is that, the
activity on OSCAR-7
seems to be increased during the last days!

Even to "lonely" mode-A !

Good one John.

73, Mak SV1BSX

ps: BTW congratulations for your new "overseas" QSO with
AJ9K.

Email: sv1bsx@...
URL : http://sv1bsx.50webs.com

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071130-0, 11/30/2007
Tested on: 12/2/2007 17:23:58
avast! - copyright (c) 1988-2007 ALWIL Software.

1108. Fw: [amsat-bb] AO7

Yahoo group: eu-amsat
Date: 2007-12-04 02:17:12 UTC
From: SV1BSX
Topic: 1108 Message: 1108

----- Original Message -----
From: <k3szh@...>
To: <amsat-bb@...>
Sent: Tuesday, December 04, 2007 03:20
Subject: [amsat-bb] AO7

> Congratulation Frank K9CIS for passing the 1000 mark
>contact on AO7.You are the only 2ND station in the whole
>USA to do it,plus you did it by your great CW skill.
>Again well done,I am holding my glass high.
> 73
> Joe K3SZH
> Amsat 3788
>

...Hey, Europeans....

attack to "US-friends" in order to fall them from the top !

(I'm joking of course !!!!)

Congrat's to Frank, K9CIS.
http://www.planetemily.com/ao7/userStats.php

Enjoy the OSCAR-7....

73 de Mak, SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071130-0, 11/30/2007
Tested on: 12/4/2007 04:17:16
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1109. AO-7 ... N1DID & K9CIS note.

Yahoo group: eu-amsat
Date: 2007-12-04 08:17:43 UTC
From: John Hackett
Topic: 1109 Message: 1109

Hi All,
It's December again ... (ho -ho-ho) ... and consequently my administrative privilages for The AO-7 Resource Page log have expired.

(This means I can no longer edit the mistakes)

Emily N1DID hasn't responded to my mails so the log will probably very soon get out of hand again.

Frank (K9CIS) on orbit 51248 at 23:27 you've logged K3SZH twice for the same QSO.

Each station can still edit their own entry (but nobody else's) by clicking on the hourglass at the left of your entry. A new screen will pop up and you can just correct any mistakes.

PLEASE !!! be careful to enter the correct data because if you don't notice your error it will soon throw the log statistics out of whack and defeat the entire object of the log ... which is an ACTIVITY log *NOT* a contest log.

I have administered the log for three years but am now concentrating on a different long term activity regarding AO-7 which, hopefully, will benefit the entire amateur satellite community - commencing in the spring of 2008.

A request to the ANS editor regarding careful entries in the log and how to edit it would be very much appreciated.

73 John. <la2qaa@...>

1110. Agree ... and HELP !!!.

Yahoo group: eu-amsat
Date: 2007-12-04 17:57:43 UTC
From: John Hackett
Topic: 1110 Message: 1110

Hey Bob,
That's a great !!! idea ... I wish !!!! I knew how to do it.

Emily, who wrote the program "disappeared" into the "Second Life" virtual world over a year ago and has not been heard of since!.

She used to send me a cookie every December to reactivate the annual editing privilages I had from my computer.

I have a copy of the cookie but have no idea ! where it should go to activate the program again. Last December I just messed around with it and somehow managed to get it into the right place by a fluke! ... sheer luck ... this December, after messing about all day I can't find out where it should go.

Needless to say, I am most definately *NOT* an IT guru.

I'll bat this mail to both reflectors Bob just in case somebody recognises the problem and can advise me how to correct it.

73 John. <la2qaa@...>

From: w7lrd@...
To: la2qaa@...
Subject: Re: [amsat-bb] AO-7 ... N1DID & K9CIS note.
Date: Tue, 4 Dec 2007 17:12:35 +0000

I think this web site is invalueable I use it all the time. The only change I would recomend is, if there is a comment for a particular contact it would help it the little eye glass would change color or somthing to indicate that there is infact a message there. Yes I totally agree it is not a contest log but to be honest it is fun to see who is where.
73 Bob W7LRD

---------- Original message ----------
From: John Hackett <archie.hackett@...>

>
> Hi All,
> It's December again ... (ho -ho-ho) ... and consequently my
> administrative privilages for The AO-7 Resource Page log have expired.
>
> (This means I can no longer edit the mistakes)
>
> Emily N1DID hasn't responded to my mails so the log will probably very soon get
> out of hand again.
>
> Frank (K9CIS) on orbit 51248 at 23:27 you've logged K3SZH twice for the same
> QSO.

>
> Each station can still edit their own entry (but nobody else's) by clicking on
> the hourglass at the left of your entry. A new screen will pop up and you can
> just correct any mistakes.
>
> PLEASE !!! be careful to enter the correct data because if you don't notice your

&
gt; error it will soon throw the log statistics out of whack and defeat the entire
> object of the log ... which is an ACTIVITY log *NOT* a contest log.
>
> I have administered the log for three years but am now concentrating on a
> different long term activity regarding AO-7 which, hopefully, will benefit the
> entire amateur satellite community - commencing in the spring of 2008.
>
> A request to the ANS editor regarding careful entries in the log and how to edit
> it would be very much appreciated.
>
> 73 John.
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

1111. Re: [eu-amsat] Agree ... and HELP !!!.

Yahoo group: eu-amsat
Date: 2007-12-05 00:38:40 UTC
From: Thomas Frey
Topic: 1110 Message: 1111

John Hackett schrieb:
> Hey Bob,
> That's a great !!! idea ... I wish !!!! I knew how to do it.
>
> Emily, who wrote the program "disappeared" into the "Second Life"
> virtual world over a year ago and has not been heard of since!.
>
Hello John

If Emily is lost in "Second Live" then you can meet her in 2ndLive. She has created a "live" around AMSAT and Space, but I don't know her name there.
But be cautious, we all want not loss John, LA2QAA, also. ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1112. RE: [eu-amsat] Agree ... and HELP !!!.

Yahoo group: eu-amsat
Date: 2007-12-05 08:14:58 UTC
From: John Hackett
Topic: 1110 Message: 1112

Hello Thomas,
Thank you for your kind words.

No, I have no intention of attempting to contact Emily in her "virtual" world - many Amsat folks have tried - without replies.

Yes, I've known about her whereabouts for a couple of years now but if she doesn't want contact with the real world that's her perogative and I respect that.

Personally, I have enough problems to deal with in "this" life without seeking tranquility in a "pretend" world, Thomas.

Rick Hambly (Amsat president) mailed me and has offered to (try) to help with the log page issue so all may not be lost. Quite a few of the NA members have realised what a resource the AO-7 page is.

I wish we had such a page for every satellite "afloat" and it would be a 'TREMENDOUS' advantage to have a similar page for P3E.

You whom speak German Thomas, you might like to pass that suggestion along to the team with your and my regards.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 5 Dec 2007 01:38:40 +0100
Subject: Re: [eu-amsat] Agree ... and HELP !!!.

John Hackett schrieb:

> Hey Bob,

> That's a great !!! idea ... I wish !!!! I knew how to do it.

>

> Emily, who wrote the program "disappeared" into the "Second Life"

> virtual world over a year ago and has not been heard of since!.

>

Hello John

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has created a "live" around AMSAT and Space, but I don't know her name

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But be cautious, we all want not loss John, LA2QAA, also. ;-)

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1113. Re: [eu-amsat] Agree ... and HELP !!!.

Yahoo group: eu-amsat
Date: 2007-12-05 10:53:27 UTC
From: Thomas Frey
Topic: 1110 Message: 1113

John Hackett schrieb:
>
> I wish we had such a page for every satellite "afloat" and it would be
> a 'TREMENDOUS' advantage to have a similar page for P3E.
>
> You whom speak German Thomas, you might like to pass that suggestion
> along to the team with your and my regards.
>
> 73 John. <la2qaa@...>
There is such a page for almost all satellites: http://oscar.dcarr.org/

With my bad Englisch I will try to be a mediator between AMSAT-DL and
"AMSAT-EU" in this group.

Let first be P3E in orbit, then we can look forward for such a logpage.
>
>
>
>
Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1114. AO-7 log *NOT* correct.

Yahoo group: eu-amsat
Date: 2007-12-06 10:43:17 UTC
From: John Hackett
Topic: 1114 Message: 1114

Please be aware that the N1DID AO-7 log will now no longer show the correct results.

An example ...

4th December orbit 51254 JH3XCU/1 claimed 32 points ... from 915 contacts (no QSO's) to 947 contacts (no QSO's) for a single pass.

One station logged a QSO, claimed the points but logged the transponder as being OFF ... (which it couldn't have been if he made a QSO through it).

Such entries make a mockery of the object of the log.

Also - LA2QAA no longer edits the entries.

73 John. <la2qaa@...>

1115. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-12-06 14:54:52 UTC
From: Dominic Baines
Topic: 1100 Message: 1115

Hi all,

Thanks everyone for the emails and advise about places to look for information..

After reading up a bit more I think the real problem I have is antenna and polarization.... so I will start to try something easier first and try the LEO FM AO-satellites with 2m up and 70cm downlink. I am going to try and build a combined 2m/70cm 3el/7el yagi. I have a SOTA 3el 2m yagi to use as a template.

Rig will be ft817 and I will also be making a duplex and maybe a preamp for 70cm.

Regards,

Dom

I am also advised to try some of the other satellites with CW beacons e.g. LUSAT-OSCAR-19 (LO-19) on 437.1252 +- doppler in USB, it has a very strong CW-beacon. Listen in USB, not in CW. If anyone else has a list of beacon/CW possibles (from UK) then I'd be interested.

Sent from Yahoo! - the World's favourite mail http://uk.mail.yahoo.com

1116. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-12-06 15:11:46 UTC
From: Simon Brown
Topic: 1100 Message: 1116

LO-19 is a simple sat to receive (assuming it's still working in CW beacon mode). You'll have no problem with the FT-817 and a 5/8 vertical. It'll be audible...

Simon Brown, HB9DRV

----- Original Message -----
From: "Dominic Baines" <dombaines@...>
>
> I am also advised to try some of the other satellites with CW beacons e.g.
> LUSAT-OSCAR-19 (LO-19) on 437.1252 +- doppler in USB, it has a very strong
> CW-beacon. Listen in USB, not in CW. If anyone else has a list of
> beacon/CW possibles (from UK) then I'd be interested.
>

1117. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-12-06 16:13:49 UTC
From: Dominic Baines
Topic: 1100 Message: 1117

Thanks Simon.

Dom
ex HB9/M1KTA

----- Original Message ----
From: Simon Brown <simon.brown@...>
To: eu-amsat@yahoogroups.com
Sent: Thursday, 6 December, 2007 3:11:46 PM
Subject: Re: [eu-amsat] Newbie help?

LO-19 is a simple sat to receive (assuming it's still working in CW beacon

mode). You'll have no problem with the FT-817 and a 5/8 vertical. It'll be

audible...

Simon Brown, HB9DRV

----- Original Message -----

From: "Dominic Baines" <dombaines@yahoo. com>

>

> I am also advised to try some of the other satellites with CW beacons e.g.

> LUSAT-OSCAR- 19 (LO-19) on 437.1252 +- doppler in USB, it has a very strong

> CW-beacon. Listen in USB, not in CW. If anyone else has a list of

> beacon/CW possibles (from UK) then I'd be interested.

>

<!--

#ygrp-mkp{
border:1px solid #d8d8d8;font-family:Arial;margin:14px 0px;padding:0px 14px;}
#ygrp-mkp hr{
border:1px solid #d8d8d8;}
#ygrp-mkp #hd{
color:#628c2a;font-size:85%;font-weight:bold;line-height:122%;margin:10px 0px;}
#ygrp-mkp #ads{
margin-bottom:10px;}
#ygrp-mkp .ad{
padding:0 0;}
#ygrp-mkp .ad a{
color:#0000ff;text-decoration:none;}

```
-->

<!--

#ygrp-sponsor #ygrp-lc{
font-family:Arial;}
#ygrp-sponsor #ygrp-lc #hd{
margin:10px 0px;font-weight:bold;font-size:78%;line-height:122%;}
#ygrp-sponsor #ygrp-lc .ad{
margin-bottom:10px;padding:0 0;}
-->

<!--

#ygrp-mlmsg {font-size:13px;font-family:arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg table {font-size:inherit;font:100%;}
#ygrp-mlmsg select, input, textarea {font:99% arial, helvetica, clean, sans-serif;}
#ygrp-mlmsg pre, code {font:115% monospace;}
#ygrp-mlmsg * {line-height:1.22em;}
#ygrp-text{
font-family:Georgia;
}
#ygrp-text p{
margin:0 0 1em 0;}
#ygrp-tpmsgs{
font-family:Arial;
clear:both;}
#ygrp-vitnav{
padding-top:10px;font-family:Verdana;font-size:77%;margin:0;}
#ygrp-vitnav a{
padding:0 1px;}
#ygrp-actbar{
clear:both;margin:25px 0;white-space:nowrap;color:#666;text-align:right;}
#ygrp-actbar .left{
float:left;white-space:nowrap;}
.bld{font-weight:bold;}
#ygrp-grft{
font-family:Verdana;font-size:77%;padding:15px 0;}
#ygrp-ft{
font-family:verdana;font-size:77%;border-top:1px solid #666;
padding:5px 0;
}
#ygrp-mlmsg #logo{
padding-bottom:10px;}

#ygrp-vital{
background-color:#e0ecee;margin-bottom:20px;padding:2px 0 8px 8px;}
#ygrp-vital #vithd{
font-size:77%;font-family:Verdana;font-weight:bold;color:#333;text-transform:uppercase;}
#ygrp-vital ul{
padding:0;margin:2px 0;}
```

```
#ygrp-vital ul li{
list-style-type:none;clear:both;border:1px solid #e0ecee;
}
#ygrp-vital ul li .ct{
font-weight:bold;color:#ff7900;float:right;width:2em;text-align:right;padding-right:.5em;}
#ygrp-vital ul li .cat{
font-weight:bold;}
#ygrp-vital a{
text-decoration:none;}

#ygrp-vital a:hover{
text-decoration:underline;}

#ygrp-sponsor #hd{
color:#999;font-size:77%;}
#ygrp-sponsor #ov{
padding:6px 13px;background-color:#e0ecee;margin-bottom:20px;}
#ygrp-sponsor #ov ul{
padding:0 0 0 8px;margin:0;}
#ygrp-sponsor #ov li{
list-style-type:square;padding:6px 0;font-size:77%;}
#ygrp-sponsor #ov li a{
text-decoration:none;font-size:130%;}
#ygrp-sponsor #nc{
background-color:#eee;margin-bottom:20px;padding:0 8px;}
#ygrp-sponsor .ad{
padding:8px 0;}
#ygrp-sponsor .ad #hd1{
font-family:Arial;font-weight:bold;color:#628c2a;font-size:100%;line-height:122%;}
#ygrp-sponsor .ad a{
text-decoration:none;}
#ygrp-sponsor .ad a:hover{
text-decoration:underline;}
#ygrp-sponsor .ad p{
margin:0;}
o{font-size:0;}
.MsoNormal{
margin:0 0 0 0;}
#ygrp-text tt{
font-size:120%;}
blockquote{margin:0 0 0 4px;}
.replbq{margin:4;}
-->

_____
Sent from Yahoo! - the World's favourite mail http://uk.mail.yahoo.com
```

1118. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-12-06 15:45:50 UTC
From: SV1BSX
Topic: 1100 Message: 1118

Hi Dom & Group,

yes, antenna is very significant for satellites.
However, don't involved with Circular Polarization and Pre-amps.

You can do it great with Linear-polarization, especially now - in your
"first steps".

I believe that the Circular Polarization is too much "comlpicated"
for a newbie without any sifnificant advantage for LEOs Sat, because
the value of circular polarization for LEO satellites is somewhat over
rated.

Circular polarization can provide a 3 db advantage over linear
polarization but that is only true if both transmit and receive antenna
have the same polarization and both are aimed directly at each other.

Although this works extremely well on the HEO "stabilized" Sats, that
almost never
happens on the LEO satellites. On LEOs you need to change the
polarization between RHCP & LHCP for maximum receiving signal.

A smart combination is to mount one antenna at 45 degrees. Thus you
have -3 dB from all polarizations (RHCP, LHCP, Vertical & Horizontal)
but even if weaker the RX signal, is stable enough
(in order to avoid "complicated" antenna systems).

73, Mak SV1BSX

ps: A nice Homebrew ARROW with 4 VHF / 8 UHL El, you can find here:

http://xe1mex.gq.nu/antenas/yagi.html

It is tested and doing excellent job on LEOs.

----- Original Message -----
From: "Dominic Baines" <dombaines@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, December 06, 2007 16:54
Subject: Re: [eu-amsat] Newbie help?

> Hi all,
>
>
>
> Thanks everyone for the emails and advise about places to look for
> information..
>

>
>
> After reading up a bit more I think the real problem I have is antenna and
> polarization.... so I will start to try something easier first and try
> the LEO FM AO-satellites with 2m up and 70cm downlink. I am going to try
> and build a combined 2m/70cm 3el/7el yagi. I have a SOTA 3el 2m yagi to
> use as a template.
>
> Rig will be ft817 and I will also be making a duplex and maybe a preamp
> for 70cm.
>
>
>
> Regards,
>
>
>
> Dom
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071205-2, 12/05/2007
Tested on: 12/6/2007 17:45:55
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1119. Re: [eu-amsat] Newbie help?

Yahoo group: eu-amsat
Date: 2007-12-07 17:56:22 UTC
From: Dominic Baines
Topic: 1100 Message: 1119

Apologies confusion....

The antenna I had in mind was, on the same boom a 3el 2m and a 7el 70cm with the two at 90 degrees to each other.

I have usedcircular polarization with 2.4HGz with some success although contruction is 'fiddly'.

On the LEO pass I adjust the polarisation of the yagi to match best signal reception. I also read that a simple pre-amp on RX improves matters.

73

Dom
M1KTA

v1bsx@...>
To: eu-amsat@yahoogroups.com
Sent: Thursday, 6 December, 2007 3:45:50 PM
Subject: Re: [eu-amsat] Newbie help?

Hi Dom & Group,

yes, antenna is very significant for satellites.
However, don't involved with Circular Polarization and Pre-amps.

You can do it great with Linear-polarization, especially now - in your "first steps".

I believe that the Circular Polarization is too much "comlpicated" for a newbie without any sifnificant advantage for LEOs Sat, because the value of circular polarization for LEO satellites is somewhat over rated.

Circular polarization can provide a 3 db advantage over linear polarization but that is only true if both transmit and receive antenna have the same polarization and both are aimed directly at each other.

Although this works extremely well on the HEO "stabilized" Sats, that almost never
happens on the LEO satellites. On LEOs you need to change the polarization between RHCP & LHCP for maximum receiving signal.

A smart combination is to mount one antenna at 45 degrees. Thus you have -3 dB from all polarizations (RHCP, LHCP, Vertical & Horizontal) but even if weaker the RX signal, is stable enough
(in order to avoid "complicated" antenna systems).

73, Mak SV1BSX

ps: A nice Homebrew ARROW with 4 VHF / 8 UHL El, you can find here:

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It is tested and doing excellent job on LEOs.

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Sent: Thursday, December 06, 2007 16:54
Subject: Re: [eu-amsat] Newbie help?

> Hi all,
>
>
>
> Thanks everyone for the emails and advise about places to look for
> information..
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>
>
> After reading up a bit more I think the real problem I have is antenna and
> polarization.... so I will start to try something easier first and try
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> and build a combined 2m/70cm 3el/7el yagi. I have a SOTA 3el 2m yagi to
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> Regards,
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> Dom
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Tested on: 12/6/2007 17:45:55
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http://www.avast.com

Yahoo! Groups Links

Sent from Yahoo! Mail - a smarter inbox http://uk.mail.yahoo.com

1120. AO-7 DX.

Yahoo group: eu-amsat
Date: 2007-12-08 11:09:38 UTC
From: John Hackett
Topic: 1120 Message: 1120

Hello Al,
Fantastic DX om AO-7 this morning ... LA6KJ no less ...
thereby dispelling the myth that 'Norwegians' don't know what satellites are.

The real reason of course is that Norway is too far north for the current crop of satellites like the ISS and AO-27 so the interest has always be low.

I seriously doubt if there are many NOG's who have heard of AO-51 and VO-52 ... when I mentioned them at the local radio club I just got blank looks ... half of them asked which tubes and sockets these satellites used - the other half claimed that amateur satellites are a complete myth! - instigated by the CIA - like the moon landing (!).

How many Nog stations have you !! worked via satellite ?.

(... and before anyone accuses me of hippocracy, I do try to get them interested and even managed to succeed once - in 1990 - I had a local station in Kristiansund receive himself via RS 11) ... however, 10 wild horses or upon pain of death wouldn't persuade him to speak into the microphone.

73 John. <la2qaa@...>

1121. Re: AO-7 DX.

Yahoo group: eu-amsat
Date: 2007-12-08 12:42:09 UTC
From: ph7pcf
Topic: 1120 Message: 1121

John,

I worked 15 LA's on sat. I think that's even more than the PA's I worked on sat.
So I guess there are more LA's active than you think.

Aldert

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Al,
> Fantastic DX om AO-7 this morning ... LA6KJ no less ...
> thereby dispelling the myth that 'Norwegians' don't know what satellites are.
>
> The real reason of course is that Norway is too far north for the current crop of satellites like the ISS and AO-27 so the interest has always be low.
>
> I seriously doubt if there are many NOG's who have heard of AO-51 and VO-52 ... when I mentioned them at the local radio club I just got blank looks ... half of them asked which tubes and sockets these satellites used - the other half claimed that amateur satellites are a complete myth! - instigated by the CIA - like the moon landing (!).
>
> How many Nog stations have you !! worked via satellite ?.
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> (... and before anyone accuses me of hippocracy, I do try to get them interested and even managed to succeed once - in 1990 - I had a local station in Kristiansund receive himself via RS 11) ... however, 10 wild horses or upon pain of death wouldn't persuade him to speak into the microphone.
>
> 73 John. <la2qaa@...>
>

1122. AO-7 DX. Sked with AA4FL

Yahoo group: eu-amsat
Date: 2007-12-08 12:43:33 UTC
From: ph7pcf
Topic: 1120 Message: 1122

I worked AA4FL this week after having made a sked with him. Jay asked me to pass the message that he's interested in skeds with others. So, if anyone would like to work another # in the US this might be your change. The email adress of Jay can be obtained through QRZ.com

Aldert
PH7PCF

1123. Where've you been !!!.

Yahoo group: eu-amsat
Date: 2007-12-08 12:49:17 UTC
From: John Hackett
Topic: 1123 Message: 1123

Aldert,
Jay e-mailed me a couple of times.

The LA comments were a joke for Al. Maybe I shouldn't have put that bit on the reflector, still, no harm done.

73 John.

1124. Re: [eu-amsat] AO-7 DX.

Yahoo group: eu-amsat
Date: 2007-12-08 12:58:31 UTC
From: Gennadi Klevtsov
Topic: 1120 Message: 1124

Hello John,
great information regarding "Fantastic DX"!

I worked with 13 different LA station via satellites.
Sure, they are rare enough, but I did not mention, LA are DX.

1. LA2QAA 6 times. FO-20, FO-29, AO-7, VO-52.
2. LA7SP 1 time. AO-10
3. LA5QIA. 1 time, FO-29
4. LA1WH 2 times. UO-14, AO-51.
5. LA9GHA 1 time, UO-14
6. LA1K 3 times, UO-14, FO-29
7. LA0FX 1 time, FO-29
8. LA6KJ 2 times, AO-51, SO-50.
9. LC5QBT 1 time, UO-14
10.LC3WAT 1 time, UO-14
11.LB9ME 3 times, AO-7, VO-52, AO-51
12.LC4IBT 1 time, AO-10
13.LC1UCT 1 time, UO-14

I never (or VERY seldom!) working with the same station more, than 1 time
via the same satellite.
I believe I heard same stations many times, but did not call themes.
So, LA-stations not are so DXes, as the Baltic stations (LY, YL, ES). Hi-Hi!!
To All, mentioned above, the QSL-cards were sent via the buro.
Whom I've got back?
Only LA1K, LC3UCT, LC3WAT, LB9ME and LA7SP...

73! Gena - ES1RF/ES3RF

You wrote Saturday, December 08, 2007, 13:09:38:

>
Hello Al,
Fantastic DX om AO-7 this morning ... LA6KJ no less ...
thereby dispelling the myth that 'Norwegians' don't know what satellites are.

The real reason of course is that Norway is too far north for the current crop of
satellites like the ISS and AO-27 so the interest has always be low.

I seriously doubt if there are many NOG's who have heard of AO-51 and VO-52 ... when I
mentioned them at the local radio club I just got blank looks ... half of them asked which
tubes and sockets these satellites used - the other half claimed that amateur satellites
are a complete myth! - instigated by the CIA - like the moon landing (!).

How many Nog stations have you !! worked via satellite ?.

(... and before anyone accuses me of hippocracy, I do try to get them interested and even managed to succeed once - in 1990 - I had a local station in Kristiansund receive himself via RS 11) ... however, 10 wild horses or upon pain of death wouldn't persuade him to speak into the microphone.

73 John. <la2qaa@...>

1125. RE: [eu-amsat] AO-7 DX.

Yahoo group: eu-amsat
Date: 2007-12-08 14:39:14 UTC
From: John Hackett
Topic: 1120 Message: 1125

Gene,
My LA comments were an "in-house" joke.

To be fair ... there are some very experienced LØ amateurs on all modes, including MS and EME.

73 John.

To: eu-amsat@yahoogroups.com
From: genek@...
Date: Sat, 8 Dec 2007 14:58:31 +0200
Subject: Re: [eu-amsat] AO-7 DX.

Hello John,

great information regarding "Fantastic DX"!

I worked with 13 different LA station via satellites.

Sure, they are rare enough, but I did not mention, LA are DX.

1. LA2QAA 6 times. FO-20, FO-29, AO-7, VO-52.

2. LA7SP 1 time. AO-10

3. LA5QIA. 1 time, FO-29

4. LA1WH 2 times. UO-14, AO-51.

5. LA9GHA 1 time, UO-14

6. LA1K 3 times, UO-14, FO-29

7. LA0FX 1 time, FO-29

8. LA6KJ 2 times, AO-51, SO-50.

9. LC5QBT 1 time, UO-14

10.LC3WAT 1 time, UO-14

11.LB9ME 3 times, AO-7, VO-52, AO-51

12.LC4IBT 1 time, AO-10

13.LC1UCT 1 time, UO-14

I never (or VERY seldom!) working with the same station more, than 1 time

via the same satellite.

I believe I heard same stations many times, but did not call themes.

So, LA-stations not are so DXes, as the Baltic stations (LY, YL, ES). Hi-Hi!!

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73 John. <la2qaa@...>

1126. Re: [eu-amsat] Where've you been !!!.

Yahoo group: eu-amsat
Date: 2007-12-08 14:27:24 UTC
From: SV1BSX
Topic: 1123 Message: 1126

Oupsss!!!!!!!

Aldert is BACK again !

I will put a flag on my mast, together with my antennas, in the highest point !

Have a nice weekend

73 de Mak, SV1BSX

ps: BTW my friends, my country Greece, is it a DX or not for Satellites?

I'm just curius...

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Saturday, December 08, 2007 14:49
Subject: [eu-amsat] Where've you been !!!.

Aldert,
Jay e-mailed me a couple of times.

The LA comments were a joke for Al. Maybe I shouldn't have put that bit on the reflector, still, no harm done.

73 John.

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 071205-2, 12/05/2007
Tested on: 12/8/2007 15:46:19
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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071205-2, 12/05/2007
Tested on: 12/8/2007 16:27:29
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1127. Re: [eu-amsat] Where've you been !!!.

Yahoo group: eu-amsat
Date: 2007-12-08 16:53:51 UTC
From: Thomas Frey
Topic: 1123 Message: 1127

SV1BSX schrieb:
>
> ps: BTW my friends, my country Greece, is it a DX or not for Satellites?
>
> I'm just curius...
>
Hello Mak

Your country is a DX-country, my country is a DX-country, every country
is a DX-country. This was the first thing I learned about making QSOs
via satellite in the beginning of my satellite operators, AO-10, days.
Ergo: ALL QSOs via satellite are DX-QSOs !

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1128. JA bandplan and stations on AO-7

Yahoo group: eu-amsat
Date: 2007-12-08 20:03:36 UTC
From: mika.siira
Topic: 1128 Message: 1128

Hello folks,

Today at my AOS of orbit #51306 I heard JA0BBW calling CQ (I spotted this to DX cluster as RW3XL also did). I have worked this station and another JA station earlier this year on AO-7 (mode B), and as I have been told, this segment of the UHF band of the AO-7 uplink is not allowed in Japan for satellite communication.
Most of the JA-stations on AO-7 seems to make contacts on mode A, but as you see from the log there is also some QSO's on mode B. Is this because those few stations don't know their national rules or because they just don't want to follow those rules?

Another question regarding to the issue above is that is the situation the same in HL/BY/VR-lands too? I have never heard stations or seen log entries from these lands on AO-7.

Yours,

Mika, OH8MBN

1129. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2007-12-08 21:04:16 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 1129

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /IARU/JA-Bandplan.doc
Uploaded by : sv1bsx <sv1bsx@...>
Description : Japanese BandPlan

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/IARU/JA-Bandplan.doc

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

sv1bsx <sv1bsx@...>

1130. Re: [eu-amsat] JA bandplan and stations on AO-7

Yahoo group: eu-amsat
Date: 2007-12-08 22:56:36 UTC
From: Thomas Frey
Topic: 1128 Message: 1130

mika.siira schrieb:
> Hello folks,
>
Hello Mika and group and thanks to Mak for the upload
> Today at my AOS of orbit #51306 I heard JA0BBW calling CQ (I spotted
> this to DX cluster as RW3XL also did). I have worked this station and
> another JA station earlier this year on AO-7 (mode B), and as I have
> been told, this segment of the UHF band of the AO-7 uplink is not
> allowed in Japan for satellite communication.
> Most of the JA-stations on AO-7 seems to make contacts on mode A, but
> as you see from the log there is also some QSO's on mode B. Is this
> because those few stations don't know their national rules or because
> they just don't want to follow those rules?
>
> Another question regarding to the issue above is that is the situation
> the same in HL/BY/VR-lands too? I have never heard stations or seen
> log entries from these lands on AO-7.
>
> Yours,
>
> Mika, OH8MBN
>
>
As you all know, the worldwide range for satellite ops on 70cm goes from
435 to 438 MHz. But AO-7 was built before this IARU-regulation was made.
Today, officially the Mode-B uplink on 432 MHz is not allowed in all 3
IARU-regions. But, I can only speak for region 1, you are allowed to morse
on 432 MHz. If your morse transmission can be heard via the AO-7
B-transponder,
well..., why not ? I don't know, if it is accepted, if you speak on the
wrong sideband in the DX phone part.

I also don't know what "Wide Phone Morse Image" means in Japanese bandplan.
This is probably why the Japanese OMs don't works on Mode-B.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1131. Re: JA bandplan and stations on AO-7

Yahoo group: eu-amsat
Date: 2007-12-08 23:28:57 UTC
From: mika.siira
Topic: 1128 Message: 1131

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> mika.siira schrieb:
> > Hello folks,
> >
> Hello Mika and group and thanks to Mak for the upload
> > Today at my AOS of orbit #51306 I heard JA0BBW calling CQ (I spotted
> > this to DX cluster as RW3XL also did). I have worked this station and
> > another JA station earlier this year on AO-7 (mode B), and as I have
> > been told, this segment of the UHF band of the AO-7 uplink is not
> > allowed in Japan for satellite communication.
> > Most of the JA-stations on AO-7 seems to make contacts on mode A, but
> > as you see from the log there is also some QSO's on mode B. Is this
> > because those few stations don't know their national rules or because
> > they just don't want to follow those rules?
> >
> > Another question regarding to the issue above is that is the situation
> > the same in HL/BY/VR-lands too? I have never heard stations or seen
> > log entries from these lands on AO-7.
> >
> > Yours,
> >
> > Mika, OH8MBN
> >
> >
> As you all know, the worldwide range for satellite ops on 70cm goes from
> 435 to 438 MHz. But AO-7 was built before this IARU-regulation was made.
> Today, officially the Mode-B uplink on 432 MHz is not allowed in all 3
> IARU-regions. But, I can only speak for region 1, you are allowed to
morse
> on 432 MHz. If your morse transmission can be heard via the AO-7
> B-transponder,
> well..., why not ? I don't know, if it is accepted, if you speak on the
> wrong sideband in the DX phone part.
>
> I also don't know what "Wide Phone Morse Image" means in Japanese
bandplan.
> This is probably why the Japanese OMs don't works on Mode-B.
>

Hello Thomas & group,

I am aware about Japanese bandplan. Actually I asked this AO-7 issue
from JARL direct and I got the answer that japanese hams are not
allowed to use the UHF segment of AO-7 uplink for sat communication,

but I did't get the reason for that (I asked that also...).
According to the japanese bandplan, if "phone,morse" are allowed at that segment, should the AO-7 QSO's be also allowed? When you transmit your signal, it will not "choose just the terrestial way"...
I know there are much more hams using VHF/UHF frequencies in Japan than in Europe (and especially in Scandinavia) and if the operation on AO-7 as "just transmitting" on UHF disturbes terrestial contacts is the reason, then I uderstand the restriction completely.

Mika, OH8MBN

1132. Re: [eu-amsat] JA bandplan and stations on AO-7

Yahoo group: eu-amsat
Date: 2007-12-08 21:14:10 UTC
From: SV1BSX
Topic: 1128 Message: 1132

Hi Mika & Group,

I was looking for JA-Bandplan and I found a DOC from JARL.

I can't find something unusual on UHF Bandplan of JA-land. 435-438 is for
Satellite service and
the vexed "subzone" (+- 432.150 MHz) it's exactly like my country (and the
most European
countries, I believe) : Phone, CW, Image.

I think the JAp's friends are OK into the game of Mode-B, without any
foul-play.

Just my 2 cents worth....

73, Mak SV1BSX

----- Original Message -----
From: "mika.siira" <mika.siira@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, December 08, 2007 22:03
Subject: [eu-amsat] JA bandplan and stations on AO-7

> Hello folks,
>
> Today at my AOS of orbit #51306 I heard JA0BBW calling CQ (I spotted
> this to DX cluster as RW3XL also did). I have worked this station and
> another JA station earlier this year on AO-7 (mode B), and as I have
> been told, this segment of the UHF band of the AO-7 uplink is not
> allowed in Japan for satellite communication.
> Most of the JA-stations on AO-7 seems to make contacts on mode A, but
> as you see from the log there is also some QSO's on mode B. Is this
> because those few stations don't know their national rules or because
> they just don't want to follow those rules?
>
> Another question regarding to the issue above is that is the situation
> the same in HL/BY/VR-lands too? I have never heard stations or seen
> log entries from these lands on AO-7.
>
> Yours,
>
> Mika, OH8MBN
>
>
>
>
> Yahoo! Groups Links

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> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 071205-2, 12/05/2007
> Tested on: 12/8/2007 22:26:25
> avast! - copyright (c) 1988-2007 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071205-2, 12/05/2007
Tested on: 12/8/2007 23:14:15
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1133. RE: [eu-amsat] Where've you been !!!.

Yahoo group: eu-amsat
Date: 2007-12-09 08:23:59 UTC
From: John Hackett
Topic: 1123 Message: 1133

Hi Mak,
Now there's !!! an interesting one ... "I'll put my antennas in the highest position".

Being an old (old & senile) signaller I can of course use semaphore (flags) to transmit messages as well as CW but your idea of signalling something with aerials at 90 degrees is excellent!. I'll remember that.

Nit-picking department.

Insects have "antennas" ... (antennae actually) ... those elements we use to transmit and receive radio waves are called aerials.
The Americans christened them antennas - but of course "they" can't speak ENGLISH anyway!.
... he he he.

Relax! Mak, it's 'tongue-in-cheek' (joking) . I'm just being obnoxious (holier-than-thou).
A bit of fun nothing more.

Seriously, in actual fact, these insect antennae do actually receive "information" so they could also correctly be called "aerials".

An interesting frequency-to-length formula though ... I've never seen an ant with a parabol.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 8 Dec 2007 16:27:24 +0200
Subject: Re: [eu-amsat] Where've you been !!!.

Oupsss!!!!!!!

Aldert is BACK again !

I will put a flag on my mast, together with my
antennas, in the highest point !

Have a nice weekend

73 de Mak, SV1BSX

ps: BTW my friends, my country Greece, is it a DX or not for Satellites?

I'm just curius...

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Saturday, December 08, 2007

14:49
Subject: [eu-amsat] Where've you been
!!!.

Aldert,

Jay e-mailed me a
couple of times.

The LA comments were a joke for Al. Maybe I shouldn't
have put that bit on the reflector, still, no harm done.

73
John.

avast!
Antivirus: Inbound message clean.
Virus Database (VPS): 071205-2,
12/05/2007
Tested on: 12/8/2007 15:46:19
avast! -
copyright (c) 1988-2007 ALWIL Software.

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071205-2, 12/05/2007
Tested on: 12/8/2007 16:27:29
avast! - copyright (c) 1988-2007 ALWIL Software.

1134. Invitation.

Yahoo group: eu-amsat
Date: 2007-12-09 17:18:24 UTC
From: John Hackett
Topic: 1134 Message: 1134

Hello All,
I have extended a personal invitation to RW3XL & friends to join EU-Amsat and have informed them they are heartily welcome.

I believe it is in our common interest to have a good working relationship with Russian 'satellite' amateurs.

73 John. <la2qaa@...>

1135. Welcome Igor.

Yahoo group: eu-amsat
Date: 2007-12-10 10:43:57 UTC
From: John Hackett
Topic: 1135 Message: 1135

On behalf of EU-Amsat I would like to welcome RW3XL Igor to the group.

Welcome Igor.

73 John. <la2qaa@...>

1136. Fwd: [Meteor-Scatter] First(?) 144-MHz-QSO via Reflexion on ISS

Yahoo group: eu-amsat
Date: 2007-12-10 16:57:14 UTC
From: Gennadi Klevtsov
Topic: 1136 Message: 1136
Attachments: 1 described; binary payloads are missing from this source WARC

Hello group,
You can see now the most modern way to use
the satellites. Even, if they are completely dead...
Many comment more regarding this testing in the below mentionet
reflectors.

73! Gene-ES1RF/ES3RF

This is a forwarded message
From: DF2ZC <df2zc@...>
To: "'Moon-Net'" <moon-net@...>, <moon@...>, "'MS-Net'" <meteor-scatter@...>
Date: Sunday, December 9, 2007, 6:58:19 PM
Subject: [Meteor-Scatter] First(?) 144-MHz-QSO via Reflexion on ISS

===8<==========Original message text==========
Hello All,

Triggered by Peter SM2CEW's tries to complete a QSO by using the ISS as a
reflector Frank DH7FB and I decided to try that as well. From Peter's
experience (and also Frank's when SWLing Peter's tries) we believed it would
be worthwile considering BPSK63 as this would enable us to exchange all
information within few seconds only (using the EME report and QSO rules).

However with the first tries on 8 December we quickly had to realise the
amazingly quickly changing large doppler makes use of this mode impossible
and we returned back to good old CW since this is also copyable at such a
situation when you are not 100% tuned on the signal. The second try today
Sunday 9 December at ISS orbit 51845 starting with a common window at 1626Z
we copied signals at elevations of > 20 degrees and within a minute
exchanged all data. Signal reports were about S3...S5 (DF2ZC running only
300 watts out). It was a tough task to follow the quick doppler changes and
also adjust elevation and azimuth rotators. Two hands is at least one too
few...

That was a thrill! And now we are celebrating...

And we will try more QSOs the coming days.

btw http://www.n2yo.com/ gives a nice live google earth graphics display of
ISS and other satellites.

vy 73 Bernd DF2ZC (JO30RN)
www.df2zc.de

---
144 MHz EME NewsLetter:

www.df2zc.de/newsletter

144 MHz DXCC #21
144 MHz WAC

Kenwood TS 2000
2 x GU74b by LZ2US
4 x 2M18XXX 21 dBd full elevation

_____
Meteor-Scatter mailing list
Meteor-Scatter@...
http://mailman.qth.net/mailman/listinfo/meteor-scatter
===8<==========End of original message text==========

--
Best regards,
Gennadi mailto:genek@...

1137. Re:144-MHz-QSO via Reflexion on ISS

Yahoo group: eu-amsat
Date: 2007-12-11 01:33:25 UTC
From: SV1BSX
Topic: 1137 Message: 1137

Hi Gennadi & Group,

very interesting indeed!

However, I can't see details about antennas (oups! sorry John, AERIALS!).
Just the used power (300 W), but what 300? Output Power or ERP?

Gennadi, do you know something about the aerials which have used on this
experiment?

If we talking for EME-type aerials, probably is something very difficult
for the majority of amateurs which work with the satellites.

About your comment "the most modern way to use the satellites" (he he !)
don't forget the ISS it's like a ...football playground, so the reflection
surface
of it is big enough !

Thanks for FWD.

73, Mak SV1BSX

----- Original Message -----
From: "Gennadi Klevtsov" <genek@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, December 10, 2007 18:57
Subject: [eu-amsat] Fwd: [Meteor-Scatter] First(?) 144-MHz-QSO via Reflexion
on ISS

> Hello group,
> You can see now the most modern way to use
> the satellites. Even, if they are completely dead...
> Many comment more regarding this testing in the below mentionet
> reflectors.
>
> 73! Gene-ES1RF/ES3RF
>
> This is a forwarded message
> From: DF2ZC <df2zc@...>
> To: "'Moon-Net'" <moon-net@...>, <moon@...>,
> "'MS-Net'" <meteor-scatter@...>
> Date: Sunday, December 9, 2007, 6:58:19 PM
> Subject: [Meteor-Scatter] First(?) 144-MHz-QSO via Reflexion on ISS
>
> ===8<==========Original message text==========
> Hello All,
>

> Triggered by Peter SM2CEW's tries to complete a QSO by using the ISS as a
> reflector Frank DH7FB and I decided to try that as well. From Peter's
> experience (and also Frank's when SWLing Peter's tries) we believed it
> would
> be worthwile considering BPSK63 as this would enable us to exchange all
> information within few seconds only (using the EME report and QSO rules).
>
> However with the first tries on 8 December we quickly had to realise the
> amazingly quickly changing large doppler makes use of this mode impossible
> and we returned back to good old CW since this is also copyable at such a
> situation when you are not 100% tuned on the signal. The second try today
> Sunday 9 December at ISS orbit 51845 starting with a common window at
> 1626Z
> we copied signals at elevations of > 20 degrees and within a minute
> exchanged all data. Signal reports were about S3...S5 (DF2ZC running only
> 300 watts out). It was a tough task to follow the quick doppler changes
> and
> also adjust elevation and azimuth rotators. Two hands is at least one too
> few...
>
> That was a thrill! And now we are celebrating...
>
> And we will try more QSOs the coming days.
>
> btw http://www.n2yo.com/ gives a nice live google earth graphics display
> of
> ISS and other satellites.
>
>
> vy 73 Bernd DF2ZC (JO30RN)
> www.df2zc.de
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071210-0, 12/10/2007
Tested on: 12/11/2007 03:33:30
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1138. antenna aerials.

Yahoo group: eu-amsat
Date: 2007-12-11 09:14:33 UTC
From: John Hackett
Topic: 1138 Message: 1138

Nice! one Mak,
He he ... just want to make everyone who doesn't have English as the mother tongue aware of the fact that "antenna" is perfectly acceptable - I was just "joshing" our American cousins - Mak of course knows this but maybe not everybody appreciates the wierd LA2QAA sense of humour.

For those that *Don't* have English as the mother tongue - just so you know, you have my respect!. I know what it is to learn another language. 20 of my 30 + years here in Norway were spent hearing ...
Yes, but you still sound English" ... so well done Gentlemen ...
(the multi-linquists) ... I applaud you.

73 John. <la2qaa@...>

1139. Different propagation modes.

Yahoo group: eu-amsat
Date: 2007-12-11 15:41:47 UTC
From: John Hackett
Topic: 1139 Message: 1139

Mak and Group,
It's *NOT* necessary with an EME array or 'Radio Moscow' power to work interesting propagation modes at VHF and UHF.

LA4XGA lives on the Island here and we're about 1.5 kilometers from Kristiansund airport, Geir uses the aeroplanes taking off and landing as passive reflectors for "MS" meteor scatter" type QSO's and has had many contacts with German stations using this mode. He uses 200 watts to a homebrew 17 element yagi on 2M.

Here on the Island we have a *LOT* of Aurora (Northern Lights) to use as a passive reflector. A lot of the QSO's I used to have on this mode was 5 watts to a pair of 6 el: 2m yagis.

Personally, I use the mountains as passive reflectors. Every Stateside LEO satellite QSO I've had from my present QTH in the last 5 years has been by knife-edge propagation on 70cm. This is because there is a *LARGE* mountain right in front of my nose ... blocking my view towards North and South America.

My only clear piece of sky is towards the north Pole but judging by the QSO count in the AO-7 log I seem to do OK, particularly since I usually only operate 1 pass per day.

I also used 'Freikollen' (a local mountain) as a passive reflector with a QSO with Aldert PH7PCF on AO-7 with an ERP of 25 watts.
(my maximum power output)

IT IS NOT NECESSARY WITH A LOT OF POWER ON SATELLITES.

It is vain to do with more that which can be done with less

William Of Occam.

73 John. <la2qaa@...>

1140. Re: [eu-amsat] Different propagation modes.

Yahoo group: eu-amsat
Date: 2007-12-11 20:30:03 UTC
From: Gennadi Klevtsov
Topic: 1139 Message: 1140

Hi John and the GROUP,

Sure, it is NO necessary A LOT OF POWER, when you using satellite, like a
active
transponder (or FM repeater).
But SM2CEW used in his experiments the ISS, like a PASSIVE reflector.
Which is far away from him.
I think, all of us did used a mounting and buldings, as a reflector.
I know, that SM2CEW has a 6 x 18 ele. yagi and DH7FB has 4 x 12 ele yagi.

Some kinds of propogation NEEDS a very good ERP, because
"Life is too short for QRP"-(Not my words!)...He-he!

But some times can happend fantastic things.
01.06.2006 was E-sporadic opening in 144 MHz.
I worked with YU1MS (QRB 1269 km). He used ONLY 1.5 watt output
and indoor loop antenna!!! This article in a "Radio Amateur" magazin.

My personal "achievements" are 100 mW into rubber antenna wia UO-14
25W output into 4x9 ele. yagi (many QSOs via AURORA) and 25W output into
4x18 ele. yagi in Meteor scatter with DL8II.
But this all was just for fun...

73! Gena - ES1RF

On Tue, 11 Dec 2007 17:41:47 +0200, John Hackett
<archie.hackett@...> wrote:

>
> Mak and Group,
> It's *NOT* necessary with an EME array or 'Radio
> Moscow' power to work interesting propagation modes at VHF and UHF.
>
> .....
.....
>
> IT IS NOT NECESSARY WITH A LOT OF POWER ON SATELLITES.
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> It is vain to do with more that which can be done with less
>
> William Of Occam.
>
> 73 John. <la2qaa@...>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1141. Re: [amsat-bb] Re: Putting Thr Cart Befor The Horse

Yahoo group: eu-amsat
Date: 2007-12-11 21:05:08 UTC
From: Luc Leblanc
Topic: 1141 Message: 1141

On 11 Dec 2007 at 11:49, Dave Guimont wrote:

>
> In the interim funds have been spent, I am sure for, dozens of other
> projects...

>
> I seems as tho the politicians in AMSAT have a different agenda.
>
> The OSCAR 1 GROUP (Project Oscar) did it with no politics and
> funding, and thanks to
> Robert Turlington, G8ATE, we will be celebrating the launch of GB
> ZERO OSCAR ONE (GB0O1) on 12 to 16 December. I haven't seen much
> AMSAT-NA of that event either. And it would cost NOTHING!!
>
> Looks as tho the goal is to spend money??? A profit motive lurking somehwere??
>
> Of course money, to do things, is necessary today. but is seems to me:
>
> THE CART BEFORE THE HORSE WILL COST EVEN MORE
>
>

Mr Hambly is probably the one who will killed AMSAT-NA as he is the lead
politician...

He does not support any opinions who differs from his, He censored any
commenting who makes 's AMSAT-NA looking bad even if it is the plain truth,
He's playing with the AMSAT membership money at will. To finally never obey by
this faked membership survey where members express their needs regarding
amateur satellite.

AMSAT-NA is a joke run by a bunch of jokers who are driving AMSAT-NA affairs
only focused on "target of opportunity"?

I am not surprised that he don't put his letter on AMSAT-BB!!! fearing the
membership reaction as usual he play in the back of the AMSAT-NA MEMBERS AND
THE INTERNATIONAL AMATEUR COMMUNITY AGAINST THEIR WILL.

Poor AMSAT-NA members who generally merits much more than this...

Drive your money where a real AMSAT group remains focused on their target P3E
and let them go by their Mars P5 project even if they still feel it is a
reachable target or not after P3E launch and completed mission.

"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1142. Too short?.

Yahoo group: eu-amsat
Date: 2007-12-12 01:25:17 UTC
From: John Hackett
Topic: 1142 Message: 1142
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Gene and group,
Nah!, life isn't too short for QRP Gene ... yes, I know !!! you didn't mean it literally ... I'm just 'boasting' here - he he
The attached pic illustrates what can be done with QRP ... daily !!!, (not 'one-off') QSO's.

Mind you, I do admit to using an aerial (sorry Mak, ANTENNA) as opposed to a piece of wet string or a rusty 6 inch nail ... well if that American needed an 80 watt BRICK for AO-7 he *MUST* have been using a wet shoelace for an aerial.

73 John. <la2qaa@...>

1143. Re: [eu-amsat] Different propagation modes.

Yahoo group: eu-amsat
Date: 2007-12-12 08:24:16 UTC
From: pcalvi@bluewin.ch
Topic: 1139 Message: 1143

Dear all,

very, very interesting topic! I have done quite some airplane scatter on 2 m myself (100 w to 9 el) and I wonder how low can you really go in terms of ERP to effectively bounce signals off the ISS. Next spring, with my new array up, I'll run some tests.

Only partially related to this are the very positive experiences I've had in recent weeks with VO52 and AO7 with a big wheel for the uplink and an HF beam for the 2m downlink. The beam is a miniquad, which happens to resonate (or at least show low swr...) on 2 m as well. Signals from HAMSAT can be as strong as s5 (with 35 meters of RG213...). This - again - shows how the birds are within reach of ANY station!

73 Piero HB9DSU

----Message d'origine----
De: genek@hot.ee
Date: 11.12.2007 21:30
À: <eu-amsat@yahoogroups.com>
Objet: Re: [eu-amsat] Different propagation modes.

Hi John and the GROUP,

Sure, it is NO necessary A LOT OF POWER, when you using satellite, like a
active
transponder (or FM repeater).
But SM2CEW used in his experiments the ISS, like a PASSIVE reflector.
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into
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> It is vain to do with more that which can be done with less
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> William Of Occam.
>
> 73 John. <la2qaa@...>

--
Using Opera's revolutionary e-mail client: http://www.opera.
com/mail/

Yahoo! Groups Links

1144. FW: Correcting the AO-7 log

Yahoo group: eu-amsat
Date: 2007-12-12 18:58:15 UTC
From: John Hackett
Topic: 1144 Message: 1144

From: la2qaa@...
To: archie.hackett@...
Subject: Correcting the AO-7 log
Date: Wed, 12 Dec 2007 19:53:16 +0100

Hello Joe,

Apparently, Emily appears to have abandoned the "real" world and
chooses to stay in the "virtual" world in SECOND LIFE.

(Her perogative!).

Consequently,
She doesn't answer her mail so I didn't get the key I requested - which
is a pity because the AO-7 log is already in quite a state of disarray
- (which I warned about).

You'd think Emily would be interested
in keeping the log "tidy" because a lot of people have mentioned what a
useful resource it is.

However Joe, all is not completely lost ... each station can edit their OWN !!! entries ...
(but no-one else's).

I
put a message on both reflectors about this but as you can see from the
log, several people just ignored it completely. It rather amazing that
the next time they log on they don't see and correct their own mistakes
- whether it's laziness or just being half asleep is anybody's guess.

To
edit your own entry - just click on the hourglass at the left and a new
window pops up ... edit it then delete the original "wrong" entry.

You can delete YOUR OWN entries - but nobody else's.

I *WISH* Emily would reply so that I can start cleaning up the errors.

Too
many accumulative errors will soon have the data being "off" by a mile
... it's in everybody's interest to be dilligent when entering data in
the log - and correcting any mistakes made ... they are after all quite
obvious !!! with blank lines etc.

I just can't be bothered to
e-mail all those that make mistakes and don't bother to correct them. I
used to but I've given stopped handing out daipers.

I agree absolutely with your FM comments - you know my thoughts on that subject Joe.

I batted this to both reflectorsd on the offchance that those who have made mistakes might correct their own entries.

(Aye! ... and pigs might fly.....LA2QAA)

Have a nice day Joe mate.

73 John. <la2qaa@...>
.....
....

> From: k3szh@...
> Date: Tue, 11 Dec 2007 23:31:57 +0000
> To: la2qaa@...
> Subject: AO7 Lo
>
> Hello John
> Would you be kind enough to correct my mistake above my >posting. I hope you are doing well.
> 73
> Joe

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1145. Fw: AO-7 2000 QSO.

Yahoo group: eu-amsat
Date: 2007-12-12 23:18:07 UTC
From: SV1BSX
Topic: 1145 Message: 1145

```
----- Original Message -----
From: "TERRY BROMLEY" <terry.bromley@...>

Subject: AO-7 2000 QSO.

UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
WELL DONE IGOR MY FRIEND.

73 TERRY G1WPR.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071210-0, 12/10/2007
Tested on: 12/13/2007 01:19:51
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com
```

1146. Re: Correcting the AO-7 log

Yahoo group: eu-amsat
Date: 2007-12-13 01:22:17 UTC
From: SV1BSX
Topic: 1146 Message: 1146

John & Group

several operators they have reported that, the AO-7 LOG does not accept always corrections.

So, in order to be able to correct a previous entry, it's necessary to "check-in" the "REMEMBER ME" check-point .

This must be done by pressing the "NEW CONTACT" button, where a new page appears the field with CALLSIGN, LOCATOR etc.

Here is the "REMEMBER ME" check-point (right-down corner of page).

So, please write carefully your Callsign, your LOCator etc. and then "check" the REMEMBER ME.

Add also your new contacts and push "SUBMIT" (and "CONFIRM" after the SUBMIT).

After this procedure, the LOG-page and your PC is in co-operation through the

"Cookies".

Do not try to correct (edit) your previous records at this time.

Reboot your PC and try to connect again with AO-7 Log. If now are all OK, by

pressing the "NEW CONTACT" button, your CALLSIGN (& your LOCator) it

should be already appeared on the field.

That means the LOG remembered you, so you are OK 100%.

ONLY NOW you can edit your previous entries by using the "Magnify-Glass" on the main

page. (AO-7 logbook).

Keep in mind also, in order to be able to work properly the "LOG-Correction", the "Cookies" should be always accepted from your PC.

That is absolutely necessary!

Also any program which prevents the "Pop-Up" windows (like Ad-Aware etc) must be disabled (the "Correction-field" uses "Pop-Up" window).

Hope this helps.

73 de Mak, SV1BSX
----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Wednesday, December 12, 2007 20:58

Subject: [eu-amsat] FW: Correcting the AO-7 log

From: la2qaa@...
To: archie.hackett@hotmail.com
Subject: Correcting the AO-7 log
Date: Wed, 12 Dec 2007 19:53:16 +0100

Hello Joe,
Apparently, Emily appears to have abandoned the "real" world and chooses to stay in the "virtual" world in SECOND LIFE.

(Her perogative!).

Consequently, She doesn't answer her mail so I didn't get the key I requested - which is a pity because the AO-7 log is already in quite a state of disarray - (which I warned about).

You'd think Emily would be interested in keeping the log "tidy" because a lot of people have mentioned what a useful resource it is.

However Joe, all is not completely lost ... each station can edit their OWN !!! entries ... (but no-one else's).

I put a message on both reflectors about this but as you can see from the log, several people just ignored it completely. It rather amazing that the next time they log on they don't see and correct their own mistakes - whether it's laziness or just being half asleep is anybody's guess.

To edit your own entry - just click on the hourglass at the left and a new window pops up ... edit it then delete the original "wrong" entry.

You can delete YOUR OWN entries - but nobody else's.

I *WISH* Emily would reply so that I can start cleaning up the errors.

Too many accumulative errors will soon have the data being "off" by a mile ... it's in everybody's interest to be dilligent when entering data in the log - and correcting any mistakes made ... they are after all quite obvious !!! with blank lines etc.

I just can't be bothered to e-mail all those that make mistakes and don't bother to correct them. I used to but I've given stopped handing out daipers.

I agree absolutely with your FM comments - you know my thoughts on that subject Joe.

I batted this to both reflectorsd on the offchance that those who have made mistakes might correct their own entries.

(Aye! ... and pigs might fly.....LA2QAA)

Have a nice day Joe mate.

73 John. <la2qaa@...>
.....

> From: k3szh@...
> Date: Tue, 11 Dec 2007 23:31:57 +0000
> To: la2qaa@...
> Subject: AO7 Lo
>
> Hello John
> Would you be kind enough to correct my mistake above my >posting. I hope you are doing well.
> 73
> Joe

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c.. Legal
a.. Help Central
b.. Account
c.. Feedback

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---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 071210-0, 12/10/2007
Tested on: 12/13/2007 00:48:06
avast! - copyright (c) 1988-2007 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071210-0, 12/10/2007
Tested on: 12/13/2007 03:22:22
avast! - copyright (c) 1988-2007 ALWIL Software.
http://www.avast.com

1147. Re: [eu-amsat] Fw: AO-7 2000 QSO.

Yahoo group: eu-amsat
Date: 2007-12-13 08:27:47 UTC
From: Gennadi Klevtsov
Topic: 1145 Message: 1147

Hello group,

2000 QSO just via AO-7, this "old bird"....
Hm-m...
How to find so many "uers" of AO-7?
May be he worked via AO-7 during all those 30+ years, even, when
bird was "dead"?
Who has more via AO-7?
May be it was his QSO "number 2000 via satellites" in his logbook?

Strange, that I meet Igor firstly on satellites only in 2005 (VO-52)
and never before...
In my lodbook only 3843 QSO via satellites (RS, AO-7, AO-10 e.t.c...)
Very poor result...

73! Gene ES1RF/ES3RF

On Thu, 13 Dec 2007 01:18:07 +0200, SV1BSX <sv1bsx@...> wrote:

> ----- Original Message -----
> From: "TERRY BROMLEY" <terry.bromley@...>
>
> Subject: AO-7 2000 QSO.
> UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
> WELL DONE IGOR MY FRIEND.
>
> 73 TERRY G1WPR.
>
>
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1148. RE: [eu-amsat] Fw: AO-7 2000 QSO.

Yahoo group: eu-amsat
Date: 2007-12-13 09:02:43 UTC
From: John Hackett
Topic: 1145 Message: 1148

Gene,
Here's an explanation.

Some days UA9CS Igor works as many as 7 stations on a pass.
Each of these stations enters his callsign -
5 or more passes a day gives a *LOT* of points.

Now maybe people can understand what I was rambling on about these last months re: "points" in the log.

A few months ago, Igor was well behind me, now he's well ahead.
It all depends on how active a person is. Note that the actual figures I quote above are THEORETICAL. Igor doesn't always work 7 stations per pass.

There were *VERY* few stations who worked AO-7 in the 70's. Mostly Americans.

The JH station in 7th place has ammassed several hundred points without one single QSO ... which of course makes a complete mockery of the points system.

As I have mentioned on both reflectors several times. The log is an ACTIVITY log ... *NOT* a contest log. The "points" system is an ill-advised design in my opinion - others may disagree.

Accumulative errors from sloppy entries will eventually make the log show incorrect results.

73 John. <la2qaa@amsat.org>
.....

> To: eu-amsat@yahoogroups.com
> From: genek@...
> Date: Thu, 13 Dec 2007 10:27:47 +0200
> Subject: Re: [eu-amsat] Fw: AO-7 2000 QSO.
>
> Hello group,
>
> 2000 QSO just via AO-7, this "old bird"....
> Hm-m...
> How to find so many "uers" of AO-7?
> May be he worked via AO-7 during all those 30+ years, even, when
> bird was "dead"?
> Who has more via AO-7?
> May be it was his QSO "number 2000 via satellites" in his logbook?
>
> Strange, that I meet Igor firstly on satellites only in 2005 (VO-52)
> and never before...
> In my lodbook only 3843 QSO via satellites (RS, AO-7, AO-10 e.t.c...)

> Very poor result...
>
> 73! Gene ES1RF/ES3RF
>
>
> On Thu, 13 Dec 2007 01:18:07 +0200, SV1BSX <sv1bsx@...> wrote:
>
> > ----- Original Message -----
> > From: "TERRY BROMLEY" <terry.bromley@...>
> >
> > Subject: AO-7 2000 QSO.
> > UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
> > WELL DONE IGOR MY FRIEND.
> >
> > 73 TERRY G1WPR.
> >
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> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
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> Yahoo! Groups Links
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>

1149. Re: [eu-amsat] Fw: AO-7 2000 QSO.

Yahoo group: eu-amsat
Date: 2007-12-13 11:59:34 UTC
From: Gennadi Klevtsov
Topic: 1145 Message: 1149

John,

thanks for explanation!
BUT, read carefully one more time:

UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
WELL DONE IGOR MY FRIEND.
73 TERRY G1WPR.
Where here is the word "POINTS"??
Number of "points" not the same as number of "QSO"!!
Every word has his own significance and in this case "significance" was lost.
That's why I was really surprised!

Am I wrong?

73! Gene ES3RF

On Thu, 13 Dec 2007 11:02:43 +0200, John Hackett
<archie.hackett@...> wrote:

>
> Gene,
> Here's an explanation.
>
> Some days UA9CS Igor works as many as 7 stations on a pass.
> Each of these stations enters his callsign -
> 5 or more passes a day gives a *LOT* of points.
>
> Now maybe people can understand what I was rambling on about these last
> months re: "points" in the log.
>
> A few months ago, Igor was well behind me, now he's well ahead.
> It all depends on how active a person is. Note that the actual figures I
> quote above are THEORETICAL. Igor doesn't always work 7 stations per
> pass.
>
> There were *VERY* few stations who worked AO-7 in the 70's. Mostly
> Americans.
>
> The JH station in 7th place has ammassed several hundred points without
> one single QSO ... which of course makes a complete mockery of the
> points system.
>
> As I have mentioned on both reflectors several times. The log is an
> ACTIVITY log ... *NOT* a contest log. The "points" system is an

> ill-advised design in my opinion - others may disagree.
>
> Accumulative errors from sloppy entries will eventually make the log
> show incorrect results.
>
> 73 John. <la2qaa@...>
> .....

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1150. AO-7 Log - point taken ... (pardon the pun).

Yahoo group: eu-amsat
Date: 2007-12-13 13:03:59 UTC
From: John Hackett
Topic: 1145 Message: 1150

Yes, point taken Gene,
But nobody (including K3SZH) has the same number of QSO's as points on the log.

The log gives points for the number of times a callsign is mentioned.

Terry's inadvertant use of the word QSO instead of "points" is a small reminder of the rather odd way the log actually "counts".

It's neither Igor's nor Terry's fault K1DID arranged the coding this way.

I've brought this to the attention of the users several times but am usually reminded that ... "Relax!, it's just a hobby!".

73 John. <la2qaa@...>
.....

> To: eu-amsat@yahoogroups.com
> From: genek@...
> Date: Thu, 13 Dec 2007 13:59:34 +0200
> Subject: Re: [eu-amsat] Fw: AO-7 2000 QSO.
>
> John,
>
> thanks for explanation!
> BUT, read carefully one more time:
>
> UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
> WELL DONE IGOR MY FRIEND.
> 73 TERRY G1WPR.
> Where here is the word "POINTS"??
> Number of "points" not the same as number of "QSO"!!
> Every word has his own significance and in this case "significance" was
> lost.
> That's why I was really surprised!
>
> Am I wrong?
>
> 73! Gene ES3RF
>
> On Thu, 13 Dec 2007 11:02:43 +0200, John Hackett
> <archie.hackett@hotmail.com> wrote:
>
> >
> > Gene,
> > Here's an explanation.

> >
> > Some days UA9CS Igor works as many as 7 stations on a pass.
> > Each of these stations enters his callsign -
> > 5 or more passes a day gives a *LOT* of points.
> >
> > Now maybe people can understand what I was rambling on about these last
> > months re: "points" in the log.
> >
> > A few months ago, Igor was well behind me, now he's well ahead.
> > It all depends on how active a person is. Note that the actual figures I
> > quote above are THEORETICAL. Igor doesn't always work 7 stations per
> > pass.
> >
> > There were *VERY* few stations who worked AO-7 in the 70's. Mostly
> > Americans.
> >
> > The JH station in 7th place has ammassed several hundred points without
> > one single QSO ... which of course makes a complete mockery of the
> > points system.
> >
> > As I have mentioned on both reflectors several times. The log is an
> > ACTIVITY log ... *NOT* a contest log. The "points" system is an
> > ill-advised design in my opinion - others may disagree.
> >
> > Accumulative errors from sloppy entries will eventually make the log
> > show incorrect results.
> >
> > 73 John. <la2qaa@amsat.org>
> > .....
>
>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
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>
> Yahoo! Groups Links
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>

1151. Satellite DX report

Yahoo group: eu-amsat
Date: 2007-12-13 14:03:38 UTC
From: Thomas Frey
Topic: 1151 Message: 1151

Hello AO-7 fans

Read also careful the last sentence on
http://www.southgatearc.org/news/december2007/satellite_dx_report.htm

"This is an FM/SSB satellite."

Ooops, is AO-7 also an easy-sat now ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1152. Re: [eu-amsat] Satellite DX report

Yahoo group: eu-amsat
Date: 2007-12-13 15:22:07 UTC
From: Andrew Glasbrenner
Topic: 1151 Message: 1152

I sent G4TUT a correction via the story submission page.

73, Drew KO4MA

-----Original Message-----
From: Thomas Frey
Sent: Dec 13, 2007 9:03 AM
To: EU-Amsat
Subject: [eu-amsat] Satellite DX report

Hello AO-7 fans

Read also careful the last sentence on
http://www.southgatearc.org/news/december2007/satellite_dx_report.htm

"This is an FM/SSB satellite."

Ooops, is AO-7 also an easy-sat now ?

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1153. Re: [eu-amsat] Fw: AO-7 2000 QSO.

Yahoo group: eu-amsat
Date: 2007-12-13 17:35:48 UTC
From: TERRY BROMLEY
Topic: 1145 Message: 1153

Gene i ment qso's not points. To get a point = 1qso. Its not a race to see who is the best. We all like our hoby and should treat it so. I emailed John LA2QAA today to give my opinion. Howe many times we have worked a station who does not use the logging system (many) so no qso-point for that one.
As from today i will not use the AO-7 log, i will still use the sat, as i have made many friend through this old bird.
Enjoy the hoby, look foreward to say HI to you on the sat.
MERRYCHRISTMAS TO ALL MY SAT FRIENDS. HAPPY HEALTHY 2008.
TERRY G1WPR.
----- Original Message -----
From: "Gennadi Klevtsov" <genek@...>
To: <eu-amsat@yahoogroups.com>
Sent: Thursday, December 13, 2007 11:59 AM
Subject: Re: [eu-amsat] Fw: AO-7 2000 QSO.

> John,
>
> thanks for explanation!
> BUT, read carefully one more time:
>
> UA9CS CONGRATULATIONS IN YOUR 2000 QSO'S ON THE OLD BIRD.
> WELL DONE IGOR MY FRIEND.
> 73 TERRY G1WPR.
> Where here is the word "POINTS"??
> Number of "points" not the same as number of "QSO"!!
> Every word has his own significance and in this case "significance" was
> lost.
> That's why I was really surprised!
>
> Am I wrong?
>
> 73! Gene ES3RF
>
> On Thu, 13 Dec 2007 11:02:43 +0200, John Hackett
> <archie.hackett@...> wrote:
>
>>
>> Gene,
>> Here's an explanation.
>>
>> Some days UA9CS Igor works as many as 7 stations on a pass.
>> Each of these stations enters his callsign -
>> 5 or more passes a day gives a *LOT* of points.
>>
>> Now maybe people can understand what I was rambling on about these last

>> months re: "points" in the log.
>>
>> A few months ago, Igor was well behind me, now he's well ahead.
>> It all depends on how active a person is. Note that the actual figures I
>> quote above are THEORETICAL. Igor doesn't always work 7 stations per
>> pass.
>>
>> There were *VERY* few stations who worked AO-7 in the 70's. Mostly
>> Americans.
>>
>> The JH station in 7th place has ammassed several hundred points without
>> one single QSO ... which of course makes a complete mockery of the
>> points system.
>>
>> As I have mentioned on both reflectors several times. The log is an
>> ACTIVITY log ... *NOT* a contest log. The "points" system is an
>> ill-advised design in my opinion - others may disagree.
>>
>> Accumulative errors from sloppy entries will eventually make the log
>> show incorrect results.
>>
>> 73 John. <la2qaa@...>
>> .....
>
>
> --
> Using Opera's revolutionary e-mail client: http://www.opera.com/mail/
>
>
>
> Yahoo! Groups Links
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>

1154. RE: [eu-amsat] Satellite DX report

Yahoo group: eu-amsat
Date: 2007-12-13 19:14:42 UTC
From: John Hackett
Topic: 1151 Message: 1154

Well done! for spotting this Thomas ... so that corrections could be made.

73 John. <la2qaa@...>
.....
....

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 13 Dec 2007 15:03:38 +0100
Subject: [eu-amsat] Satellite DX report

Hello AO-7 fans

Read also careful the last sentence on

http://www.southgatearc.org/news/december2007/satellite_dx_report.htm

"This is an FM/SSB satellite."

Ooops, is AO-7 also an easy-sat now ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1155. Here we go again

Yahoo group: eu-amsat
Date: 2007-12-14 04:31:02 UTC
From: Luc Leblanc
Topic: 1155 Message: 1155

The AMSAT-NA censorship service seems to work only on me!!!

Here is our famous and proud fellow American "The ugly one" as i am forced to say most of them just are fine peoples.

I don.t know why AMSAT BOD seems to attract all the poor souls of the American satellite community?(Women included)

I for the hundred time will repeat there is no salvation in the amateur satellite radio community if each and every AMSAT'S STICK TO THEIR OWN SMALL SELFISH AMATEUR SATELLITE PROJECT.

It is only in forming one international real AMSAT where all the funding will be directed that will emerge any future viable project. Thank's to AMSAT-DL who stick to their goals instead of running like mad cows at each new girls who turn the corner!!!

As usual the AMSAT-NA janitors are coming back with their insults and named calling (By the way it seems that's the way to go in NASA engineering meeting!!) I was in Cocoa Beach (FL) last week for the shuttle launch and i got plenty of time to listen to some NASA and ESA folk's while taking my breakfast at the The Omelet Station and it is hard to believe how most of the new era space engineers are well mannered and polite probably AMSAT-NA just get the left over and it is confirmed when i read all Mr Hambly babbling through his hat.

He does not even see that all his funding attempt are vain the thermometer and the elitist president club is there to fund only their annual social bonavista club meetings and drinking... and the Eagle fund will be redirected to their "NEW" target of opportunity their "emergency selective satellite availability system" ESSAS!!!

Mr Hambly can i humbly ask you what happen with your government charitable AMSAT-NA listing REGISTRATION? how much money are you getting from this venture?

I'll tell you you will see coming soon a new AMSAT-NA cube or goodies to patch the hole as ECHO was "FILLING THE VOID"

P.S. If you want want to see NASA folks live just pass by Durango restaurant in Cocoa Beach and at the cheaters club just near by...;) some executive are even coming in their black official limo nice idea as they are better to not drive their own car:)) As with AMSAT-NA socializing seems to be the way to go there also. As tax payer money and membership money it is is made to circulate..

Got nice picture from the space coast BTW...

My 2 euro's I have suggestions to be disclose only on AMSAT-BB!

Merry Christmas and stay safe on the roads. Alcohol and gas are fuel for rocket engine only...or it is gas lighter!

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1156. Here we go again

Yahoo group: eu-amsat
Date: 2007-12-14 17:52:15 UTC
From: Luc Leblanc
Topic: 1155 Message: 1156

The AMSAT-NA censorship service seems to work only on me!!!

Here is our famous and proud fellow American "The ugly one" as i am forced to say most of them just are fine peoples.

I don.t know why AMSAT BOD seems to attract all the poor souls of the American satellite community?(Women included)

I for the hundred time will repeat there is no salvation in the amateur satellite radio community if each and every AMSAT'S STICK TO THEIR OWN SMALL SELFISH AMATEUR SATELLITE PROJECT.

It is only in forming one international real AMSAT where all the funding will be directed that will emerge any future viable project. Thank's to AMSAT-DL who

stick to their goals instead of running like mad cows at each new girls who turn the corner!!!

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plenty of time to listen to some NASA and ESA folk's while taking my breakfast at the The Omelet Station and it is hard to believe how most of the new era space engineers are well mannered and polite probably AMSAT-NA just get the left over and it is confirmed when i read all Mr Hambly babbling through his hat.

He does not even see that all his funding attempt are vain the thermometer and the elitist president club is there to fund only their annual social bonavista club meetings and drinking... and the Eagle fund will be redirected to their "NEW" target of opportunity their "emergency selective satellite availability system" ESSAS!!!

Mr Hambly can i humbly ask you what happen with your government charitable AMSAT-NA listing REGISTRATION? how much money are you getting from this venture?

I'll tell you you will see coming soon a new AMSAT-NA cube or goodies to patch the hole as ECHO was "FILLING THE VOID"

P.S. If you want want to see NASA folks live just pass by Durango restaurant in

Cocoa Beach and at the cheaters club just near by...;) some executive are even

coming in their black official limo nice idea as they are better to not drive their own car:)) As with AMSAT-NA socializing seems to be the way to go there also. As tax payer money and membership money it is is made to circulate..

Got nice picture from the space coast BTW...

My 2 euro's I have suggestions to be disclose only on AMSAT-BB!

Merry Christmas and stay safe on the roads. Alcohol and gas are fuel for rocket

engine only...or it is gas lighter!

"-"
"It is not the class of license the amateur holds, but the class of the amateur

that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"
"It is not the class of license the amateur holds, but the class of the amateur
that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1157. I know what Mak means.

Yahoo group: eu-amsat
Date: 2007-12-16 09:05:01 UTC
From: John Hackett
Topic: 1157 Message: 1157

Hello Group,
I know what Mak means when he talks about being 'lonely' on early morning AO-7 passes. This Sunday morning at 04:58 I had a range circle that was well over 7000 Km stretching from Frei Island (Norway) to Dhaka - (that's the capital of Bangladesh for those who got a C in Geography).

Of course, it wasn't 4 AM for everybody ... and for those that it was, they'd probably say ... Sunday morning ?? ... GET A LIFE !!!.

73 John. <la2qaa@...>

1158. Fw: FO-29 schedule Dec.-Jan.

Yahoo group: eu-amsat
Date: 2007-12-16 12:19:49 UTC
From: SV1BSX
Topic: 1158 Message: 1158

From: "Mineo Wakita" <ei7m-wkt@...>

2007 Dec. Time UTC

18 3:06 -
19 3:56 -
20 3:00 -
21 3:51 -
22 2:56 -, 4:45 -
23 3:46 -
24 2:52 -, 4:38 -
25 None
26 2:47 -
27 3:37 -
28 2:43 -
29 3:33 -
30 2:40 -, 4:25 -
31 1:45 -, 3:28 -
==========

2008 Jan.

1 2:33 -, 4:20 -
2 1:38 -, 3:25 -
3 2:30 -, 4:15 -
4 None
5 2:25 -, 4:10 -
6 3:15 -, 5:00 -
7 None

de JE9PEL, Mineo Wakita

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071213-0, 12/13/2007
Tested on: 12/16/2007 14:26:51
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1159. NASA Climate Change 'Peacemakers' Aided Nobel Effort

Yahoo group: eu-amsat
Date: 2007-12-18 04:20:39 UTC
From: Luc Leblanc
Topic: 1159 Message: 1159

This one is a positive one crossed post to eu-amsat@yahoogroups.com

Feature December 17, 2007

NASA Climate Change 'Peacemakers' Aided Nobel Effort

It's not every day that a NASA scientist can wake up and think, "Hey, I did something for world peace." But on Monday, Dec. 10, many NASA Earth scientists did exactly that.

In Oslo, Norway, the King of Sweden presented the shared 2007 Nobel Peace Prize to former U.S. Vice President Al Gore and to representatives of a United Nations panel that has spent two decades assessing Earth's changing climate and predicting where it is headed. Hundreds of NASA scientists, including some from JPL, contributed to the United Nations effort, working with thousands of their colleagues from more than 150 countries.

Announcing the Nobel Peace Prize, the Norwegian Nobel Committee said the scientific reports issued since 1990 by the United Nations Intergovernmental Panel on Climate Change (IPCC) have "created an ever-broader informed consensus about the connection between human activities and global warming." The peacemaking value of this scientific finding, according to the committee, is that human-induced changes in climate may cause "large-scale migration and lead to greater competition for the Earth's resources" and an "increased danger of violent conflicts and wars."

The Fourth IPCC Assessment, released this year in four reports, presented the strongest findings thus far that human activities are altering Earth´s climate and that the impacts of climate change are occurring already.

When the First IPCC Assessment was reported in 1990, NASA was building on a history of Earth remote sensing, developing and preparing to deploy the Earth Observing Satellite system to determine the extent, causes and regional consequences of global climate change. In the recent Fourth Assessment, scientists were informed by more than eight years of

systematic,
global observations of the Earth system. Satellite measurements have revealed fundamental
changes in Earth´s climate, including temperatures and rainfall, ice extent and properties, and sea
levels, as well as physical, chemical, and ecological impacts of climate change. NASA satellite
measurements contributed immeasurably to enable the IPCC´s strongest conclusions thus far.

"NASA is best known for its cutting-edge satellite instruments and global measurements of Earth
from space, but we contribute a lot more than that to climate change science," said Michael
Gunson, acting chief scientist in JPL's Earth Science and Technology Directorate, Pasadena,
Calif. "NASA´s role extends far beyond space-based measurements into the research to build our
understanding of climate change, enabling the critical work of the IPCC."

NASA instruments, data, analysis and modeling all contributed to the bedrock of the IPCC
report: the hundreds of papers published each year in scientific journals, many authored by
NASA scientists and many others using NASA observations. The authors of the report draw on
this ever-growing body of new knowledge to form their conclusions about climate change.

"The most remarkable thing about the process of assembling an IPCC report is that you can
actually get thousands of independent-minded and critical scientists to work together without
killing each other," said Bruce Wielicki, senior scientist for Earth science at NASA´s Langley
Research Center in Hampton, Va.

Wielicki contributed a portion of a chapter in the latest science assessment on how Earth´s
"energy budget," the ebb and flow of radiant energy from the sun and our planet, has changed as
measured by satellites. He began the project in October 2004 and, working with a team of 10
scientists, completed a compact summary of the latest research on the topic 20 months later. Like
each section of the IPCC reports, Wielicki's section went through repeated rounds of critiques by
other scientists.

NASA's Cynthia Rosenzweig, a plant and soil scientist at the Goddard Institute for Space

Studies, New York, N.Y., coordinated a key chapter in the new report on the impact of climate change -- an effort that took four years. "There were many, many late nights as we worked under strict deadlines to draft the chapter and revise it based on thousands of comments from reviewers, each of which had to be documented and responded to," Rosenzweig recalls.

"But the toughest part of the entire effort was the last step: reviewing our final draft with government officials," Rosenzweig says. Before each IPCC report is published, the lead authors sit down with diplomats, lawyers and environmental officials from around the world to review their findings, page by page. "These week-long meetings are very challenging as you respond to all sorts of concerns and questions. But this process is the real beauty of the IPCC. The final documents that emerge represent a consensus view of the world´s scientific community and government delegates."

The Nobel-winning IPCC reports have no parallel as the most authoritative source of climate science, says Wielicki. "When I give public lectures on climate, I tell my audience that there are three laws of solid information on climate change: IPCC, IPCC and IPCC."

The IPCC effort has also boosted public awareness of this critical area of science. "By collecting together the current scientific thinking on climate change, the IPCC showed the world the value of the type of science we are doing at NASA," said JPL's Gunson. "And that has really engaged the public, many of whom were surprised that NASA does climate research. It has really motivated a new interest in the work we do here day in and day out."

Related Links:

Nobel Peace Prize 2007: http://nobelprize.org/nobel_prizes/peace/laureates/2007/

Intergovernmental Panel on Climate Change: http://www.ipcc.ch/

NASA's Earth science program: http://science.hq.nasa.gov/earth-sun/index.html

Written by Stephen Cole/Goddard Space Flight Center

-end-

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1160. Re: [amsat-bb] One satellite or many? EmComm

Yahoo group: eu-amsat
Date: 2007-12-18 04:37:31 UTC
From: Luc Leblanc
Topic: 1160 Message: 1160

On 17 Dec 2007 at 21:47, Bob Bruninga wrote:

>
> But I am excited about this Emergency Communications mission that AMSAT-NA is investigating as a means of ensuring our long term relevance.
Emergency Preparednes and communications to me has always been a prime motivator in Ham radio.
>

Lest say it is a noble goal but it is one within many others means in an emergency situation.

More than anything else the main asset amateur radio has is related to the vast work force.

Numerous ham who can be emergency operators BUT with the average ham age now near the seventies the only one assets who remain is the fast equipment turn over rate eg:"quick installation" but who will be able to sustain a long period of operation?

The technology is there but most of the operators will probably not been able to make it...!

It is a noble cause to make PC'S available to world third countries but feeding them is also noble remain to be evaluated... the priorities?

P.S It's sad this brilliant idea remain confined in the North American continent! Sorry folks in the rest of the world better luck next time and don't call us will call you...

Luc Leblanc VE2DWE
RAC CEC
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1161. AO-7/A : Great conditions today

Yahoo group: eu-amsat
Date: 2007-12-21 15:24:07 UTC
From: SV1BSX
Topic: 1161 Message: 1161

Hello all

today morning I surprised because I had access to AO-7 at 1-2 degrees Elevation (North bearing) during the morning desceding orbit of "Old Girl", just after the AOS. That's very unusual & rare for me, I have a mountain (1450 m. ASL) and high buildings direct to this direction.

But the surprise is not ended here. When the "Old Girl" was almost to LOS (1-2 degr.) I was able to listen my CQ CQ signal on
Downlink, very Loud ! And, after the LOS, when the Satellite was below the horizon, my signal was still audible till the --5 degrees Elevation!

I confirmed the satellite orbit with a 2nd computer, nothing wrong. It happened really that!

So, it's obvious that the "propagation" conditions are excellent today for Mode-A. Another proof is that the nice QSO between
K3SZH & IV3JER at ~ 11.25 Z, as I read on AO-7's LOGbook.

Well, try a "shoot" on Mode-A through the "Old-Girl" this evening. (Unfortunatelly I can do that, I have QRL this afternoon).

Good Luck

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
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Virus Database (VPS): 071213-0, 12/13/2007
Tested on: 12/21/2007 17:24:12
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1162. ANDE De-Orbit 1722 pass over FN36KA

Yahoo group: eu-amsat
Date: 2007-12-23 17:49:17 UTC
From: Luc Leblanc
Topic: 1162 Message: 1162

Strong signal on Dec 23 1722Z pass start to hear at AOS until LOS near overhead pass 67deg

VE4NSA>CQ,ANDE-1*::N8FQ :>Antenna just made a 180
N8FQ>APRS,ANDE-1*::VE4NSA :A bit
VE4NSA>CQ,ANDE-1*::N8FQ :>Uuuuuuuuuuuuupppsss
AB9FT-15>T3TS9T,AB9FT-11,ANDE-1*:'sH/l [/>
ANDE-1>BEACON:T#007,138,047,049,046,214,11100001,000
VE4NSA>CQ,ANDE-1*::AB9FT-15 :>Having fun?
VE2DWE>CQ,ANDE-1*:Merry Christmas bye ANDE-1!
ANDE-1>BEACON:>Satellite 145.825mhz US Naval Academy
VE4NSA>CQ,ANDE-1*::VE2DWE :>Having fun?
ANDE-1>APRS1,SGATE::BLN1ANDE :ANDE-1 only wakes up 1 of evry 15s for users. Pse conserve.
KC2PCR>APRS,ANDE-1*,WIDE2-1:=4313.68N/07549.84W-*FN23gd* Oneida Lake {UISS51}
VE2DWE>CQ,ANDE-1*:Merry Christmas bye ANDE-1!
VE4NSA>CQ,ANDE-1*:=4958.81N/09701.36W->73' Via Satellite, EN19lx, Manitoba {UISS51}
ANDE-1>BEACON:T#008,140,136,121,138,133,10101011,000
KB1GVR>CQ,ANDE-1*:=4436.18N/06826.92W- {UIV32N}
ANDE-1>BEACON:T#009,002,010,009,004,003,01000000,000
ANDE-1>APRS2,SGATE::BLN2ANDE :ANDE stays awake for 30 secs after last pkt heard.
KB1GVR>APU25N,ANDE-1*::VE2DWE :Hello{90
KB1GVR>APU25N,ANDE-1*::VE2DWE :hello{91

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1163. Wishes

Yahoo group: eu-amsat
Date: 2007-12-24 11:50:56 UTC
From: SV1BSX
Topic: 93 Message: 1163

I wish to all :

Merry Christmas and a Happy New Year !

73 de Mak, SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071223-0, 12/23/2007
Tested on: 12/24/2007 13:51:03
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1164. merry Xmax & HNY

Yahoo group: eu-amsat
Date: 2007-12-24 14:04:39 UTC
From: nader omer
Topic: 1164 Message: 1164

Merry Christmas and a Happy New Year to all eu-amsat members

73 de st2nh Nader

Looking for last minute shopping deals? Find them fast with Yahoo! Search.

1165. Season Greetings

Yahoo group: eu-amsat
Date: 2007-12-24 14:26:10 UTC
From: Thomas Frey
Topic: 1165 Message: 1165

Merry Christmas and many QSO's over Satellites in 2008 to You all.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1166. SEASON GREETINGS

Yahoo group: eu-amsat
Date: 2007-12-24 16:02:17 UTC
From: Riri
Topic: 1166 Message: 1166

wishing you and your families a MERRY XMAS & a healthy,happy
prosperous 2008.

73's Riri - OD5RI -

1167. ande-1 QRT?

Yahoo group: eu-amsat
Date: 2007-12-24 17:00:47 UTC
From: Luc Leblanc
Topic: 1167 Message: 1167

On the Dec 24 1648Z pass nothing has been received here did anyone hear it?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1168. Have a good 2008!

Yahoo group: eu-amsat
Date: 2007-12-24 17:38:43 UTC
From: Igor
Topic: 1168 Message: 1168

Merry Christmas and a Happy New Year to all!
73 from Russia!
de Igor, RW3XL

1169. Merry Christmas and Happy Holidays to ALL

Yahoo group: eu-amsat
Date: 2007-12-24 17:49:03 UTC
From: John Marranca, Jr
Topic: 1169 Message: 1169

To all of my friends in Europe and all over the world...Merry Christmas and Happy Holidays from this side of the pond.

May 2008 bring us peace, prosperity, and good fortune!

God Bless.

John KB2HSH

1170. MERRY CHRISTMAS

Yahoo group: eu-amsat
Date: 2007-12-25 14:18:04 UTC
From: Demetre SV1UY
Topic: 1170 Message: 1170

"Merry Christmas" everyone!!!

73 de Demetre SV1UY

1171. AO-51 transantlantic pass

Yahoo group: eu-amsat
Date: 2007-12-26 12:26:39 UTC
From: Luc Leblanc
Topic: 1171 Message: 1171

Hi Erling

I just copy you on our early morning AO-51 pass you where portable somewhere in Norway "I guess" but you don't seems to hear me probably AO-51 was very low at LOS on your horizon.

Probably better luck next time
73

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1174. looking for address

Yahoo group: eu-amsat
Date: 2007-12-29 16:46:46 UTC
From: SV1BSX
Topic: 1174 Message: 1174

Hi all,

I am looking for the post-address of IZ5FSO.

A friend of mine, newcomer on Satellites, he made yesterday the 1st SAT- QSO
with him and he would like to send a direct QSL card, but the address of IZ5FSO
in not available on QRZ. It might be available on Italian Call-book.

Could be help me please some Italian-friend, member of this Group ?

Thanks in advance & HNY

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
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Tested on: 12/29/2007 18:46:54
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1175. HNY 2008

Yahoo group: eu-amsat
Date: 2007-12-31 17:39:46 UTC
From: SV1BSX
Topic: 1175 Message: 1175

I hope after 1 year, at the end of the next December, to be possible to say the next "Happy New Year"
with all my friends - around the World, through the new HEO Sat P3E (and not through the Internet, like this moment !)

I hope.... "Dum spiro spero".

I wish to all of you a Healthy, Happy & prosperous 2008.

HAPPY NEW YEAR !

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 071230-0, 12/30/2007
Tested on: 12/31/2007 19:39:50
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http://www.avast.com

1176. Passive reflectors.

Yahoo group: eu-amsat
Date: 2008-01-01 14:21:35 UTC
From: John Hackett
Topic: 1176 Message: 1176
Attachments: 1 described; binary payloads are missing from this source WARC

A HAPPY NEW YEAR to everyone - and particularly to those Stateside stations I work on AO-7 via knife-edge propagation.

I wish you all a happy and prosperous 2008.

73 John <la2qaa@...>

1177. alt az rotator

Yahoo group: eu-amsat
Date: 2008-01-01 15:41:51 UTC
From: Dominic Baines
Topic: 1177 Message: 1177

Hi,

Has anyone homebrewed an alt az rotator and controller?

I can think of the obvious lash one TV rotator (AR-303) on another or use a TV rotator for horizontal and a powered screwdriver and a long threaded rod attached to a hinging plate for vertical elevation. I am interested if anyone has worked out something else and how to obtained feedback and positioning?

A commercial rotator seems a bit too pricy.

73

Dom
M1KTA

_____
Sent from Yahoo! Mail - a smarter inbox http://uk.mail.yahoo.com

1178. Re: [eu-amsat] alt az rotator

Yahoo group: eu-amsat
Date: 2008-01-01 20:50:24 UTC
From: SV1BSX
Topic: 1177 Message: 1178

Hi Dom and Happy New Year,

well yes, I have made Elevation system for Satellites antennas by using
TVRO actuator.
The actuator is very cheap (30-40 E) and very powerfull stuff.

On the followink Link of my page you can see several photos and a nice
video
on YouTube (created by SW1IXP) about this system:

http://sv1bsx.50webs.com/actuator/actuator.html#sw1s

If you want any additional info let me know.

73 de Mak, SV1BSX

----- Original Message -----
From: "Dominic Baines" <dombaines@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, January 01, 2008 17:41
Subject: [eu-amsat] alt az rotator

> Hi,
>
> Has anyone homebrewed an alt az rotator and controller?
>
> I can think of the obvious lash one TV rotator (AR-303) on another or use
> a TV rotator for horizontal and a powered screwdriver and a long threaded
> rod attached to a hinging plate for vertical elevation. I am interested if
> anyone has worked out something else and how to obtained feedback and
> positioning?
>
> A commercial rotator seems a bit too pricy.
>
> 73
>
> Dom
> M1KTA
>
>
> _____
> Sent from Yahoo! Mail - a smarter inbox http://uk.mail.yahoo.com
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>
> Yahoo! Groups Links

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Virus Database (VPS): 071230-0, 12/30/2007
Tested on: 1/1/2008 22:50:35
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1179. A2710S Antenna's problem

Yahoo group: eu-amsat
Date: 2008-01-04 01:16:59 UTC
From: SV1BSX
Topic: 1179 Message: 1179

Hi to all & HAPPY NEW YEAR,

sorry for "off topic", just I wonder if somebody here has any experience with Cuscraft A2710S (5+5 El. V-U antenna).
A friend of mine (newcomer on SATs), he used only the VHF part of this antenna as VHF Yagi on a Satellite antenna system, but unfortunately the antenna appears SWR 3:1 !
Because he removed the "Harness" which splits the common Coaxial from TX-RX into the two separate antennas (V & U) in order to use the antenna with independent Coaxial - just for VHF band (the UHF-part is non-connected), I wonder if this "Harness" has to do with antenna matching - even if this coaxial is a simple-usual 50 Ohms cable.

Thanks in advance.

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
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Virus Database (VPS): 080103-0, 01/03/2008
Tested on: 1/4/2008 03:17:04
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1180. Re: [eu-amsat] A2710S Antenna's problem

Yahoo group: eu-amsat
Date: 2008-01-04 11:44:16 UTC
From: Thomas Frey
Topic: 1179 Message: 1180

SV1BSX schrieb:
> Hi to all & HAPPY NEW YEAR,
>
> sorry for "off topic", just I wonder if somebody here has any
> experience with Cuscraft A2710S (5+5 El. V-U antenna).
> A friend of mine (newcomer on SATs), he used only the VHF part of this
> antenna as VHF Yagi on a Satellite antenna system, but unfortunately
> the antenna appears SWR 3:1 !
> Because he removed the "Harness" which splits the common Coaxial
> from TX-RX into the two separate antennas (V & U) in order to use the
> antenna with independent Coaxial - just for VHF band (the UHF-part is
> non-connected), I wonder if this "Harness" has to do with antenna
> matching - even if this coaxial is a simple-usual 50 Ohms cable.
>
> Thanks in advance.
>
> 73 de Mak, SV1BSX
>
Hello Mak and a Happy New Year to All

I don't know this antenna. But I would install the Harness again and look, if the SWR is OK. If not, your friend has another problem at the antenna.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1181. Re: A2710S Antenna's problem

Yahoo group: eu-amsat
Date: 2008-01-05 18:07:02 UTC
From: Igor
Topic: 1179 Message: 1181

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> SV1BSX schrieb:
> > Hi to all & HAPPY NEW YEAR,
> >
> > sorry for "off topic", just I wonder if somebody here has any
> > experience with Cuscraft A2710S (5+5 El. V-U antenna).
> > A friend of mine (newcomer on SATs), he used only the VHF part of
this
> > antenna as VHF Yagi on a Satellite antenna system, but unfortunately
> > the antenna appears SWR 3:1 !
> > Because he removed the "Harness" which splits the common Coaxial
> > from TX-RX into the two separate antennas (V & U) in order to use the
> > antenna with independent Coaxial - just for VHF band (the UHF-part is
> > non-connected), I wonder if this "Harness" has to do with antenna
> > matching - even if this coaxial is a simple-usual 50 Ohms cable.
> >
> > Thanks in advance.
> >
> > 73 de Mak, SV1BSX
> >
> Hello Mak and a Happy New Year to All
>
> I don't know this antenna. But I would install the Harness again and
> look, if the SWR is OK. If not, your friend has another problem at the
> antenna.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
Hello Mak!
I don't know this antenna to, but when I attempt to count antenna
"like this" in MMANA, I have come to conclusion what Harness is
needed. All geometry in "like this" antenna's is very critical for
size and resistance, which load/drive it. In this case one driven
element is not connected at all. It should lead strong mismatch all
antenna.
All is only my îpinion :)
73! de Igor, RW3XL

1182. Re: [eu-amsat] Re: A2710S Antenna's problem

Yahoo group: eu-amsat
Date: 2008-01-05 19:33:16 UTC
From: SV1BSX
Topic: 1179 Message: 1182

Hi Thomas, Igor & Group,

well, the mystery ...solved ! This antenna is impossible to work without "Harness".
My friend of mine he connected again the Harness and now the SWR is 1:1.

Any attempt without Harness, even if tried to tune the Gamma-match again & again - was without success!
That sounds very strange to me indeed, because the Harness is not 2 pieces of 75 Ohm Coaxial cables (like a "Matching stub"), it is just 2 pieces of 50 Ohm Coaxials.
So I can't understand why this significant mismatch without the Harness.

Anyway....

Thanks for replies my friends.

73 de Mak, SV1BSX

----- Original Message -----
From: "Igor" <rw3xl@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, January 05, 2008 20:07
Subject: [eu-amsat] Re: A2710S Antenna's problem

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> SV1BSX schrieb:
> > Hi to all & HAPPY NEW YEAR,
> >
> > sorry for "off topic", just I wonder if somebody here has any
> > experience with Cuscraft A2710S (5+5 El. V-U antenna).
> > A friend of mine (newcomer on SATs), he used only the VHF part of
this
> > antenna as VHF Yagi on a Satellite antenna system, but unfortunately
> > the antenna appears SWR 3:1 !
> > Because he removed the "Harness" which splits the common Coaxial
> > from TX-RX into the two separate antennas (V & U) in order to use the
> > antenna with independent Coaxial - just for VHF band (the UHF-part is
> > non-connected), I wonder if this "Harness" has to do with antenna
> > matching - even if this coaxial is a simple-usual 50 Ohms cable.
> >
> > Thanks in advance.
> >
> > 73 de Mak, SV1BSX
> >
> Hello Mak and a Happy New Year to All

>
> I don't know this antenna. But I would install the Harness again and
> look, if the SWR is OK. If not, your friend has another problem at the
> antenna.
>
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
Hello Mak!
I don't know this antenna to, but when I attempt to count antenna
"like this" in MMANA, I have come to conclusion what Harness is
needed. All geometry in "like this" antenna's is very critical for
size and resistance, which load/drive it. In this case one driven
element is not connected at all. It should lead strong mismatch all
antenna.
All is only my ?pinion :)
73! de Igor, RW3XL

Yahoo! Groups Links

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Tested on: 1/5/2008 20:49:58
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080103-0, 01/03/2008
Tested on: 1/5/2008 21:34:04
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http://www.avast.com

1183. Why?.

Yahoo group: eu-amsat
Date: 2008-01-07 09:47:25 UTC
From: John Hackett
Topic: 1183 Message: 1183

Hrm !,
Why is it that a certain French station - (an old timer) - tunes up on top of me and the station I'm in QSO with almost everyday - on the same frequency!!!.

Surely even an old timer can remember where the tuning points are on his dial? ... write it down! for God's sake.

There is simply no excuse for this kind of operating when using full duplex.

As a CW-only station, surely he can recognise the difference between an on-going QSO and a CQ call?.

I am not !!! mistaken about the identity of the station concerned, though I have no wish to hang him out "personally" ... it's most probably *NOT* intentional ...
I recognise the signal and location very well and normally I just "accept" the wierd operating proceedure but this morning I was irritated! ... ha-ha-ha ... just blowing off steam !!! ... it will no doubt be the same on the next mode-B pass but by then I will be "awake".

Have a good day all and please forgive the "outburst" ... and waste of "bandwidth" ... he he he.

73 John. <la2qaa@...>

1184. A query.

Yahoo group: eu-amsat
Date: 2008-01-08 11:25:23 UTC
From: John Hackett
Topic: 1184 Message: 1184

Hi all,
Does anyone have any current information on the whereabouts/state of the SUMBANDILA (lit: 'pathfinder') satellite that was built by Stellenbosch universdity. South Africa.

The last I heard - (a year ago) - it had gone for "testing".

This satellite with a 2m/70cm transponder was to be launched at the end of 2006 ... then May 2007 ... it is now January 2008 and I can't recall seeing any pertinent info: on any of the bulletin boards.

If anyone has any 'recent' information I'd appreciate a hands-up.

73 John. <la2qaa@...>

1185. Re: [eu-amsat] A query.

Yahoo group: eu-amsat
Date: 2008-01-08 13:54:05 UTC
From: Thomas Frey
Topic: 1184 Message: 1185

John Hackett schrieb:
> Hi all,
> Does anyone have any current information on the
> whereabouts/state of the SUMBANDILA (lit: 'pathfinder') satellite that
> was built by Stellenbosch universdity. South Africa.
>
> The last I heard - (a year ago) - it had gone for "testing".
>
> This satellite with a 2m/70cm transponder was to be launched at the
> end of 2006 ... then May 2007 ... it is now January 2008 and I can't
> recall seeing any pertinent info: on any of the bulletin boards.
>
> If anyone has any 'recent' information I'd appreciate a hands-up.
>
> 73 John. <la2qaa@...>
>
Hello John

This was the last info about SumbandilaSat:
http://www.amsat.org/amsat/archive/amsat-bb/200705/msg01524.html

If there are any news about a new launch date, you can inform
you here on my list:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102#geplant
I update this list every month.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1186. RE: [eu-amsat] A query.

Yahoo group: eu-amsat
Date: 2008-01-08 17:13:29 UTC
From: John Hackett
Topic: 1184 Message: 1186

Thank you Thomas.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Tue, 8 Jan 2008 14:54:05 +0100
Subject: Re: [eu-amsat] A query.

John Hackett schrieb:

> Hi all,

> Does anyone have any current information on the

> whereabouts/state of the SUMBANDILA (lit: 'pathfinder') satellite that

> was built by Stellenbosch universdity. South Africa.

>

> The last I heard - (a year ago) - it had gone for "testing".

>

> This satellite with a 2m/70cm transponder was to be launched at the

> end of 2006 ... then May 2007 ... it is now January 2008 and I can't

> recall seeing any pertinent info: on any of the bulletin boards.

>

> If anyone has any 'recent' information I'd appreciate a hands-up.

>

> 73 John. <la2qaa@...>

>

Hello John

This was the last info about SumbandilaSat:

http://www.amsat.org/amsat/archive/amsat-bb/200705/msg01524.html

If there are any news about a new launch date, you can inform

you here on my list:

http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102#geplant

I update this list every month.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1187. A simple question about FT 847 & ham radio deluxe

Yahoo group: eu-amsat
Date: 2008-01-09 12:15:48 UTC
From: SW1JGW
Topic: 1187 Message: 1187

Dear friends,

I wish to all of you a happy new year.

I am new to this group as I am to the satellites as well.

For now I am active to AO51 and my radio is a Yaesu ft 847.

What I am trying to do is automatic Doppler adjustment with the use of ham radio deluxe software and my pc but I have only succeeded in the receiving frequency and not in transmitting frequency.

Actually the program does not control the trasmiting frequency at all.

Does anyone have any ideas?

Thank you.
73 de SW1JGW

1188. Re: [eu-amsat] A simple question about FT 847 & ham radio deluxe

Yahoo group: eu-amsat
Date: 2008-01-09 13:44:59 UTC
From: Simon Brown
Topic: 1187 Message: 1188

Hi,

Send me a screenshot - maybe you don't have an option selected. Also please look at the help text, there may bet Ft-847 info there.

Simon Brown, HB9DRV

----- Original Message -----
From: "SW1JGW" <mc90606@...>
>
> For now I am active to AO51 and my radio is a Yaesu ft 847.
>
> What I am trying to do is automatic Doppler adjustment with the use of
> ham radio deluxe software and my pc but I have only succeeded in the
> receiving frequency and not in transmitting frequency.
>
> Actually the program does not control the trasmiting frequency at all.
>

1189. Re: [eu-amsat] A simple question about FT 847 & ham radio deluxe

Yahoo group: eu-amsat
Date: 2008-01-09 16:05:51 UTC
From: Luc Leblanc
Topic: 1187 Message: 1189

> From: "SW1JGW" <mc90606@...>
> >
> > For now I am active to AO51 and my radio is a Yaesu ft 847.
> >
> > What I am trying to do is automatic Doppler adjustment with the use of
> > ham radio deluxe software and my pc but I have only succeeded in the
> > receiving frequency and not in transmitting frequency.
> >
> > Actually the program does not control the trasmiting frequency at all.
> >
>

I have the same problem here. I was told the earlier version of FT-847 does not have TX control implemented in the software. Yaesu corrected the problem later and offer to change the chip for those who get the first one.

I try to find where i read this if i can get it i will send it to you. The only one way i was able to control the TX vfo in the AO-40 era was to used the up and down button to follow the beacon.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1190. Re: A simple question about FT 847 & ham radio deluxe

Yahoo group: eu-amsat
Date: 2008-01-09 17:42:39 UTC
From: SW1JGW
Topic: 1187 Message: 1190

Thank you for your answers! i found the problem!
I was using the last BETA version. So in this version the option for
Main/sub VFO is not selectable. I replace the beta version with 3,4
version build 1254 and all are OK

Thank you !!!
happy new year with health and good quality of life
73 de sw1jgw
--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> > From: "SW1JGW" <mc90606@...>
> > >
> > > For now I am active to AO51 and my radio is a Yaesu ft 847.
> > >
> > > What I am trying to do is automatic Doppler adjustment with
the use of
> > > ham radio deluxe software and my pc but I have only succeeded
in the
> > > receiving frequency and not in transmitting frequency.
> > >
> > > Actually the program does not control the trasmiting frequency
at all.
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> >
>
>
> I have the same problem here. I was told the earlier version of FT-
847 does not
> have TX control implemented in the software. Yaesu corrected the
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> and offer to change the chip for those who get the first one.
>
> I try to find where i read this if i can get it i will send it to
you. The only
> one way i was able to control the TX vfo in the AO-40 era was to
used the up
> and down button to follow the beacon.
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE

> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

1191. "Top" of AO-7's LOG

Yahoo group: eu-amsat
Date: 2008-01-11 17:03:56 UTC
From: SV1BSX
Topic: 1191 Message: 1191

Congrat's to Mika, OH8MBN !

He is the 5th European station above 1000 points in to Emily's OnLine LogBook for AO-7 .

Good one Mika ! I wish you good luck for the next step, at... 2000 points !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080110-0, 01/10/2008
Tested on: 1/11/2008 19:20:13
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http://www.avast.com

1192. A french HAM (OM) artist

Yahoo group: eu-amsat
Date: 2008-01-11 18:13:54 UTC
From: Luc Leblanc
Topic: 1192 Message: 1192

For those who where in the HOMEMADE construction era here a very special video about a french ham who home brew his tubes (valves) triode and a kind on NO2 like tube.

I know its not the surface mount printed circuit business but its remain an artistic work of art!

I see a lot of weird things in amateur radio but this one will be in the top ten lets say at the first rank.

I want to try that but my basement is not large enough to install all this tools and metal working machines

http://www.dailymotion.com/video/x3wrzo_fabrication-dune-lampe-triode_tech

P.S. Just check his personal home page its in french but it worth a look if you like tubes lamps valve....

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1193. RE: [eu-amsat] "Top" of AO-7's LOG

Yahoo group: eu-amsat
Date: 2008-01-12 08:22:25 UTC
From: John Hackett
Topic: 1191 Message: 1193

Note also JH3XCU/1 still climbing up the list ... with no QSO's whatsoever.

10th most active operator on AO-7 ??? ... err, I don't think so.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Fri, 11 Jan 2008 19:03:56 +0200
Subject: [eu-amsat] "Top" of AO-7's LOG

Congrat's to Mika, OH8MBN !

He is the 5th European station above 1000 points in to
Emily's OnLine LogBook for AO-7 .

Good one Mika ! I wish you good luck for
the next step, at... 2000 points !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080110-0, 01/10/2008
Tested on: 1/11/2008 19:20:13
avast! - copyright (c) 1988-2008 ALWIL Software.

1194. RE: [eu-amsat] A french HAM (OM) artist

Yahoo group: eu-amsat
Date: 2008-01-12 08:25:56 UTC
From: John Hackett
Topic: 1192 Message: 1194

Luc,
Gm1sxx sent me this a while ago - it's amazing !!! ... and ought to be 'mandatory' for Amsat and the FM brigade - (how do you turn a radio on?).

73 John. <la2qaa@...>
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Fri, 11 Jan 2008 13:13:54 -0500
Subject: [eu-amsat] A french HAM (OM) artist

For those who where in the HOMEMADE construction era here a very special video

about a french ham who home brew his tubes (valves) triode and a kind on NO2

like tube.

I know its not the surface mount printed circuit business but its remain an

artistic work of art!

I see a lot of weird things in amateur radio but this one will be in the top

ten lets say at the first rank.

I want to try that but my basement is not large enough to install all this

tools and metal working machines

http://www.dailymotion.com/video/x3wrzo_fabrication-dune-lampe-triode_tech

P.S. Just check his personal home page its in french but it worth a look if you

like tubes lamps valve....

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1195. Re: [eu-amsat] "Top" of AO-7's LOG

Yahoo group: eu-amsat
Date: 2008-01-12 10:32:03 UTC
From: SV1BSX
Topic: 1191 Message: 1195

Hi John (& Group),

you are 100% right.... however, the problem's source is the "counting method"

on this LogBook, not the users.

It is unfair to count "1 point" either QSO, or SWL-report.

Only the QSOs should be count "points" in the total score.

The SWL-reports are useful just for season statistics.

Have a nice weekend

73 de Mak, SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Saturday, January 12, 2008 10:22
Subject: RE: [eu-amsat] "Top" of AO-7's LOG

Note also JH3XCU/1 still climbing up the list ... with no QSO's whatsoever.

10th most active operator on AO-7 ??? ... err, I don't think so.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Fri, 11 Jan 2008 19:03:56 +0200
Subject: [eu-amsat] "Top" of AO-7's LOG

Congrat's to Mika, OH8MBN !

He is the 5th European station above 1000 points in to Emily's OnLine LogBook for AO-7 .

Good one Mika ! I wish you good luck for the next step, at... 2000 points !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080110-0, 01/10/2008

```
Tested on: 1/11/2008 19:20:13
avast! - copyright (c) 1988-2008 ALWIL Software.

--------------------------------------------------------------------------------

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 080110-0, 01/10/2008
Tested on: 1/12/2008 12:08:46
avast! - copyright (c) 1988-2008 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080110-0, 01/10/2008
Tested on: 1/12/2008 12:32:07
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com
```

1196. RE: [eu-amsat] "Top" of AO-7's LOG

Yahoo group: eu-amsat
Date: 2008-01-12 11:06:37 UTC
From: John Hackett
Topic: 1191 Message: 1196

Mak,
You're absolutely right - but when Emily refuses to answer her mail there's nothing I can do about it.

(She's still in her "virtual" world at 'Second Life).

Me, I have enough problems in my 'first life' ... he he he he.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 12 Jan 2008 12:32:03 +0200
Subject: Re: [eu-amsat] "Top" of AO-7's LOG

Hi John (& Group),

you are 100% right.... however, the problem's source is the "counting method"

on this LogBook, not the users.

It is unfair to count "1 point" either
QSO, or SWL-report.
Only the QSOs should be count "points" in the total score.

The SWL-reports are useful just for season statistics.

Have a nice weekend

73 de Mak, SV1BSX

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Saturday, January 12, 2008
10:22
Subject: RE: [eu-amsat] "Top" of AO-7's
LOG

Note also JH3XCU/1 still climbing up the list ... with no QSO's
whatsoever.

10th most active operator on AO-7 ??? ... err, I don't
think so.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From:
sv1bsx@...
Date: Fri, 11 Jan
2008 19:03:56 +0200
Subject: [eu-amsat] "Top" of AO-7's LOG

Congrat's to Mika, OH8MBN !

He is the 5th European station above 1000 points in
to Emily's OnLine LogBook for AO-7 .

Good one Mika ! I wish you good luck for
the next step, at... 2000 points !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
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Tested on: 1/12/2008 12:32:07
avast! - copyright (c) 1988-2008 ALWIL Software.

1197. Trasatlantic QSO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-12 11:16:10 UTC
From: Luc Leblanc
Topic: 1197 Message: 1197

Transatlantic QSO is actually possible on AO-51 from my grid FN36 i copy a station in grid JO and make a QSO with EA8CEI Alberto on Canary Island when the satellite was at 3 degrees of elevation (4 deg max on that early morning pass).

Feel quite alone on this over the Atlantic pass no one show up in North America?

"-"

Luc Leblanc VE2DWE
Nice video
http://www.dailymotion.com/video/x3wrzo_fabrication-dune-lampe-triode_tech
WAC BASIC CW PHONE SATELLITE

1198. a question for wimo antenna WY207 2m

Yahoo group: eu-amsat
Date: 2008-01-12 14:35:08 UTC
From: SW1JGW
Topic: 1198 Message: 1198

Dear friends.
Im planning to order the WY207 antenna from Wimo for FM satellites.
Its a 7 elements VHF yagi antenna with linear polarization. Has
anyone used it? please inform me about this antenna...
thank you
73 de SW1jgw

1199. Re: [eu-amsat] Trasatlantic QSO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-12 15:10:10 UTC
From: Gennadi Klevtsov
Topic: 1197 Message: 1199

Hi Luc,
I beleive, that such a QSO is possible.
We have QSO vith VO1ONE (GN37ON) via AO-51 on 23.11.2005.
Mark was usind only 5 watt handheld station and dual band ARRWOW antenna.
Our mutual window was about 1 minutes, but may be even less.
Anyway, his signal was exelent and real report was 59/59.
One more QSO with Mark was in march, 2006 Also via AO-51.
But my setup was 4x9 el yagi for 145 and 4x19 el. yagi for 435 MHz.
(http://es1rf.interval.ee)
Of course, distance to you is a little bit longer, but may be we can find
a mutual window too with a carefull calculation.
My QRA-loc is KO29IF.
It should be interesting!!

73! de Gena-ES1RF/ES3RF

On Sat, 12 Jan 2008 13:16:10 +0200, Luc Leblanc <lucleblanc6@...>
wrote:

> Transatlantic QSO is actually possible on AO-51 from my grid FN36 i copy
> a
> station in grid JO and make a QSO with EA8CEI Alberto on Canary Island
> when the
> satellite was at 3 degrees of elevation (4 deg max on that early morning
> pass).
>
> Feel quite alone on this over the Atlantic pass no one show up in North
> America?
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Nice video
> http://www.dailymotion.com/video/x3wrzo_fabrication-dune-lampe-triode_tech
> WAC BASIC CW PHONE SATELLITE
>
>

--
Using Opera's revolutionary e-mail client: http://www.opera.com/mail/

1200. Re: Trasatlantic QSO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-12 20:27:39 UTC
From: Luc Leblanc
Topic: 1197 Message: 1200

The grid JO station has been indentified it is Ib OZ1MY from Denmark missed the QSO be half a degree it is a very near edge horizon scraping last second type of contact...

> Transatlantic QSO is actually possible on AO-51 from my grid FN36 i copy a
> station in grid JO and make a QSO with EA8CEI Alberto on Canary Island when the
> satellite was at 3 degrees of elevation (4 deg max on that early morning
> pass).

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1201. Observations From Norway.

Yahoo group: eu-amsat
Date: 2008-01-15 11:25:59 UTC
From: John Hackett
Topic: 1201 Message: 1201

Hello folks,
Linear satellites are getting a bit thin on the ground lately arn't they - and what with the (hopefully) temporary demise of AO-51 (a software reload) there's not much a satellite operator can do other than to make an appearance on AO-7 or VO-52.

Therefore, I wrote the following 'missive' as a suggestion, so, instead of whinging, you can can get off your bum and chuck together a small interface for your FM handheld and try some QRP operating - you just might surprise yourself.

While predominantly aimed at European operators I added this to the amsat-bb because there are a *LOT* of potential 'linear' folks among the FM operators "over there".

Do please take the time to learn a little about power budgets and aerial gain etc.

73 John. <la2qaa@...>
.....

OBSERVATIONS FROM NORWAY
LA2QAA
14 January 2008
An experiment,

As many of us are aware, the average age of Hams is creeping up and satellite operators are no exception - we're heading faster toward 'extinction' as opposed to distinction.

The much debated 'no code' exam - (to encourage more younger amateurs) - has, IMHO - had the complete opposite effect. With MSN and SMS why bother with Amateur Radio? ... the answer would be ... to do something you *CAN'T* do on your pet computer.

So what can be done to turn around the negative trend of this sad state of affairs?. I don't pretend to have all the answers ... however ...

One possible solution is to attract more of the 'FM only' amateurs onto linear satellites, to explore other means of communication so that they're not 'stuck' with the boring 'single user' solution.

The usual fly in the ointment excuse, here is ... "but I haven't got any gear capable of for example CW" ... which is of course an excuse that is as weak as 'hiss' with a capital P.

It is perfectly feasible to modulate an FM signal by switching on and off the carrier ... some people have used the PTT button to achieve this but a more elegant solution is to feed a controlled CW signal directly into the microphone input of an FM ... A.K.A. MCW modulation.

Ahh! ... anti-social behaviour you say, sending 'FM' on a linear satellite - due to the power budget, since FM is a 100% duty cycle mode ...

BUT !!! ... if one were to QRP by 25% as well as increase the aerial efficiency by 25% - (or any permutation giving the same results) - one would *NOT* be 'hogging' any more of the available transponder power than one normally would on a linear satellite.

Remember, the difference between a satellite signal at the horizon and at TCA (time of closest approach) - is quite dramatic ... (not that many people bother to regulate their power for ... "enough to do the job" ... or, as Bill used to say ... "Tis' vain to do with more, that which can be done with less".

("Bill" = William of Occam 1347).

Regular users of AO-7 will be aware that while activity has increased this last 12 months in the afternoon and evening passes, the morning passes are still for all intents and purposes devoid of any signal at all.

The increased use of AO-7 is most likely due to a lack of other 'linear' satellites, VO-52's apparent lack of activity is most probably due to the low orbit which results in an increased Doppler rate and smaller footprint. AO-7 does provide for 6500km footprints on a daily basis.

Due to above "waffling" ... I intend to conduct a few QRP FM experiments on the mode-B morning passes. If you happen to hear an AO-7 'woodpecker' you might like to try switching to FM for a moment to see if you can hear some CW.

As long as you keep your power low ... (LIMA - OSCAR - WHISKEY folks) ... QRP PLEASE ... you signal won't be any more detrimental than a CW or SSB one. Of course, you *WILL* have to take the bananas out of your ears and use them as they were intended ... to listen !!!!!.

73 John. <la2qaa@...>

1202. AO-51 is ON in mode U/V

Yahoo group: eu-amsat
Date: 2008-01-15 15:39:58 UTC
From: Luc Leblanc
Topic: 1202 Message: 1202

On the 15:30 pass AO-51 was operational in mode U/V i make a QSO with N5UXB
signal where very strong on both downlink data and audio.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1203. RE: [amsat-bb] Observations From Norway.

Yahoo group: eu-amsat
Date: 2008-01-15 17:38:47 UTC
From: John Hackett
Topic: 1203 Message: 1203

Mark,
You said ...

<I don't see how it addresses anything specifically
<of interest to young people. Did I miss something?

I think you may have missed the point about being able to do something you 'couldn't' do on a computer with MSN or a mobile phone with SMS - (which seem to be the main tools of communication of the younger generation today).

Also ... I did specifically say ...

"I don't pretend to have all the answers ... however ... one possible solution is to attract more of the 'FM only' amateurs onto linear
satellites, to explore other means of communication so that they're not 'stuck'
with the boring 'single user' solution.

Further, I entitled the message - "SUGGESTION" - it wasn't meant as anything more than that.

BTW ... FM "bandwidth" isn't much of an issue if the transponder is
'empty' - (as I mentioned for the mid-morning passes). Excessive power is far more detremental.

73 John. <la2qaa@...>
.....
....

> CC: eu-amsat@yahoogroups.com; amsat-bb@...
> From: mvandewettering@...
> To: la2qaa@...
> Subject: Re: [amsat-bb] Observations From Norway.
> Date: Tue, 15 Jan 2008 08:40:04 -0800
>
>
> On Jan 15, 2008, at 3:25 AM, John Hackett wrote:
> >
> > OBSERVATIONS FROM NORWAY
> > LA2QAA
> > 14 January 2008
> > An experiment,
> >
> >
> >
> > As many of us are aware, the average age of Hams is creeping up and
> > satellite
> > operators are no exception - we're heading faster toward

> > 'extinction' as opposed
> > to distinction.
>
> My own opinions on this matter fall somewhere between rosy optimism
> and dire
> pessimism. Amateur radio is certainly changing, but it would be a
> sad, sad thing
> if it were not. We should be concerned about the greying of our
> population, but
> we shouldn't panic about it. If we were really concerned about
> numbers, we'd
> remove licensing requirements entirely and find manufacturers to package
> radios to look like cell phones. That would help swell our numbers,
> but it wouldn't
> really be amateur radio any more.\
>
> > The much debated 'no code' exam - (to encourage more younger
> > amateurs) - has,
> > IMHO - had the complete opposite effect. With MSN and SMS why bother
> > with
> > Amateur Radio? ... the answer would be ... to do something you
> > *CAN'T* do on
> > your pet computer.
>
> Morse code should have been dropped long ago. While a fun mode (for
> some
> at least), it occupied a special niche in the regulations which far
> exceeded any
> practical reason for its retention. On the other hand, the idea that
> Morse kept
> large numbers of young people _differentially_ from becoming hands is,
> I admit,
> rather absurd.
>
> > So what can be done to turn around the negative trend of this sad
> > state of
> > affairs?. I don't pretend to have all the answers ... however ...
> >
> > One possible solution is to attract more of the 'FM only' amateurs
> > onto linear
> > satellites, to explore other means of communication so that they're
> > not 'stuck'
> > with the boring 'single user' solution.
>
> I must admit that I'm a little dismayed by the constant barrage of
> negative comments
> that people seem to heap on the FM sats in this forum. I've been
> having a blast
> operating QRP style with a Kenwood TH-D7A and my trusty Arrow. From my
> QTH in CM87, I've worked Hawaii, Socorros Island, Fairbanks, Manitoba,

> South
> Carolina: it's been a blast. Yes, they are single user satellites,
> and they can
> be crowded, but I've also had to call CQ on AO-51 a couple of times in
> the past
> month (before it crashed, sigh) because nobody was on the bird.
>
> >
> > The usual fly in the ointment excuse, here is ... "but I haven't
> > got any gear
> > capable of for example CW" ... which is of course an excuse that is
> > as weak as
> > 'hiss' with a capital P.
> >
> > It is perfectly feasible to modulate an FM signal by switching on
> > and off the
> > carrier ... some people have used the PTT button to achieve this
> > but a more
> > elegant solution is to feed a controlled CW signal directly into the
> > microphone
> > input of an FM ... A.K.A. MCW modulation.
> >
> > Ahh! ... anti-social behaviour you say, sending 'FM' on a linear
> > satellite - due
> > to the power budget, since FM is a 100% duty cycle mode ...
> >
> > BUT !!! ... if one were to QRP by 25% as well as increase the aerial
> > efficiency
> > by 25% - (or any permutation giving the same results) - one would
> > *NOT* be
> > 'hogging' any more of the available transponder power than one
> > normally would on
> > a linear satellite.
>
> I must admit, that's a novel suggestion that I had not heard of
> before. But doesn't
> this idea hog more of the available *bandwidth* on the transponder?
> I'd think that
> would be considered rather anti-social as well. Is this kind of
> operation considered
> kosher?
>
>
> > Remember, the difference between a satellite signal at the horizon
> > and at TCA (
> > time of closest approach) - is quite dramatic ... (not that many
> > people bother
> > to regulate their power for ... "enough to do the job" ... or, as
> > Bill used to
> > say ... "Tis' vain to do with more, that which can be done with less".

> >
> > ("Bill" = William of Occam 1347).
> >
> > Regular users of AO-7 will be aware that while activity has
> > increased this last
> > 12 months in the afternoon and evening passes, the morning passes
> > are still for
> > all intents and purposes devoid of any signal at all.
> >
> > The increased use of AO-7 is most likely due to a lack of other
> > 'linear'
> > satellites,
>
> Well, and the rather interesting "cool" factor of working on a 30+
> year old satellite.
>
> > VO-52's apparent lack of activity is most probably due to the low
> > orbit which results in an increased Doppler rate and smaller
> > footprint. AO-7
> > does provide for 6500km footprints on a daily basis.
>
> Which is another reason that it's pretty neat to work.
>
> > Due to above "waffling" ... I intend to conduct a few QRP FM
> > experiments on the
> > mode-B morning passes. If you happen to hear an AO-7 'woodpecker'
> > you might like
> > to try switching to FM for a moment to see if you can hear some CW.
>
> I'll have a listen.
>
> >
> > As long as you keep your power low ... (LIMA - OSCAR - WHISKEY
> > folks) ... QRP
> > PLEASE ... you signal won't be any more detrimental than a CW or SSB
> > one. Of
> > course, you *WILL* have to take the bananas out of your ears and use
> > them as
> > they were intended ... to listen !!!!!.
>
> I'm curious though: you began this message with a cry that we need to
> get more young
> people involved in amateur radio, and this was apparently your
> suggestion. In what
> way do you think this suggestion accomplishes your goals? Yes, it
> allows people to
> work a different mode on a satellite that they may not be familiar
> with, but it isn't exactly
> the friendliest or even the most useful path to satellites, and I
> don't see how it

> addresses anything specifically of interest to young people. Did I
> miss something?
>
> Mark
>
>
> > 73 John. <la2qaa@...>
> >
> >
> >
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the
> > author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite
> > program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

1204. RE: [amsat-bb] Observations From Norway.

Yahoo group: eu-amsat
Date: 2008-01-16 09:21:29 UTC
From: John Hackett
Topic: 1203 Message: 1204

James,
That's what I meant but it looks like I didn't express myself very well, sorry! - however, in my defence, I do recall I mentioned MCW.

Already had a few negative "comments" re: my suggestion but I'm an old fart and I'm *not* going to apologise for it.

I've been telling people for years !!! my last remaining active braincell is on it's last legs ... like AO-7, I only operate in sunlight !!.

As long as it's fun and I'm not doing anybody any harm nor stepping on anyones toes other than verbally - why not !!!.

73 John. <la2qaa@...>
.....

> CC: JamesDuffey@comcast.net; eu-amsat@yahoogroups.com; amsat-bb@...
> From: JamesDuffey@...
> Subject: Re: [amsat-bb] Observations From Norway.
> Date: Tue, 15 Jan 2008 18:45:32 -0700
> To: la2qaa@...
>
> John - Why not do both, that is key the PTT and inject a tone into
> the audio, resulting in a MCW signal with no more duty cycle than a
> CW signal?
>
> I remember a lot of keyed FM signals on Oscar 7 the first time
> around. Lots of chirp accompanied by enthusiasm. :^)= - Duffey
> --
> James Duffey KK6MC/5
> Cedar Crest NM 87008
> DM65
>

1205. C4EURO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-16 16:15:20 UTC
From: SV1BSX
Topic: 1205 Message: 1205

Hello,

just I worked a special callsign C4EURO from Cyprus, via AO-51 !

QRA = KM64EV, operator 5B4AGY .

Just keep in mind for the next pass around 17:40 Z

Good Luck.

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080115-0, 01/15/2008
Tested on: 1/16/2008 18:23:38
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http://www.avast.com

1206. RE: [eu-amsat] C4EURO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-16 16:30:23 UTC
From: Iain McKeracher
Topic: 1205 Message: 1206
Attachments: 2 described; binary payloads are missing from this source WARC

Mak,

Thanks for that. I have a mountain behind me and I lose the 2nd half of the pass but I will do my best to work as many as possible.

Best 73

Iain - 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
Sent: 16 January 2008 18:15
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] C4EURO on AO-51

Hello,

just I worked a special callsign C4EURO from Cyprus, via AO-51 !

QRA = KM64EV, operator 5B4AGY .

Just keep in mind for the next pass around 17:40 Z

Good Luck.

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---

avast! Antivirus <http://www.avast.com> : Outbound message clean.

Virus Database (VPS): 080115-0, 01/15/2008
Tested on: 1/16/2008 18:23:38
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1207. RE: [eu-amsat] C4EURO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-16 18:02:38 UTC
From: Iain McKeracher
Topic: 1205 Message: 1207
Attachments: 2 described; binary payloads are missing from this source WARC

Mak,

Is there a way to tell what mode AO7 will be on tomorrow- the 17th? I need it to be in Mode B!!

Best 73

Iain - 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
Sent: 16 January 2008 18:15
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] C4EURO on AO-51

Hello,

just I worked a special callsign C4EURO from Cyprus, via AO-51 !

QRA = KM64EV, operator 5B4AGY .

Just keep in mind for the next pass around 17:40 Z

Good Luck.

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---

avast! Antivirus <http://www.avast.com> : Outbound message clean.

Virus Database (VPS): 080115-0, 01/15/2008
Tested on: 1/16/2008 18:23:38
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1208. Re: [eu-amsat] C4EURO on AO-51

Yahoo group: eu-amsat
Date: 2008-01-16 21:30:18 UTC
From: SV1BSX
Topic: 1205 Message: 1208

Iain,

every "odd day" (15, 17, 19 Jan etc) of this month the AO-7 is active on Mode-B
and every "even day" (14, 16, 18 Jan etc) is active on Mode-A.

The switching between Mode-A & Mode-B happens at about 02:00 UTC (by internal timer of
AO-7).

You can read also the AO-7's LogBook for reports about Mode-switching:

http://www.planetemily.com/ao7/ao7log.php

Tomorrow it will be in Mode-B, indeed !

73 de Mak, SV1BSX

----- Original Message -----
From: Iain McKeracher
To: eu-amsat@yahoogroups.com
Sent: Wednesday, January 16, 2008 20:02
Subject: RE: [eu-amsat] C4EURO on AO-51

Mak,

Is there a way to tell what mode AO7 will be on tomorrow- the 17th? I need it to be in Mode
B!!

Best 73

Iain – 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
Sent: 16 January 2008 18:15
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] C4EURO on AO-51

Hello,

just I worked a special callsign C4EURO from Cyprus, via AO-51 !

QRA = KM64EV, operator 5B4AGY .

Just keep in mind for the next pass around 17:40 Z

Good Luck.

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---

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Virus Database (VPS): 080115-0, 01/15/2008
Tested on: 1/16/2008 18:23:38
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---

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Tested on: 1/16/2008 23:03:21
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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080115-0, 01/15/2008
Tested on: 1/16/2008 23:30:22
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http://www.avast.com

1209. C-Band receiver for P3E completed

Yahoo group: eu-amsat
Date: 2008-01-17 16:32:10 UTC
From: Thomas Frey
Topic: 1209 Message: 1209

Read at http://www.southgatearc.org/news/january2008/p3e_c_band_receiver.htm

The link "P3E Page http://www.amsat-dl.org/p3e/" is old and will not
be updated. The new P3E Page you can find here:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=37&Itemid=83
I don't know, if this page will be updated. Since AMSAT-DL has a CMS for
their sites, there grow new sites about P3E, like the site above.

The best way to be updatet about Phase-3E is the following link:
http://www.amsat-dl.org/index.php?searchword=p3-e+p3e&option=com_search&Itemid=86

BUT: Its all in German. But you can translate it online. Or you learn
the German language. ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1210. AO-16 is back on Voice !

Yahoo group: eu-amsat
Date: 2008-01-23 05:54:02 UTC
From: SV1BSX
Topic: 1210 Message: 1210

Hi all,

AO-16 is back again on... Voice!

I saw this info yesterday night on Amsat-BB and I tried today morning a test when this bird passed over Europe and it was... amazing !

Super-Duper Downlink, very Loud ! Extremely sensitive Uplink !...
but... <<<<<<Surprise>>>>>> !!!

Unusual Sat-Mode:

UpLink: 145.920 FM
DownLink: 4375.026 USB (!!!, yes it works as DSB (USB + LSB), but I think the audio is much better on USB)

Enjoy it !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080118-0, 01/18/2008
Tested on: 1/23/2008 7:54:06
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http://www.avast.com

1211. Re: [eu-amsat] AO-16 is back on Voice !

Yahoo group: eu-amsat
Date: 2008-01-23 10:03:44 UTC
From: Thomas Frey
Topic: 1210 Message: 1211

SV1BSX schrieb:
> Hi all,
>
> AO-16 is back again on... Voice!
>
> I saw this info yesterday night on Amsat-BB and I tried today
> morning a test
> when this bird passed over Europe and it was... amazing !
>
> Super-Duper Downlink, very Loud ! Extremely sensitive Uplink !...
> but... <<<<<<Surprise>>>>>> !!!
>
> Unusual Sat-Mode:
>
> UpLink: *145.920* *FM*
> DownLink: *4375.026* *USB* (!!!, yes it works as DSB (USB + LSB), but
> I think
> the audio is much better on USB)
>
> Enjoy it !
>
> 73, Mak SV1BSX
>
>
Hello Mak

Thanks for the info. As old packeteer I will miss the digipeating in
Fuji-Mode, but this is also an interesting new mode to experiment.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1212. Re: [eu-amsat] AO-16 is back on Voice !

Yahoo group: eu-amsat
Date: 2008-01-23 10:25:52 UTC
From: SV1BSX
Topic: 1210 Message: 1212

Oups! sorry, just now I read the reply from Thomas and I see a GREAT misprint:

CORRECT Downlink is 437.026 USB (and NOT 4375.026 ...on microwaves !!!)

I apologize for my mistake.

*** Don't shoot the... orchestra if the pianist is off-key !***

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, January 23, 2008 12:03
Subject: Re: [eu-amsat] AO-16 is back on Voice !

> SV1BSX schrieb:
>> Hi all,
>>
>> AO-16 is back again on... Voice!
>>
>> I saw this info yesterday night on Amsat-BB and I tried today
>> morning a test
>> when this bird passed over Europe and it was... amazing !
>>
>> Super-Duper Downlink, very Loud ! Extremely sensitive Uplink !...
>> but... <<<<<<Surprise>>>>>> !!!
>>
>> Unusual Sat-Mode:
>>
>> UpLink: *145.920* *FM*
>> DownLink: *4375.026* *USB* (!!!, yes it works as DSB (USB + LSB), but
>> I think
>> the audio is much better on USB)
>>
>> Enjoy it !
>>
>> 73, Mak SV1BSX
>>
>>
> Hello Mak
>
> Thanks for the info. As old packeteer I will miss the digipeating in
> Fuji-Mode, but this is also an interesting new mode to experiment.
>

>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
>
> Yahoo! Groups Links
>
>
>
>
>
> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 080118-0, 01/18/2008
> Tested on: 1/23/2008 12:13:27
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>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080118-0, 01/18/2008
Tested on: 1/23/2008 12:25:56
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http://www.avast.com

1213. Confused.

Yahoo group: eu-amsat
Date: 2008-01-23 21:24:16 UTC
From: John Hackett
Topic: 1213 Message: 1213

Hi Mak and group,
I'm confused ... (the problems of getting old).

AO-16 ... is this a packet satellite or is it voice ... or both ???.

I don't see any "beacon" frequency - does it not have a beacon ??.

If someone would kindly explain what modes are being used now, I'd appreciate it.

I know it "used" to be a packet satellite. Is it only FM up and USB down on voice now ??.

73 John. <la2qaa@...>

1214. Re: Confused.

Yahoo group: eu-amsat
Date: 2008-01-23 21:38:02 UTC
From: John Marranca, Jr
Topic: 1213 Message: 1214

John:

Yes, this used to be a PacSat, but in the letter that Drew Glasbrenner, KO4MA had written, he stated that there were parameters built into the satellites firmware that allowed BASIC mode changes. (Quoting Drew: One of these commands allows an uplink receiver to be directly tied to a downlink transmitter. The twist is that the uplink is regular FM but the downlink via the BPSK transmitter is DSB (Double Sideband)

The uplink is 145.920 MHz FM.
The downlink is 437.026 (+/-) SSB.

It works QUITE well. Very sensitive receiver. VE2DWE was working it at ONE WATT today on the 2045z pass...and I use no more then 5 watts from my FT-817ND for basically everything.

Good Luck, and 73

John KB2HSH

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi Mak and group,
> I'm confused ... (the problems of getting
old).
>
> AO-16 ... is this a packet satellite or is it voice ... or both ???.
>
> I don't see any "beacon" frequency - does it not have a beacon ??.
>
> If someone would kindly explain what modes are being used now, I'd
appreciate it.
>
> I know it "used" to be a packet satellite. Is it only FM up and USB
down on voice now ??.
>
> 73 John. <la2qaa@...>
>

1215. Re: [eu-amsat] Confused.

Yahoo group: eu-amsat
Date: 2008-01-23 22:13:48 UTC
From: SV1BSX
Topic: 1213 Message: 1215

Hi John,

no, at present time works as VOICE Sat (only).
I think that is for a test-period after the recovery of Satellite.

No Beacon. You need a stable (no Doppler correction) FM signal for Uplink (145.920) and SSB for Downlink, either USB or LSB because the Down-TX is DSB, but I think USB sounds better.
Your receiver must be tuned at 437.026 (USB) + - 10 KHz for Doppler.

Try that John, it's very sensitive and Powerful bird. Really BOOooooMING !

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: sv1bsx@...
Cc: Eu-amsat@yahoogroups.com
Sent: Wednesday, January 23, 2008 23:24
Subject: [eu-amsat] Confused.

Hi Mak and group,
I'm confused ... (the problems of getting old).

AO-16 ... is this a packet satellite or is it voice ... or both ???.

I don't see any "beacon" frequency - does it not have a beacon ??.

If someone would kindly explain what modes are being used now, I'd appreciate it.

I know it "used" to be a packet satellite. Is it only FM up and USB down on voice now ??.

73 John. <la2qaa@...>

---

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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080118-0, 01/18/2008
Tested on: 1/24/2008 0:13:55
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http://www.avast.com

1216. Re: Confused.

Yahoo group: eu-amsat
Date: 2008-01-24 05:36:15 UTC
From: Igor
Topic: 1213 Message: 1216

Hello, friends!
It really work! I have contact with IZ1ERR in this morning. Heard very strong!

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi John,
>
> no, at present time works as VOICE Sat (only).
> I think that is for a test-period after the recovery of Satellite.
>
> No Beacon. You need a stable (no Doppler correction) FM signal for Uplink (145.920)
> and SSB for Downlink, either USB or LSB because the Down-TX is DSB, but I think USB sounds
> better.
> Your receiver must be tuned at 437.026 (USB) + - 10 KHz for Doppler.
>
> Try that John, it's very sensitive and Powerful bird. Really BOOooooMING !
>
> 73, Mak SV1BSX
>
> ----- Original Message -----
> From: John Hackett
> To: sv1bsx@...
> Cc: Eu-amsat@yahoogroups.com
> Sent: Wednesday, January 23, 2008 23:24
> Subject: [eu-amsat] Confused.
>
>
> Hi Mak and group,
> I'm confused ... (the problems of getting old).
>
> AO-16 ... is this a packet satellite or is it voice ... or both ???.
>
> I don't see any "beacon" frequency - does it not have a beacon ??.
>
> If someone would kindly explain what modes are being used now, I'd appreciate it.
>
> I know it "used" to be a packet satellite. Is it only FM up and USB down on voice now ??.
>

> 73 John. <la2qaa@...>
>
>
>
>

>
> avast! Antivirus: Inbound message clean.
>
> Virus Database (VPS): 080118-0, 01/18/2008
> Tested on: 1/23/2008 23:42:46
> avast! - copyright (c) 1988-2008 ALWIL Software.
>
>
>
>
> ---
> avast! Antivirus: Outbound message clean.
> Virus Database (VPS): 080118-0, 01/18/2008
> Tested on: 1/24/2008 0:13:55
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>

1217. RE: [eu-amsat] Re: Confused.

Yahoo group: eu-amsat
Date: 2008-01-24 10:59:52 UTC
From: John Hackett
Topic: 1213 Message: 1217

John,
Your explanation was very much appreciated, thank you.

It is as I "read" it. FB John.

73 John ... <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: kb2hsh@...
Date: Wed, 23 Jan 2008 21:38:02 +0000
Subject: [eu-amsat] Re: Confused.

John:

Yes, this used to be a PacSat, but in the letter that Drew

Glasbrenner, KO4MA had written, he stated that there were parameters

built into the satellites firmware that allowed BASIC mode changes.

(Quoting Drew: One of these commands allows an uplink receiver to be

directly tied to a downlink transmitter. The twist is that the uplink is

regular FM but the downlink via the BPSK transmitter is DSB (Double

Sideband)

The uplink is 145.920 MHz FM.

The downlink is 437.026 (+/-) SSB.

It works QUITE well. Very sensitive receiver. VE2DWE was working it

at ONE WATT today on the 2045z pass...and I use no more then 5 watts

from my FT-817ND for basically everything.

Good Luck, and 73

John KB2HSH

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Hi Mak and group,

> I'm confused ... (the problems of getting

old).

>

> AO-16 ... is this a packet satellite or is it voice ... or both ???.

>

> I don't see any "beacon" frequency - does it not have a beacon ??.

>

> If someone would kindly explain what modes are being used now, I'd

appreciate it.

>

> I know it "used" to be a packet satellite. Is it only FM up and USB

down on voice now ??.

>

> 73 John. <la2qaa@...>

>

1218. A *BIG* thank you.

Yahoo group: eu-amsat
Date: 2008-01-24 11:04:24 UTC
From: John Hackett
Topic: 1218 Message: 1218

A *BIG* thank you to those who replied to my query re: AO-16.

Sounds like I'll finally have a use for my indoor arrow on a camera tripod + IC-E91 (D-star) handheld on regular FM ... (RX on a TR-851E) with InstantTUNE and InstantTRACK.

73 John. <la2qaa@...>

1219. AO-16 "Talk-thru"-satellite

Yahoo group: eu-amsat
Date: 2008-01-24 11:19:29 UTC
From: Thomas Frey
Topic: 1219 Message: 1219

Hello All

Here is the article of AO-16:
http://www.arrl.org/news/stories/2008/01/23/100/?nc=1

In my opinion AO-16 is not a Repeater. The uplink-signals in voice
or whatever are not processed. I mean it is technically a
"Talk-thru"-satellite now. What do you mean ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1220. Re: [eu-amsat] AO-16 "Talk-thru"-satellite

Yahoo group: eu-amsat
Date: 2008-01-24 11:56:15 UTC
From: SV1BSX
Topic: 1219 Message: 1220

>
> In my opinion AO-16 is not a Repeater. The uplink-signals in voice
> or whatever are not processed.
>
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA

Hi Thomas & Group,

I agree with you Thomas. The downlink audio has
unusual "fluctuation", is going stronger and stronger and stronger,
but extremely strong at the peaking, and then droping-down.

I think, the fluctuation following the Uplink fading, however
this Peaking of audio is unusual strong for Satellite Downlink.
I think that happens because as you said above:

" The uplink-signals in voice or whatever are not processed".

Probably you are right - there is nothing here, like an AGC
(Automatic Gain Control) in order to prevent the strong signals,
trying to keep the audio as stable as possible.

And really I wondering if that is good for AO-16's batteries.

But I'm surprised with this "baby" !

Just a cube 22cm, 17 years old and is still in excellent shape and....
BOOOoooming !

Why the rest Amateur Satellites are not like this "baby"?

I wondering....

73, Mak SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080118-0, 01/18/2008
Tested on: 1/24/2008 13:56:19
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http://www.avast.com

1221. Re: [eu-amsat] AO-16 "Talk-thru"-satellite

Yahoo group: eu-amsat
Date: 2008-01-24 12:10:23 UTC
From: Thomas Frey
Topic: 1219 Message: 1221

SV1BSX schrieb:
>> In my opinion AO-16 is not a Repeater. The uplink-signals in voice
>> or whatever are not processed.
>>
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>>
>
>
> Hi Thomas & Group,
>
> I agree with you Thomas. The downlink audio has
> unusual "fluctuation", is going stronger and stronger and stronger,
> but extremely strong at the peaking, and then droping-down.
>
> I think, the fluctuation following the Uplink fading, however
> this Peaking of audio is unusual strong for Satellite Downlink.
> I think that happens because as you said above:
>
> " The uplink-signals in voice or whatever are not processed".
>
> Probably you are right - there is nothing here, like an AGC
> (Automatic Gain Control) in order to prevent the strong signals,
> trying to keep the audio as stable as possible.
>

And also no DSP

> And really I wondering if that is good for AO-16's batteries.
>
> But I'm surprised with this "baby" !
>
> Just a cube 22cm, 17 years old and is still in excellent shape and....
> BOOOoooming !
>
>

It's not a Cube, it's a Microsat-class satellite

> Why the rest Amateur Satellites are not like this "baby"?
>
> I wondering....
>
> 73, Mak SV1BSX
>

>
>
>
Other satellites with other techniques inside. Let us experiment
with satellites which we have.

Mit freundlichen Gru"ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1222. N3TE / AO-7 Log

Yahoo group: eu-amsat
Date: 2008-01-24 17:11:15 UTC
From: SV1BSX
Topic: 1222 Message: 1222

Congrat's to Steve, N3TE !

He is the 3rd US-station and the 9th WorldWide which
reached the "1000 points" on AO-7's Online LogBook.

http://www.planetemily.com/ao7/userStats.php

Well done !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080123-2, 01/23/2008
Tested on: 1/24/2008 19:11:23
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http://www.avast.com

1223. A mockery.

Yahoo group: eu-amsat
Date: 2008-01-24 18:16:49 UTC
From: John Hackett
Topic: 1223 Message: 1223

For those that follow the AO-7 log. As I've mentioned several times before.

On the 23rd January JH3XCU/1 was registered with 978 points - (no QSO's).

Today, the 24th January after logging at 09:49 on orbit 51880 - (no QSO) - he is registered with 991 points.

Like the Americans say ... "go figure".

One day, no QSO, 13 points ... not bad going !! ... It kind of overshadows the "genuine" reports.

73 John. <la2qaa@...>

1224. Happy as a pig in sh*t.

Yahoo group: eu-amsat
Date: 2008-01-25 10:28:34 UTC
From: John Hackett
Topic: 1224 Message: 1224

Hello Folks,
Finally !!, I have a use for my IC-E91 D-star handheld.

(probably no D-star repeaters in 'NOG' for the next 1000 years and AO-27, the D-star satellite is never switched on over Norway).

I am of course talking about the resurrection of AO-16.

OK, it's FM up, single user to boot, but it's saving grace is the DSB signal on the downlink and hey !!, a single user 'voice' sat is better than a dead Pacsat.

It also exhibits a nice carrier so that it can be tracked with Itune for auto doppler.

The set up ihere was an IC-E91 with a *MASSIVE* 3 watts on the uplink and an ancient TR-851E multimode for the downlink.

I was *NOT* using my normal outdoor aerials but decided to "test" things using an "INDOOR" Arrow aerial in a ground floor flat - through the walls ... with no preamp.

No problem copying Russian stations at 2 degrees elevation.

(Mountains ? ... in Norway ?? ... GERROFF !!!).

This will no doubt ensure that "certain" across-the-pond stations will find it necessary to use 80 watts to a BRICK amp - like they claim to need, to work AO-7.

Seems like 'Im getting to be a dab hand at working "deceased" and resurrected satellites.

The last time I worked AO-16 was on packet with PB & PG in 1991

Thanks to "Smithy" for having the foresight to add the simple command that turned an otherwise useless piece of spacejunk back into a workable satellite.

This latest "command sequence" must certainly be an excellent design criteria for future Amsat satellites?.

73 John. <la2qaa@...>

1225. Welcome

Yahoo group: eu-amsat
Date: 2008-01-27 05:22:23 UTC
From: John Hackett
Topic: 1225 Message: 1225

I'd like to extend a hearty welcome to Andrea IN3HEZ to the group.

73 John. <la2qaa@...>

1226. Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-27 10:29:03 UTC
From: wk73ch
Topic: 1226 Message: 1226

I would like to ask the group to comment my station setup, because I am plagued with a very noisy 10 meter band where the signals from AO-7 are often buried, so that I have more or less to creep into the speaker, to hear the responding ham. I have studied all available info (observations ... et al) and probably oversee something.

I use a titanex vertical antenna GP40/10, which does a good job for normal 40 to 10 m QSO's. The 'receiver' is my trusty FT1000. I have no preamplifier.

My noise problem is probably QRN, because it is stronger in the afternoon and night. I remember, having heard my CW-CQ quite clearly early in the morning (no takers, then ;-)).

Thanks for any hint

73
Werner, HB9BNK

1227. Re: [eu-amsat] Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-27 12:15:13 UTC
From: Thomas Frey
Topic: 1226 Message: 1227

wk73ch schrieb:
> I would like to ask the group to comment my station setup, because I
> am plagued with a very noisy 10 meter band where the signals from AO-7
> are often buried, so that I have more or less to creep into the
> speaker, to hear the responding ham. I have studied all available info
> (observations ... et al) and probably oversee something.
>
Hallo Werner

Take a headphone to listen instead to creep into the speaker. ;-)

> I use a titanex vertical antenna GP40/10, which does a good job for
> normal 40 to 10 m QSO's. The 'receiver' is my trusty FT1000. I have no
> preamplifier.
>
As you say, your setup is good for terrestrial QSO's. But for Mode-A
satellites you need another antenna. The radiation pattern from your
Vertical is too flat, good for terrestrial DX. I use a 1/2-wave-dipole
mounted as inverted-V with good results. also for DX in the 10m-Band.
Yesterday I had my 3rd Phone-QSO with IW6OVD via AO-7.

> My noise problem is probably QRN, because it is stronger in the
> afternoon and night. I remember, having heard my CW-CQ quite clearly
> early in the morning (no takers, then ;-)).
>
> Thanks for any hint
>
> 73
> Werner, HB9BNK
>
>
>
>
>

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1228. Top !

Yahoo group: eu-amsat
Date: 2008-01-27 16:30:08 UTC
From: SV1BSX
Topic: 1228 Message: 1228

Congrat's to Joe, K3SZH for ... 5000 points (!) on Emily's AO-7 Online LogBook.

http://www.planetemily.com/ao7/userStats.php

BINGO Joe !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/27/2008 18:30:12
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1229. RE: [eu-amsat] Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-27 17:15:14 UTC
From: John Hackett
Topic: 1226 Message: 1229

Werner,
I suggest you change your RX aerial to a full wavelength horizontal loop mounted somewhere between a quarter wavelength and a half wavelength over the ground.

Even if you don't have any trees, at a pinch, you can mount it "sloping" from the eves of your roof ... use nylon lone as "spacers"

Each side of the loop is 505cm. The nominal feedpoint impedance is in the region of 100 ohm so if you want to be a perfectionist you can use a quarter wavelength of 75 ohm coax (Q-match) to match to 50 ohm line. Directly feeding the aerial with 72 ohm line will give a SWR of 1.6:1 which is perfectly acceptible at 10m.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hb9bnk@...
Date: Sun, 27 Jan 2008 10:29:03 +0000
Subject: [eu-amsat] Konfiguration for AO-7 Mode A

I would like to ask the group to comment my station setup, because I

am plagued with a very noisy 10 meter band where the signals from AO-7

are often buried, so that I have more or less to creep into the

speaker, to hear the responding ham. I have studied all available info

(observations ... et al) and probably oversee something.

I use a titanex vertical antenna GP40/10, which does a good job for

normal 40 to 10 m QSO's. The 'receiver' is my trusty FT1000. I have no

preamplifier.

My noise problem is probably QRN, because it is stronger in the

afternoon and night. I remember, having heard my CW-CQ quite clearly

early in the morning (no takers, then ;-)).

Thanks for any hint

73

Werner, HB9BNK

1230. Re: [amsat-bb] satellite chatroom

Yahoo group: eu-amsat
Date: 2008-01-28 00:31:17 UTC
From: SV1BSX
Topic: 1230 Message: 1230

Hi Piero,

yes I remember this chat-room, it was Super!
However, after the close-down of KST chat-room, I created a new one
(before about 2 years).

Well, you would not believe it but, it was active just for about 1-2
months and then.....

without users! ! !

So, I don't blame the KST.

73, Mak SV1BSX

PS: BTW my chat-room is still active. I am using that now for chat with
my .... friends ...!

----- Original Message -----
From: <pcalvi@...>
To: <amsat-bb@...>
Sent: Monday, January 28, 2008 0:16
Subject: [amsat-bb] satellite chatroom

> Hello everybody.
>
> Some of you may remember that the satellite chatroom on ON4KST.info
> enjoyed some popularity during LEO evening passes in Europe. "Some"
> was not enough for the SysOp, though, and the chat was closed for
> alleged lack of activity. It was a shame, because I remember a small
> but very friendly group gathering there.
>
> Now I stumbled on another similar thing - perhaps less cutting-edge
> that KST - but apparently very functional, run by a group of
> Brazilian enthusiasts.
>
> The address is http://www.satfm.org/chat/
>
> Hope to see you there at some stage.
>
> 73 Piero HB9DSU
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

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>
>
> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 080127-0, 01/27/2008
> Tested on: 1/28/2008 2:11:53
> avast! - copyright (c) 1988-2008 ALWIL Software.
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>

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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/28/2008 2:31:21
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```

1231. Correction !!!.

Yahoo group: eu-amsat
Date: 2008-01-28 10:29:57 UTC
From: John Hackett
Topic: 1231 Message: 1231

>505cm on each side of a square loop is 2 x wavelenths.

Of course !!! it is Mak ... I told you ... I'm getting SENILE in my old age. The length of each side should of course be 250.25cm for a full wavelength loop.

Otherwise, the dimensions were correct.

73 John. <la2qaa@...>

From: sv1bsx@...
To: la2qaa@...
Subject: Re: [eu-amsat] Konfiguration for AO-7 Mode A
Date: Mon, 28 Jan 2008 01:32:55 +0200

John,

are you mean "Square Loop" with 505 cm each
side? that is 2 wavelength Loop...

73, Mak

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Sent: Sunday, January 27, 2008
19:15
Subject: RE: [eu-amsat] Konfiguration for
AO-7 Mode A

Werner,

I suggest you change your RX aerial to a full wavelength horizontal loop
mounted somewhere between a quarter wavelength and a half wavelength over the
ground.

Even if you don't have any trees, at a pinch, you can mount it
"sloping" from the eves of your roof ... use nylon lone as
"spacers"

Each side of the loop is 505cm. The nominal feedpoint
impedance is in the region of 100 ohm so if you want to be a
perfectionist you can use a quarter wavelength of 75 ohm coax (Q-match) to
match to 50 ohm line. Directly feeding the aerial with 72 ohm line will give a
SWR of 1.6:1 which is perfectly acceptible at 10m.

73 John.
<la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hb9bnk@...
Date: Sun, 27 Jan
2008 10:29:03 +0000
Subject: [eu-amsat] Konfiguration for AO-7 Mode
A

I would like to ask the group to comment my station
setup, because I
am plagued with a very noisy 10 meter band where the
signals from AO-7
are often buried, so that I have more or less to creep
into the
speaker, to hear the responding ham. I have studied all
available info
(observations ... et al) and probably oversee
something.

I use a titanex vertical antenna GP40/10, which does a
good job for
normal 40 to 10 m QSO's. The 'receiver' is my trusty FT1000.
I have no
preamplifier.

My noise problem is probably QRN, because
it is stronger in the
afternoon and night. I remember, having heard my
CW-CQ quite clearly
early in the morning (no takers, then ;-)
).

Thanks for any hint

73
Werner,
HB9BNK

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Antivirus: Inbound message clean.
Virus Database (VPS): 080127-0,
01/27/2008
Tested on: 1/28/2008 0:34:44
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Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/28/2008 1:32:59
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1232. Re: [eu-amsat] Correction !!!.

Yahoo group: eu-amsat
Date: 2008-01-28 13:39:59 UTC
From: SV1BSX
Topic: 1231 Message: 1232

...OK John (he he), it happens that also to me even if I am still.... young !!! (Am I really ???)

"We are people - we make mistakes" (or, as a friend of mine said: "we are mistakes and we make.. peoples" !!!).

Well, your suggestion about a "Square Loop" is good.

I was thinking the same problem with AO-7/A reception several times. Well, another solution it might be a
small Magetic-Loop. It has about 70 cm diameter for 10m Band, and we know that is extremely good for reception
on a narrow zone. Because the activity of AO-7's Downlink on Mode-A take place on 29.450 + - 5 KHz,
I think this very sharp-tuned Loop it should be not a problem for the Satellite.

On the other hand, a similar Loop is possible to place it into the crossboom,
"side-by-side" with Uplink's VHF-aerial.
Thus, it could be possible to follow the Satellite's orbit on AZ-EL, in order to minimize the "null - effect"
which happens with the "stable" aerials - like Dipoles, Loops etc.

I can't imagine something better for 29.45 MHz in order to follow the Satellite's orbit on Mode-A. The next solution
is a mini-Beam for 10 m Band, but that is a... "monster" compared with a
Mini-Magnetic-Loop.

And a few words about MODE-A reception. The majority of Hams have problems with this Downlink
Band and really, I can't understand why !

Personally I use an... "ancient" radio as receiver (Yaesu FRG 7000), which is a little-bit "deaf" on 10 m. I've made
just a simple pre-amp in order to improve the RX-sensitivity on this Band. My aerial is an old "Windom".

Even if I have this simple gear, I can hear *almost* anything through AO-7 / Mode-A. But I was looking for
the best result, by trying various arrangements again & again, for several weeks.

Now, every afternoon I have QSOs with F3ZD. Just the same with F2IL. I remember during the last days many
others like IK0DPX, DJ1TU, UA9CS, LY2BJ, HB9BNK. Yesterday I heard loud & clear: HB9SKA .
The last days with SW1JGW, Demetre, which uses just a .. CB Vertical aerial and his FT-847.
Demetre has been involved with Sats during the last month. Before 1-2 days he made a QSO with IW6OVD
on Mode-A, for first time with a foreign station on this Mode !

So I can not understand why the Mode-A is NOT very popular in Europe. It is not difficult. Just you need some
experimentation with aerials, receiver, etc. In other words, some work & skill with Hobby.

Gentlemen, the "Amateur Radio" is not just a QSO by using "commercial" equipments.

Sometimes that is not enough.

Sometimes we need to take in our hands a... solder-iron. You need to make a Loop, or a mini-Loop, or
a pre-amp... You need to experiment with all these and more... .

That is the real Ham-radio.

Otherwise, the Mode-A will be NEVER readable on your Ears.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: SV1BSX
Cc: Eu-amsat@yahoogroups.com
Sent: Monday, January 28, 2008 12:29
Subject: [eu-amsat] Correction !!!.

>505cm on each side of a square loop is 2 x wavelenths.

Of course !!! it is Mak ... I told you ... I'm getting SENILE in my old age. The length of each side should of course be 250.25cm for a full wavelength loop.

Otherwise, the dimensions were correct.

73 John. <la2qaa@...>

From: sv1bsx@yahoo.gr
To: la2qaa@...
Subject: Re: [eu-amsat] Konfiguration for AO-7 Mode A
Date: Mon, 28 Jan 2008 01:32:55 +0200

John,

are you mean "Square Loop" with 505 cm each side? that is 2 wavelength Loop...

73, Mak
----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Sunday, January 27, 2008 19:15
Subject: RE: [eu-amsat] Konfiguration for AO-7 Mode A

Werner,
I suggest you change your RX aerial to a full wavelength horizontal loop mounted somewhere between a quarter wavelength and a half wavelength over the ground.

Even if you don't have any trees, at a pinch, you can mount it "sloping" from the eves of your roof ... use nylon lone as "spacers"

Each side of the loop is 505cm. The nominal feedpoint impedance is in the region of 100 ohm so if you want to be a perfectionist you can use a quarter wavelength of 75 ohm coax (Q-match) to match to 50 ohm line. Directly feeding the aerial with 72 ohm line will give a SWR of 1.6:1 which is perfectly acceptible at 10m.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hb9bnk@...
Date: Sun, 27 Jan 2008 10:29:03 +0000
Subject: [eu-amsat] Konfiguration for AO-7 Mode A

I would like to ask the group to comment my station setup, because I am plagued with a very noisy 10 meter band where the signals from AO-7 are often buried, so that I have more or less to creep into the speaker, to hear the responding ham. I have studied all available info (observations ... et al) and probably oversee something.

I use a titanex vertical antenna GP40/10, which does a good job for normal 40 to 10 m QSO's. The 'receiver' is my trusty FT1000. I have no preamplifier.

My noise problem is probably QRN, because it is stronger in the afternoon and night. I remember, having heard my CW-CQ quite clearly early in the morning (no takers, then ;-)).

Thanks for any hint

73
Werner, HB9BNK

---

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Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/28/2008 1:32:59
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---

avast! Antivirus: Inbound message clean.

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Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/28/2008 12:53:07
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---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080127-0, 01/27/2008
Tested on: 1/28/2008 15:40:05
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http://www.avast.com
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1233. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-28 16:37:15 UTC
From: wk73ch
Topic: 1226 Message: 1233

Thank you for your advices for a better antenna !

I have already started with the inverted V, but today I could not hear anyone on AO-7 Mode A (on either antenna) and now my 'receiver' FT-1000 refuses to turn the main dial. So, this is probably going to take a little more time.

I will come back to report my success as soon as it works.

73
Werner, HB9BNK

1234. Re: [eu-amsat] Correction !!!.

Yahoo group: eu-amsat
Date: 2008-01-28 17:20:15 UTC
From: Thomas Frey
Topic: 1231 Message: 1234

SV1BSX schrieb:
> Now, every afternoon I have QSOs with F3ZD. Just the same with F2IL. I
> remember during the last days many
> others like IK0DPX, DJ1TU, UA9CS, LY2BJ, HB9BNK. Yesterday I heard
> loud & clear: HB9SKA .
> The last days with SW1JGW, Demetre, which uses just a .. CB Vertical
> aerial and his FT-847.
> Demetre has been involved with Sats during the last month. Before 1-2
> days he made a QSO with IW6OVD
> on Mode-A, for first time with a foreign station on this Mode !
Hello Mak

I was at Saturday via Mode-A active and worked also IW6OVD in phone (USB).
I'm not a CWist.

> So I can not understand why the Mode-A is NOT very popular in Europe.
> It is not difficult. Just you need some
> experimentation with aerials, receiver, etc. In other words, some work
> & skill with Hobby.
> Gentlemen, the "Amateur Radio" is not just a QSO by using "commercial"
> equipments.
> Sometimes that is not enough.
> Sometimes we need to take in our hands a... solder-iron. You need to
> make a Loop, or a mini-Loop, or
> a pre-amp... You need to experiment with all these and more... .
> That is the real Ham-radio.
> Otherwise, the Mode-A will be NEVER readable on your Ears.
> 73, Mak SV1BSX
I fully agree for the rest. But not all HAMs has the place to
experiment with HF-antennas. I'm happy to have many space under
my roof. A magnetic loop will be a good idea on a balcony.

The rest is experimentation as you said.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1235. Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-28 18:56:23 UTC
From: Luc Leblanc
Topic: 1226 Message: 1235

On 28 Jan 2008 at 16:37, wk73ch wrote:

> Thank you for your advices for a better antenna !
>
> I have already started with the inverted V, but today I could not hear
> anyone on AO-7 Mode A (on either antenna) and now my 'receiver'
> FT-1000 refuses to turn the main dial. So, this is probably going to
> take a little more time.
>
> I will come back to report my success as soon as it works.
>
> 73
> Werner, HB9BNK
>
>
>

I dust off my HF ham department as AO-7 was in mode A this morning. I was using a linear loaded dipole 42 mtrs long at 15 mtrs high in an
inverted Vee configuration with an antenna tuner. I was able to copy my downlink with a 51 52 report at the max but not enough to be able
to have a QSO probably i will better off on CW.

I remember when AO-07 resurrects signal on Mode B and mode A where much more stronger is it possible the overall performance decrease since
that time?

I don't know if a loop will beat my dipole? any advices from the experts?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1236. A considerate operating practice on FM (one channel)satellites, Europe

Yahoo group: eu-amsat
Date: 2008-01-28 20:54:38 UTC
From: SV1BSX
Topic: 1236 Message: 1236

Hi all,
This is a short version of an article I wrote in
2000 about using FM (single channel) satellites.

The reason for using bandwidth for it is that I
listened to AO-16 at the pass with AOS at 1621 UTC here
from Copenhagen. It was awful - but unfortunately
just a repetition of what has been going on for
the last couple of month on other FM satellites.

I do not think anyone made a real QSO. One particular radio
amateur counted 1 - 2 - 3 - 4 over most of the pass ??

Short version:
The golden rule - do not transmit if you can not hear the downlink.

Calling "CQ satellite" 3 - 4 or more times and give the call
and the full locator at the same time is non-productive.
It simply takes too long time. Experienced operators easily pick
out new stations using a short CQ call.
It is not really necessary to call CQ - just give your call.

Considerate operating practice allows a QSO to finish.
Many operators on the FM satellites do not adhere to this.
You very often find a station calling on top of a running QSO,
which makes the QSO take much longer time than necessary.
Often it is because the QSO takes a long time, which leads
to the next "rule".

Make the QSO short when the satellite is busy. Valid QSO's
just need to exchange calls and signal report. That is it.
You do not need locator or operator name. If there is very
little traffic OK go ahead and talk about anything - but not
when the satellite is busy.

Here in Europe we also have the habit of asking for the full lokator.
I have tried to avoid that, but I have failed in this respect.
For a terrestrial QSO or in a contest you need the full lokator -
but not for a satellite QSO.

A considerate operator will make one QSO per pass. If you are an
experienced operator, who has made a lot of contacts before -
limit your contacts to new stations.

Do not use the FM satellites to elaborate on the weather situation
in your local area, when the satellite is busy.

Give priority to portable and mobile stations if they can hear the satellite.

Give DX stations (rare calls) a chance to get through. I have witnessed JW stations being "drowned" by local QSO's.

Look at your satellite tracking program in order to avoid calling stations that are out of the footprint.

If someone is really annoying - don't try to block their signal - try to send them an e-mail especially if they are from your own country.

Also respect if people want to use their own native language. It is perfectly OK to talk Danish, German or any other language, as long as they do not carry on for many minutes.

AND no - I do not want to be a policeman on the satellites :-)
AND please no flames.

73 OZ1MY
Ib

---
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1237. Re: [eu-amsat] A considerate operating practice on FM (one channel)satellites, Europe

Yahoo group: eu-amsat
Date: 2008-01-28 21:09:05 UTC
From: SV1BSX
Topic: 1236 Message: 1237

Oups !....I am very sorry for my omitting on the following (previous) FORWARDed
message, but the writer is:

OZ1MY, Ib

...(and not me - as its obvious from the signature. Just I ForWarDed the message)

I apologize again to OZ1MY for my omitting.

73 de Mak, SV1BSX

----- Original Message -----
From: "SV1BSX" <sv1bsx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, January 28, 2008 22:54
Subject: [eu-amsat] A considerate operating practice on FM (one channel)satellites, Europe

>
> Hi all,
> This is a short version of an article I wrote in
> 2000 about using FM (single channel) satellites.
>
> The reason for using bandwidth for it is that I
> listened to AO-16 at the pass with AOS at 1621 UTC here
> from Copenhagen. It was awful - but unfortunately
> just a repetition of what has been going on for
> the last couple of month on other FM satellites.
>
> I do not think anyone made a real QSO. One particular radio
> amateur counted 1 - 2 - 3 - 4 over most of the pass ??
>
> Short version:
> The golden rule - do not transmit if you can not hear the downlink.
>
> Calling "CQ satellite" 3 - 4 or more times and give the call
> and the full locator at the same time is non-productive.
> It simply takes too long time. Experienced operators easily pick
> out new stations using a short CQ call.
> It is not really necessary to call CQ - just give your call.
>
> Considerate operating practice allows a QSO to finish.
> Many operators on the FM satellites do not adhere to this.

> You very often find a station calling on top of a running QSO,
> which makes the QSO take much longer time than necessary.
> Often it is because the QSO takes a long time, which leads
> to the next "rule".
>
> Make the QSO short when the satellite is busy. Valid QSO's
> just need to exchange calls and signal report. That is it.
> You do not need locator or operator name. If there is very
> little traffic OK go ahead and talk about anything - but not
> when the satellite is busy.
>
> Here in Europe we also have the habit of asking for the full lokator.
> I have tried to avoid that, but I have failed in this respect.
> For a terrestrial QSO or in a contest you need the full lokator -
> but not for a satellite QSO.
>
> A considerate operator will make one QSO per pass. If you are an
> experienced operator, who has made a lot of contacts before -
> limit your contacts to new stations.
>
> Do not use the FM satellites to elaborate on the weather situation
> in your local area, when the satellite is busy.
>
> Give priority to portable and mobile stations if they can hear the
> satellite.
>
> Give DX stations (rare calls) a chance to get through. I have witnessed
> JW stations being "drowned" by local QSO's.
>
> Look at your satellite tracking program in order to avoid calling stations
> that are out of the footprint.
>
> If someone is really annoying - don't try to block their signal - try
> to send them an e-mail especially if they are from your own country.
>
> Also respect if people want to use their own native language. It is
> perfectly OK to talk Danish, German or any other language, as long as they
> do not carry on for many minutes.
>
> AND no - I do not want to be a policeman on the satellites :-)
> AND please no flames.
>
> 73 OZ1MY
> Ib
>
>
>
> ---
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1238. Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-28 23:43:43 UTC
From: Thomas Frey
Topic: 1226 Message: 1238

Luc Leblanc schrieb:
> On 28 Jan 2008 at 16:37, wk73ch wrote:
>
>
>> Thank you for your advices for a better antenna !
>>
>> I have already started with the inverted V, but today I could not hear
>> anyone on AO-7 Mode A (on either antenna) and now my 'receiver'
>> FT-1000 refuses to turn the main dial. So, this is probably going to
>> take a little more time.
>>
>> I will come back to report my success as soon as it works.
>>
>> 73
>> Werner, HB9BNK
>>
>>
>>
>>
> I dust off my HF ham department as AO-7 was in mode A this morning. I was using a linear loaded dipole 42 mtrs long at 15 mtrs high in an
> inverted Vee configuration with an antenna tuner. I was able to copy my downlink with a 51 52 report at the max but not enough to be able
> to have a QSO probably i will better off on CW.
>
> I remember when AO-07 resurrects signal on Mode B and mode A where much more stronger is it possible the overall performance decrease since
> that time?
>
Hi Luc, No, the signals are changeably. Last Saturday they was strong and
clear, ideal for a SSB-QSO. I have to add, I'm only QRV during the weekends
and observe only Mode-A since the 2m-beacon has failed.

> I don't know if a loop will beat my dipole? any advices from the experts?
>
I have good results with my 1/2-wave-dipole mounted as inverted-V without
preamp.

> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1239. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-29 00:25:57 UTC
From: SV1BSX
Topic: 1226 Message: 1239

Hi Luc,

don't give-up if your morning pass was very weak. That is usual.

AO-7 on Mode-A significantly changes between the orbits.
Sometimes the Downlink signals are good, some other times weak
(or unreadable).

Today afternoon for example, the East-pass close to my QTH was "SUPER". My
return-voice on Downlink was Loud & Clear.
Unfortunatelly I was ....me and ..the Satellite (like the old song... "me and
Mrs Jones")!

The next pass was completely different, absolutely ...terrible, very very
weak ! By using the same antenna, the same receiver, all just the same.
Even if the Elevation was about the same with the previous pass.
But even if the pass was bad, I made a QSO with F3ZD ! On CW of course.
It's strange but true.

Therefore, the Mode-A is quite unstable. So, pse try again & again in order to
listen the Satellite. May be tomorrow you have a nice pass, with good signal on
Downlink and thus you will have the opportunity for a QSO with some other Ham. If the
Downlink is good, then it is possible to make QSOs on SSB. With simple antennas.

In addition pse keep in mind:

it is very difficult for me to listen the Satellite below of 15-20 degrees (sometimes
higher).
I believe for that is responsible my Windom antenna. On HF, if you have not a Yagi,
the Beam-angle is quite High by using "wires". So, it is not right to looking for the
"Super-Duper" QSO "across the pond" when the "Old-girl" (aka AO-7) uses the Mode-A.

Another point:
I'm starting always by tuning my receiver on 29.449 - 29.454. All activity take place at
this point of PassBand. With my receiver i.e. on 29.452, I send CW beginning
from 145.895 (Uplink) and by increasing my Uplink Frequency slowly, carefully & smoothly -
I 'm looking for my return-signal on Downlink.
If I have not result, I'm starting again from 145.895, looking *always* for my
return-signal
on 29.452. If the Satellite is in my range, by using this method I have 95% access.

Good luck / Mode-A !

73, Mak SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <eu-amsat@yahoogroups.com>

Sent: Monday, January 28, 2008 20:56
Subject: Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A

> On 28 Jan 2008 at 16:37, wk73ch wrote:
>
>> Thank you for your advices for a better antenna !
>>
>> I have already started with the inverted V, but today I could not hear
>> anyone on AO-7 Mode A (on either antenna) and now my 'receiver'
>> FT-1000 refuses to turn the main dial. So, this is probably going to
>> take a little more time.
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>> I will come back to report my success as soon as it works.
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>> 73
>> Werner, HB9BNK
>>
>>
>>
> I dust off my HF ham department as AO-7 was in mode A this morning. I was
> using a linear loaded dipole 42 mtrs long at 15 mtrs high in an
> inverted Vee configuration with an antenna tuner. I was able to copy my
> downlink with a 51 52 report at the max but not enough to be able
> to have a QSO probably i will better off on CW.
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> I remember when AO-07 resurrects signal on Mode B and mode A where much
> more stronger is it possible the overall performance decrease since
> that time?
>
> I don't know if a loop will beat my dipole? any advices from the experts?
>
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>

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1240. Aerials & propagation.

Yahoo group: eu-amsat
Date: 2008-01-29 09:04:44 UTC
From: John Hackett
Topic: 1240 Message: 1240

Al,
Chuck this on Observations.

73 John.
.....
..

AO-7 mode-A notes.

Do please remember that the propagation does not *STOP* at 30Mhz. Satellite signals *ARE* affected by the propagation, though sometimes in quite a different way than on the lower HF frequencies.

At VHF, scintillation and Faraday rotation are the main culprits. Presumably, one already knows about the idiosyncracies of the propagation at the higher end of the HF part of the spectrum
(mode-A downlink).

A *DEFINATE* advantage in mode-A operating is having the ability to change the polarisation though due to size this isn't as easy as it is at VHF. You can also try changing your polarisation at VHF ... I'm talking about the difference between horizontal and vertical ... for LEO's I wouldn't even bother with circular ... that is my personal opinion ... (mucho experience on the Royal Signals test range at Warminster, Wiltshire in the 1960's ... the principles remain the same in 2008).

Do !! remember that the propagation at any given time is probably *NOT* necessarily the same at your location and at the station you're working's location. 200 miles (or more) in distance can show dramatically different propagation anomolies ... yes, honest !!.

Also ... remember that the signal is traversing the ionosphere TWICE !!.

When I recommended a full wavelength loop I did so because it is the simplest general purpose RX aerial for 10m. If you want a "dedicated" mode-A aerial, a 10m mini beam is the best option.

There's an Irish Ham's website with an excellent design but unfortunately, I can't remember the URL. A SPIDERQUAD design with a couple of bamboo poles is to be recommended. (use your browser to find a few designs).

As Mak SV1BSX commented, a compromise would be a small magnetic loop ... though in most cases, I wouldn't recommend compromise fort AO-7's mode-A downlink.

73 John. <la2qaa@...>

1241. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-01-29 10:30:48 UTC
From: wk73ch
Topic: 1226 Message: 1241

Hi Mak,

I found your description of evaluation of the current AO-7 status very informative, I will try it also.

Thanks !

73,
Werner, HB9BNK

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi Luc,
>
> don't give-up if your morning pass was very weak. That is usual.
>
> AO-7 on Mode-A significantly changes between the orbits.
> Sometimes the Downlink signals are good, some other times weak
> (or unreadable).
>
> Today afternoon for example, the East-pass close to my QTH was "SUPER". My
> return-voice on Downlink was Loud & Clear.
> Unfortunatelly I was ....me and ..the Satellite (like the old song... "me and
> Mrs Jones")!
>
> The next pass was completely different, absolutely ...terrible, very very
> weak ! By using the same antenna, the same receiver, all just the same.
> Even if the Elevation was about the same with the previous pass.
> But even if the pass was bad, I made a QSO with F3ZD ! On CW of course.
> It's strange but true.
>
> Therefore, the Mode-A is quite unstable. So, pse try again & again in order to
> listen the Satellite. May be tomorrow you have a nice pass, with good signal on
> Downlink and thus you will have the opportunity for a QSO with some other Ham. If the
> Downlink is good, then it is possible to make QSOs on SSB. With simple antennas.
>
> In addition pse keep in mind:

>
> it is very difficult for me to listen the Satellite below of 15-20
degrees (sometimes higher).
> I believe for that is responsible my Windom antenna. On HF, if you
have not a Yagi,
> the Beam-angle is quite High by using "wires". So, it is not right
to looking for the
> "Super-Duper" QSO "across the pond" when the "Old-girl" (aka AO-7)
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> Another point:
> I'm starting always by tuning my receiver on 29.449 - 29.454. All
activity take place at
> this point of PassBand. With my receiver i.e. on 29.452, I send CW
beginning
> from 145.895 (Uplink) and by increasing my Uplink Frequency slowly,
carefully & smoothly -
> I 'm looking for my return-signal on Downlink.
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always for my return-signal
> on 29.452. If the Satellite is in my range, by using this method I
have 95% access.
>
> Good luck / Mode-A !
>
> 73, Mak SV1BSX
>
>
>
> ----- Original Message -----
> From: "Luc Leblanc" <lucleblanc6@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Monday, January 28, 2008 20:56
> Subject: Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A
>
>
> > On 28 Jan 2008 at 16:37, wk73ch wrote:
> >
> >> Thank you for your advices for a better antenna !
> >>
> >> I have already started with the inverted V, but today I could not
hear
> >> anyone on AO-7 Mode A (on either antenna) and now my 'receiver'
> >> FT-1000 refuses to turn the main dial. So, this is probably going to
> >> take a little more time.
> >>
> >> I will come back to report my success as soon as it works.
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> >> 73
> >> Werner, HB9BNK

> >>
> >>
> >>
> > I dust off my HF ham department as AO-7 was in mode A this
morning. I was
> > using a linear loaded dipole 42 mtrs long at 15 mtrs high in an
> > inverted Vee configuration with an antenna tuner. I was able to
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> > downlink with a 51 52 report at the max but not enough to be able
> > to have a QSO probably i will better off on CW.
> >
> > I remember when AO-07 resurrects signal on Mode B and mode A where
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> > more stronger is it possible the overall performance decrease since
> > that time?
> >
> > I don't know if a loop will beat my dipole? any advices from the
experts?
> >
> > "-"
> >
> > Luc Leblanc VE2DWE
> > Skype VE2DWE
> > www.qsl.net/ve2dwe
> > WAC BASIC CW PHONE SATELLITE
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1242. Delfi C-3

Yahoo group: eu-amsat
Date: 2008-01-31 16:11:40 UTC
From: Luc Leblanc
Topic: 1242 Message: 1242

The countdown clock is at -32 days and i cannot find any decoding software on their site? It will be a good thing if they want to have
amateur stations to decode the telemetry to make their software available a couple of weeks before the launch in a way to be able to play
with it a bit before starting to decode

Bugs, problems, incompatibility with OS "VISTA"... and so on will be better solved right now rather than the day before launch!

Radio Amateur section

Delfi-C3 will have a downlink in the amateur satellite segment of the VHF amateur radio frequency band. Telemetry decoding software will be
made available to participating amateur radio operators and universities which allows them to decode and display real time telemetry.
Furthermore, the software allows for a data upload to the central Delfi-C3 ground station via the Internet for data processing. The Delfi-
C3 team would like to invite all interested radio amateurs to receive, decode and forward telemetry data to the Delfi-C3 ground station.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1243. Re: [eu-amsat] Delfi C-3

Yahoo group: eu-amsat
Date: 2008-01-31 19:51:13 UTC
From: SV1BSX
Topic: 1242 Message: 1243

Hi Luc,

as I read on the follow link "The Delfi-C3 groundstation is currently used
to receive telemetry from the PCSAT2 experiment....."

http://www.delfic3.nl/index.php?option=com_content&task=view&id=73&Itemid=111

Probably its just the same (or similar) TLM-format, so it is no necessary
a new software.

73, Mak SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Thursday, January 31, 2008 18:11
Subject: [eu-amsat] Delfi C-3

> The countdown clock is at -32 days and i cannot find any decoding software
> on their site? It will be a good thing if they want to have
> amateur stations to decode the telemetry to make their software available
> a couple of weeks before the launch in a way to be able to play
> with it a bit before starting to decode
>
> Bugs, problems, incompatibility with OS "VISTA"... and so on will be
> better solved right now rather than the day before launch!
>
> Radio Amateur section
>
> Delfi-C3 will have a downlink in the amateur satellite segment of the VHF
> amateur radio frequency band. Telemetry decoding software will be
> made available to participating amateur radio operators and universities
> which allows them to decode and display real time telemetry.
> Furthermore, the software allows for a data upload to the central Delfi-C3
> ground station via the Internet for data processing. The Delfi-
> C3 team would like to invite all interested radio amateurs to receive,
> decode and forward telemetry data to the Delfi-C3 ground station.
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE

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http://www.avast.com

1244. Power budgets.

Yahoo group: eu-amsat
Date: 2008-02-01 09:10:12 UTC
From: John Hackett
Topic: 1244 Message: 1244

Hello folks,
For those that don't understand power budgets on satellites -
especially ailing ones - *PLEASE* make the effort to read up on the
subject - so you can honestly say "your" operating *DIDN'T* shorten a
particular satellites life ... or ... you were *NOT* being an alligator
... (all mouth and no ears) ... and using more than your fair share of
the available power.

Remember ... there are potentially many !!
users on AO-7 and the available power is distributed among them ... a
LINEAR transponder isd *NOT* like an FM transponder.

There is an
excuse for simply "not knowing" - but there is no !! excuse for knowing
and ignoring the facts - that's just plain anti-social.

If you're not aware of it, do please !!! take the time to read up on the subject.

73 John <la2qaa@...>

From: la2qaa@...
To: w7lrd@...
CC: eu-amsat@yahoogroups.com; allan_gm1sxx@...
Subject: Oh - my - God - (AO-7 uplink power).
Date: Fri, 1 Feb 2008 09:41:04 +0100
.....

Oh - my - God!,

>On 70cm I run about 80-100 watts to a 40 el cp
>yagi. I can pick up my down link when the sat
>is about 7 degrees.

73 Bob W7LRD
.....
Wow!,
That's not an AO-7 satellite class station Bob, it's an EME station.

Have you not read the recommended operating proceedure for AO-7 !!.

<http://www.planetemily.com/ao7/ao7log.php>

5
watts or less to a decent aerial is adequate. Personally, I have
NEVER used more than 5 watts to a homebrew 6 element yagi but this
gave me 3rd place worldwide - (currently 5th) - when I was more active.

I
have taken the liberty of CC'ing part of your mail to the EU amsat
reflector because like me - they won't believe! the power you're using
... 100 watts to 40 elements is several kilowatts !! EIRP.

I
would respectfully suggest you do some research about *WHY* one should
maintain a reasonable power budget when operating satellites ...
afterwards - (hopefully) - you'll see what I mean.

AO-7 is not
in the best of health at at the best of times but hitting it with so
much uplink power is most certainly not going to prolong it's life.

It is also thoroughly recommended to use a "receiver" with an aerial attached - though with
your uplink power - (if it's true) -
a wet shoelace ought to suffice.

NB.

You did say 40 elements ... did you mean 4 ???.

73 John. <la2qaa@amsat.org>
.....

> From: w7lrd@...
> To: AMSAT-BB@...
> Date: Fri, 1 Feb 2008 03:58:29 +0000
> Subject: [amsat-bb] antenna attenuation
>
> Hello
>
Has anyone encountered this situation- My satellite antennas are about
15 feet off the ground. approximatly 18 feet away at that height is the
base of a 25 foot tripod that holds my HF quad. When aiming at a
certain direction about 15-20 degrees I can't seem to get through to
AO-7. I am trying to connect with OH8MBN. Other directions I can
usually hear my downlink almost down to the horizon. On 70cm I run
about 80-100 watts to a 40 el cp yagi. I can pick up my down link when
the sat is about 7 degrees.
> 73 Bob W7LRD
> Seattle
>
> --
> "if this were easy, everyone would be doing it"
> _____

1245. Power budgets.

Yahoo group: eu-amsat
Date: 2008-02-01 09:15:39 UTC
From: John Hackett
Topic: 1244 Message: 1245

Hello Folks,
For those that don't understand power budgets on satellites - especially ailing ones - *PLEASE* make the effort to read up on the subject - so you can honestly say "your" operating *DIDN'T* shorten a particular satellites life ... or ... you were *NOT* being an alligator ... (all mouth and no ears) ... and using more than your fair share of the available power.

Remember ... there are potentially many !! users on AO-7 and the available power is distributed among them ... a LINEAR transponder isd *NOT* like an FM transponder.

There is an excuse for simply "not knowing" - but there is no !! excuse for knowing and ignoring the facts - that's just plain anti-social.

If you're not aware of it, do please !!! take the time to read up on the subject.

73 John <la2qaa@...>
.....

>On 70cm I run about 80-100 watts to a 40 el cp
>yagi. I can pick up my down link when the sat
>is about 7 degrees.

73 Bob W7LRD
.....
Oh - my - God!,

That's not an AO-7 station Bob, it's an EME station.

Did you not read the recommended operating proceedure for AO-7

<http://www.planetemily.com/ao7/ao7log.php>

5 watts or less to a decent aerial is adequate. Personally, I have *NEVER* used more than 5 watts to a homebrew 6 element yagi but this gave me 3rd place worldwide - (currently 5th) - when I was more active.

I have taken the liberty of CC'ing part of your mail to the EU amsat reflector because like me - they won't believe! the power you're using ... 100 watts to 40 elements is several kilowatts !! EIRP.

I would respectfully suggest you do some research about *WHY* one should maintain a reasonable power budget when operating satellites ... afterwards - (hopefully) - you'll see what I mean.

AO-7 is not in the best of health at at the best of times but hitting it with so much uplink power is most certainly not going to prolong it's life.

It is also thoroughly recommended to use a "receiver" with an aerial attached - though with your uplink power - (if it's true) -
a wet shoelace ought to suffice.

NB.

You did say 40 elements ... did you mean 4 ???.

73 John. <la2qaa@...>
.....

> From: w7lrd@...
> To: AMSAT-BB@...
> Date: Fri, 1 Feb 2008 03:58:29 +0000
> Subject: [amsat-bb] antenna attenuation
>
> Hello
> Has anyone encountered this situation- My satellite antennas are about 15 feet off the ground. approximatly 18 feet away at that height is the base of a 25 foot tripod that holds my HF quad. When aiming at a certain direction about 15-20 degrees I can't seem to get through to AO-7. I am trying to connect with OH8MBN. Other directions I can usually hear my downlink almost down to the horizon. On 70cm I run about 80-100 watts to a 40 el cp yagi. I can pick up my down link when the sat is about 7 degrees.
> 73 Bob W7LRD
> Seattle
>
> --
> "if this were easy, everyone would be doing it"

1246. Cassini locator

Yahoo group: eu-amsat
Date: 2008-02-01 09:49:32 UTC
From: Luc Leblanc
Topic: 1246 Message: 1246

Nice software to locate the Cassini spacecraft to play with between satellite pass. Don't know if someone can copy something like that on
Second Life as it is an animation tool and they already have a site (island) named iss central stage space port alpha.?

http://saturn.jpl.nasa.gov/multimedia/CASSIE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1247. Fw: Delfi-C3 launch delayed

Yahoo group: eu-amsat
Date: 2008-02-01 15:27:41 UTC
From: SV1BSX
Topic: 1247 Message: 1247

Subject: Delfi-C3 launch delayed

Hi all,

the launch of the NLS-4 cluster including Delfi-C3 has been delayed again, for now, it is scheduled for mid-april, we will update the mission status page as soon as possible, stay tuned!

73

Wouter Jan Ubbels PE4WJ

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080201-0, 02/01/2008
Tested on: 2/1/2008 17:27:46
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1248. SPECIAL CONGRATULATIONS.

Yahoo group: eu-amsat
Date: 2008-02-01 17:20:28 UTC
From: John Hackett
Topic: 1248 Message: 1248

Special congratulations ought to be extended to JH3XCU/1 for soon to become the 8th station worldwide to attain 1000 points in the AO-7 log.

'Special' congratulations are in order because the station concerned has made this magnificent effort WITHOUT ACTUALLY HAVING A QSO.

Quite an acheavement.

Yes, I know it's an "activity" log but it does rather make a mockery of the log when you consider the stations that actually communicate with eachother.

Likewise the stations that claim QSO points but log the transponder as *OFF* are not helping the general statistics page.

The log page does have a link explaining how to correct incorrect entries - (the - "remember me next time" - checkbox needs to be checked).

If you're going to bother to make an entry in the log, you might as well check that you've done it correctly - and if not, rectify it ... otherwise the log won't serve the purpose as it was designed for.

73 John. <la2qaa@...>

1249. Re: [amsat-bb] ande-award arrived tks

Yahoo group: eu-amsat
Date: 2008-02-03 10:56:17 UTC
From: Luc Leblanc
Topic: 1249 Message: 1249

On 2 Feb 2008 at 20:36, Mr Jeffrey L Ross wrote:

> hi folks, got my ande award today and is it ever nice. going to frame it up in hamshack.
> 73 all
> kc8gkf west michigan usa

Exactly the same but it was yesterday and here also framed. Excellent packaging and the postman (girl) managed to put it on the mailbox
without bending the envelope in half...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1250. Tracking program VS doppler corr

Yahoo group: eu-amsat
Date: 2008-02-03 11:12:38 UTC
From: Luc Leblanc
Topic: 1250 Message: 1250

Feed up in running after my tail i give a try to a doppler tracking program on AO-16. I could be put the bar a bit too high using this one
but i ended always off by a couple of KC on the RX side (probably the same on TX uplink)

I guess i will have to play a bit with some parameters? i'm using Nova and FT-847 super control. I guess the benefits will be more visible
on the transponder type?

Thank's for your inputs and here is "another" tracking program but on line and based on your IP address

http://www.n2yo.com/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1251. FW: Oh - my - God - (AO-7 uplink power).

Yahoo group: eu-amsat
Date: 2008-02-03 11:13:10 UTC
From: John Hackett
Topic: 1251 Message: 1251

Bob,
Understood !. I'm often very quick to shoot my mouth off over AO-7 ... As Jan (King) will attest to, it's like a baby to me hi.

Note my direct mail address John.

73 John. <la2qaa@...>

From: la2qaa@hotmail.com
To: w7lrd@...
CC: archie.hackett@...
Subject: RE: Oh - my - God - (AO-7 uplink power).
Date: Sun, 3 Feb 2008 12:06:28 +0100

Bob,
I hope you received my apology via the bb - (also CC'd to the EU amsat reflector).

I sincerely apologise if I sounded crass - my sole intent was/is the good of AO-7.

Sincelely! mate.

73 John. <la2qaa@amsat.org>

From: w7lrd@...
To: la2qaa@...
Subject: FW: Re: Oh - my - God - (AO-7 uplink power).
Date: Fri, 1 Feb 2008 20:13:57 +0000

HEllo John
This email is just sent to you. I hope my explaination as to the post I made on the bb is satisfactory. As I said I am very aware of the condition of AO-7. I should have been more specific as to what I was trying to convey. The message was taken out of my intended context. You justifiably jumped all over me. So all that being said I will crawl back into the wood work, with my tail between my legs. Please let the EU-AMSAT group of this mess. My emails to them get bounced back. I hope to talk with you when we get our next HEO. I am currently building up my L band system, my old S band system from AO-40 (sobsob) is still working quite well.

--
73 Bob W7LRD
AMSAT member 28498
Seattle

---------- Forwarded Message: ----------
From: w7lrd@...
To: john hackett <la2qaa@hotmail.com>
Cc: <eu-amsat@yahoogroups.com>, Copland Al <allan_gm1sxx@...>
Subject: Re: Oh - my - God - (AO-7 uplink power).

Date: Fri, 01 Feb 2008 19:01:13 +0000

John/etc
To requalify- This is my capability! I use only the exciter IC-451 1-8W. I am acutely aware of the sensitivity of AO-7. However when attempting work footprint edge to footprint edge, I did run some power momentarily to find my down link. Yes John I have read all the available information regarding the history and operation of AO-7. I trust you will take the liberty to CC this email to the EU AMSAT reflector. I should have reread my initial post to the bb, as the context is not correct. My apologies to all for the justifyable outrage this has caused. I conciously make every effort to follow all the rules written and unwritten.

--
73 Bob W7LRD
AMSAT member 28498
Seattle

---------- Original message ----------
From: john hackett <la2qaa@...>

Oh - my - God!,

>On 70cm I run about 80-100 watts to a 40 el cp
>yagi. I can pick up my down link when the sat
>is about 7 degrees.

73 Bob W7LRD That's not an AO-7 station Bob, it's an EME station.

Did you not read the recommended operating proceedure for AO-7

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5 watts or less to a decent aerial is adequate. Personally, I have *NEVER* used more than 5 watts to a homebrew 6 element yagi but this gave me 3rd place worldwide - (currently 5th) - when I was more active.

I have taken the liberty of CC'ing part of your mail to the EU amsat reflector because like me - they won't believe! the power you're using ... 100 watts to 40 elements is several kilowatts !! EIRP.

I would respectfully suggest you do some research about *WHY* one should maintain a reasonable power budget when operating satellites ... afterwards - (hopefully) - you'll see what I mean.

AO-
7 is not in the best of health at at the best of times but hitting it with so much uplink power is most certainly not going to prolong it's life.

It is also thoroughly recommended to use a "receiver" with an aerial attached - though with your uplink power - (if it's true) -
a wet shoelace ought to suffice.

NB.

You did say 40 elements ... did you mean 4 ???.

73 John. <la2qaa@...>
.....

> From: w7lrd@...
> To: AMSAT-BB@...
> Date: Fri, 1 Feb 2008 03:58:29 +0000
> Subject: [amsat-bb] antenna attenuation
>
> Hello
> Has anyone encountered this situation- My satellite antennas are about 15 feet off the ground. approximatly 18 feet away at that height is the base of a 25 foot tripod that holds my HF quad. When aiming at a certain direction about 15-20 degrees I can't seem to get through to
A O-7. I am trying to connect with OH8MBN. Other directions I can usually hear my downlink almost down to the horizon. On 70cm I run about 80-100 watts to a 40 el cp yagi. I can pick up my down link when the sat is about 7 degrees.
> 73 Bob W7LRD
> Seattle
>
> --
> "if this were easy, everyone would be doing it"
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

Express yourself instantly with MSN Messenger! MSN Messenger

Express yourself instantly with MSN Messenger! MSN Messenger

1252. Re: [amsat-bb] Re: Satellite tracking programming ideas

Yahoo group: eu-amsat
Date: 2008-02-04 03:55:51 UTC
From: Luc Leblanc
Topic: 1252 Message: 1252

>
> I've been tracking AO-40's ghost for the past few weeks and I'm enthused
> again and look forward to making contact once again through a real
> satellite.
>
> Regards,
> Phil.

I have a dream that one day this community will rise up and live out the true meaning of a HEO!!!

Here is some news from the past

AO-40 Satellite Goes Silent

NEWINGTON, CT, Jan 27, 2004--The AO-40 satellite could be in serious trouble. According to AO-40 ground controllers, telemetry from the
satellite indicated a substantial drop in voltage on the operating bus at around 0100 UTC today, and the bird went silent.

Ground controller Stacey Mills, W4SM, reported that the "extreme low voltage event" shut down the satellite's S-band transmitter and
"probably" crashed the IHU-1. In a posting today on the AMSAT-DL Web site, he indicated that the main and auxiliary batteries had been tied
together and "should be charging." He said the command team would be waiting with "fingers crossed" until the next orbit to see if the
voltage on the batteries comes up to normal levels and the IHU-1 could be rebooted and reloaded.

Is it possible to have a short in the batteries? With 2 tied together can we think that is a multiplying factor just hope it will be before
30 years...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1253. Re: [eu-amsat] Re: [amsat-bb] Re: Satellite tracking programming ideas

Yahoo group: eu-amsat
Date: 2008-02-04 10:11:46 UTC
From: Thomas Frey
Topic: 1252 Message: 1253

Luc Leblanc schrieb:
>> I've been tracking AO-40's ghost for the past few weeks and I'm enthused
>> again and look forward to making contact once again through a real
>> satellite.
>>
>> Regards,
>> Phil.
>>
>
> I have a dream that one day this community will rise up and live out the true meaning of a HEO!!!
>
> Here is some news from the past
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> "probably" crashed the IHU-1. In a posting today on the AMSAT-DL Web site, he indicated that the main and auxiliary batteries had been tied
> together and "should be charging." He said the command team would be waiting with "fingers crossed" until the next orbit to see if the
> voltage on the batteries comes up to normal levels and the IHU-1 could be rebooted and reloaded.
>
> Is it possible to have a short in the batteries? With 2 tied together can we think that is a multiplying factor just hope it will be before
> 30 years...
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
Hi Luc

Please read on http://www.wikimirror.com/AO-40 . There you can read
"... making an eventual recovery of AO-40 unlikely." There was not
simply a short in the batteries, there was a explosion of high toxic

fuel.

But the hope dies at last...

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1254. Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 10:49:09 UTC
From: John Hackett
Topic: 1254 Message: 1254

I was rather amused at a question I received the other day ... "Why wasn't Great Britain involved in space?" ... like America, Russia, Japan, India and China.

Errr ... I wonder if the words Jodrell Bank, Blue Streak, Woomera ... and in more modern times, SSTL would mean anything to the person who asked the question.

How about the "other" magician ... MERLIN - (anno 2008) ...

MERLIN = Multi-Element Radio Linked Interferometer Network.

MERLIN operates at frequencies from 151Mhz to 24Ghz. At 5Mhz the resolution of MERLIN is better than 50 milliarcseconds, (quote) ... "somewhat greater than that of the Hubble telescope" ... (unquote).

Oh, I'd say Great Britain 'is' involved in space.

Perusal of the JODRELL BANK web pages ought to dispel any myths as to whether the 'Limey's' are involved in space or not.

The Lovell telescope - (76m) - is the centrepiece of an impressive array of dishes on my old stomping ground at Holmes Chappel - it is also available with it's own "live" web pages. If "precision" - (space tracking) - is your thing I'd suggest you check out the parameters ... where "error" is quoted as ... 0.0000 in azimuth and elevation ... and the diameter of the main dish is *only* 76 meters.

The Russians asked the 'mad professors' at Jodrell Bank to help track Sputnik way back in 1957 ... was that early enough to justify a 'presence'
in space exploration?.

It wasn't just the Germans who messed about with RADAR and clandestine radios in the war, you know.

I can tell you ... when you start getting 'whacked' on the head by V1 rockets chucked at you from Germany, you start taking an interest in 'space'.

73 John. <la2qaa@...>

1255. Re: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 11:12:42 UTC
From: Thomas Frey
Topic: 1254 Message: 1255

John Hackett schrieb:
> I was rather amused at a question I received the other day ... "Why
> wasn't Great Britain involved in space?" ... like America, Russia,
> Japan, India and China.

John, I think, he is meaning "Why has Great Britain not their own space port to launch rockets ?". Or not ? I don't know this guy.

>
> Errr ... I wonder if the words Jodrell Bank, Blue Streak, Woomera ...
> and in more modern times, SSTL would mean anything to the person who
> asked the question.
>
> How about the "other" magician ... MERLIN - (anno 2008) ...
>
> MERLIN = Multi-Element Radio Linked Interferometer Network.
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> MERLIN operates at frequencies from 151Mhz to 24Ghz. At 5Mhz the
> resolution of MERLIN is better than 50 milliarcseconds, (quote) ...
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> whether the 'Limey's' are involved in space or not.
>
> The Lovell telescope - (76m) - is the centrepiece of an impressive
> array of dishes on my old stomping ground at Holm es Chappel - it is
> also available with it's own "live" web pages. If "precision" - (space
> tracking) - is your thing I'd suggest you check out the parameters ...
> where "error" is quoted as ... 0.0000 in azimuth and elevation ... and
> the diameter of the main dish is *only* 76 meters.
>
> The Russians asked the 'mad professors' at Jodrell Bank to help track
> Sputnik way back in 1957 ... was that early enough to justify a
> 'presence'
> in space exploration?.
>
> It wasn't just the Germans who messed about with RADAR and clandestine
> radios in the war, you know.
>
> I can tell you ... when you start getting 'whacked' on the head by V1
> rockets chucked at you from Germany, you start taking an interest in
> 'space'.
>

> 73 John. <la2qaa@...>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1256. RE: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 11:22:31 UTC
From: John Hackett
Topic: 1254 Message: 1256

Thomas,
That's quite correct but he was also under the impression that Great Britain (as a nation) wasn't interested in space. Not so.

"Politics" do play a part - (financing!) - but there really isn't a suitable site where the all important "downrange" area is available.

The Brecon Beacons in Wales are dominated by military training grounds, likewise salisury Plain in England and I'm sure my partner-in-crime GM1SXX could give you a nyriad of reasons why Scotland is out of the loop.

That !! is why Woomera (Australia) was used for testing British rockets.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 5 Feb 2008 12:12:42 +0100
Subject: Re: [eu-amsat] Dispelling a myth.

John Hackett schrieb:

> I was rather amused at a question I received the other day ... "Why

> wasn't Great Britain involved in space?" ... like America, Russia,

> Japan, India and China.

John, I think, he is meaning "Why has Great Britain not their own space

port to launch rockets ?". Or not ? I don't know this guy.

>

> Errr ... I wonder if the words Jodrell Bank, Blue Streak, Woomera ...

> and in more modern times, SSTL would mean anything to the person who

> asked the question.

>

> How about the "other" magician ... MERLIN - (anno 2008) ...

>

> MERLIN = Multi-Element Radio Linked Interferometer Network.

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> Sputnik way back in 1957 ... was that early enough to justify a

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> in space exploration?.

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> It wasn't just the Germans who messed about with RADAR and clandestine

> radios in the war, you know.

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> I can tell you ... when you start getting 'whacked' on the head by V1

> rockets chucked at you from Germany, you start taking an interest in

> 'space'.

>

> 73 John. <la2qaa@...>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1257. Re: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 12:22:09 UTC
From: Allen Coxe
Topic: 1254 Message: 1257

Hi John

And they was the nuclear tests done in Australia by the UK also :)

But lets throw some hot water on the subject....
Didnt the US copy the design for the aircraft that broke the speed of sound from the uk guys???

Allen
LA0HT/VK6BFO

----- Original Message ----
From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Tuesday, 5 February, 2008 12:22:31 PM
Subject: RE: [eu-amsat] Dispelling a myth.

Thomas,
That's quite correct but he was also under the impression that Great Britain (as a nation) wasn't interested in space. Not so.

"Politics" do play a part - (financing!) - but there really isn't a suitable site where the all important "downrange" area is available.

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That !! is why Woomera (Australia) was used for testing British rockets.

73 John. <la2qaa@amsat. org>

To: eu-amsat@yahoogroup s.com
From: th.frey@vtxmail. ch
Date: Tue, 5 Feb 2008 12:12:42 +0100
Subject: Re: [eu-amsat] Dispelling a myth.

John Hackett schrieb:

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> wasn't Great Britain involved in space?" ... like America, Russia,

> Japan, India and China.

John, I think, he is meaning "Why has Great Britain not their own space

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> and in more modern times, SSTL would mean anything to the person who

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> 73 John. <la2qaa@amsat. org>

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Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

---------- --------- --------- --------- --------- --------- -

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home. datacomm. ch/th.frey/

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.MsoNormal{
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#ygrp-text tt{
font-size:120%;}
blockquote{margin:0 0 0 4px;}
.replbq{margin:4;}
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Get the name you always wanted with the new y7mail email address.
www.yahoo7.com.au/y7mail

1258. Re: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 12:35:17 UTC
From: Dominic Baines
Topic: 1254 Message: 1258

Hi,

Through GQRP and QRP-ARCI clubs I met and have spoken with some of the NASA guys working on ISS space comms and we discussed this recently and they tried to explain it to me. The UK and many other countries that might have the capability to build launch space vehicles are far too populated to launch them and have a sizable payload rocket fall back to earth if either an equatorial or polar launch were to happen. The reason behind either a Florida launch centre is that to the East is the Atlantic and a long way before you hit land if something goes wrong and they launch that way to get the 1,000 mph+ advantage the launch path provides due to the Earths rotation. From the US west coast launches into a polar orbit means they launch the space shuttle or satellites in a South Westerly direction out over the Pacific. Most of the other country major satellite launch facilities have a similar unpopulated zone on the flightpath, like the one in French Guiana ESA use called KOUROU http://sci.esa.int/science-e/www/object/index.cfm?fobjectid=38692

The three main Russian launch centers, or cosmodromes, are Baikonur Cosmodrome, Kaputsin Yar, and Plesetsk Cosmodrome. One of the problems with the location of these is that spent Russian rocket stages, unlike the ESA or American counterparts, tend to fall on land rather than into the ocean. The arctic tundra around Pletesk (the main military launch site) is littered with debris which the locals refer to as “metal from heaven.” Residents of Dzhezkazgan, which lies close to the flight path of rockets from Baikonur, have complained that toxic fuel from crashed rocket stages has contaminated the soil and made it impossible to graze lifestock. For this reason, the latest generation of Russian rockets, including the Angara and Zenit launch vehicles, burn a more environmentally-friendly mixture of propellants.

I am sure similar conundrums faced the Indian and Chinese when looking at launch sites.

Other than Dr (?) Helen Sharman not sure the UK have had another astronaut though.

I understood we have always provided loads of the space comms right from the early manned missions either directly or as relay stations and I am pretty sure we do the same for the exploratory space probes.

UK efforts in space manned or otherwise are the result of a ESA partnership and NASA collaboration aren't they? One example is the costs and facilities required for the ISS are shared amongst the partners.

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Dom

M1KTA

----- Original Message ----
From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Tuesday, 5 February, 2008 11:22:31 AM
Subject: RE: [eu-amsat] Dispelling a myth.

Thomas,
That's quite correct but he was also under the impression that Great Britain (as a nation) wasn't interested in space. Not so.

"Politics" do play a part - (financing!) - but there really isn't a suitable site where the all important "downrange" area is available.

The Brecon Beacons in Wales are dominated by military training grounds, likewise salisury Plain in England and I'm sure my partner-in-crime GM1SXX could give you a nyriad of reasons why Scotland is out of the loop.

That !! is why Woomera (Australia) was used for testing British rockets.

73 John. <la2qaa@amsat. org>

To: eu-amsat@yahoogroup s.com
From: th.frey@vtxmail. ch
Date: Tue, 5 Feb 2008 12:12:42 +0100
Subject: Re: [eu-amsat] Dispelling a myth.

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> How about the "other" magician ... MERLIN - (anno 2008) ...

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_____
Sent from Yahoo! Mail - a smarter inbox http://uk.mail.yahoo.com

1259. RE: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 13:33:11 UTC
From: John Hackett
Topic: 1254 Message: 1259

Precisely Dom,
That's why I mentioned the words ... "all important downrange".

RGR re: the "Russian connection" - I've spent some time there and am well aware of the differences.

Human life is not held in quite the same regard by certain elements of the Soviet "powers that be".

BTW, despite the callsign, I'm from Crewe (!) and used to earn a bob or two by picking spuds from round Jodrell Bank every Saturday morning in the late 50's..

73 John. <la2qaa@...>

To: eu-amsat@...m
From: dombaines@...
Date: Tue, 5 Feb 2008 04:35:17 -0800
Subject: Re: [eu-amsat] Dispelling a myth.

Hi,

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M1KTA

----- Original Message ----
From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Tuesday, 5 February, 2008 11:22:31 AM
Subject: RE: [eu-amsat] Dispelling a myth.

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That !! is why Woomera (Australia) was used for testing British rockets.

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To: eu-amsat@yahoogroup s.com
From:
th.frey@vtxmail. ch
Date: Tue, 5 Feb 2008 12:12:42 +0100
Subject: Re: [eu-amsat] Dispelling a myth.

John Hackett schrieb:

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http://home. datacomm. ch/th.frey/

Support the World Aids Awareness campaign this month with Yahoo! for Good

1260. RE: [eu-amsat] Dispelling a myth.

Yahoo group: eu-amsat
Date: 2008-02-05 13:38:21 UTC
From: John Hackett
Topic: 1254 Message: 1260

Allen,
A lot of things were 'done' in Oz.

Nice callsign Allen ... BFO ... I can think of an "army" one as well as the more obvious beat frequency oscillator.

You've probably sussed ... I'm a POM !.

No FOSTERS in NOG mate. (NOG = Norway for expats).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: acoxe@...
Date: Tue, 5 Feb 2008 04:22:09 -0800
Subject: Re: [eu-amsat] Dispelling a myth.

Hi John

And they was the nuclear tests done in Australia by the UK also :)

But lets throw some hot water on the subject....
Didnt the US copy the design for the aircraft that broke the speed of sound from the uk guys???

Allen
LA0HT/VK6BFO

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Sent: Tuesday, 5 February, 2008 12:22:31 PM
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Get the name you always wanted with the new y7mail email address.

1261. A lot! of felines ... or ... Cat: Nr: 05580

Yahoo group: eu-amsat
Date: 2008-02-06 08:13:24 UTC
From: John Hackett
Topic: 1261 Message: 1261

Hello Folks,
Does anyone know where I might obtain keps for object nr: 1973 583A, catalogue nr: 05580 ??.

My first shot was Celestrak but the page refused to accept the previous password it used to.

(There is no facility for 'remembering' an old password).

It's simply too much faffing around creating a new identity.

Any suggestions and I'd be most grateful.

This is the first 100% British satellite launched 35 years ago. There's a video on the Amsat-UK website showing that it's still transmitting.

It was also known as Prospero X-3.

USELESS INFORMATION DEPT:

Prospero? ... Aye!, the Duke of Milan in William Shakespeare's ... '
The Tempest' ... read the play and you'll understand why the satellite was christened thus.

73 John. <la2qaa@...>

From: archie.hackett@...
To: g7hia@...
CC: john@...; allan_gm1sxx@...
Subject: Cat: Nr: 05580
Date: Wed, 6 Feb 2008 01:28:29 +0100

Hello John,
Re: the Prospero X-3 satellite.

It's object nr: 1973 583A, catalogue nr: 05580.

I've listened to the Amsat-UK website audio recording and noted the frequency as 137.560 WFM ... but I can't find any keps anywhere!.

Any ideas where I might find current keps ??.

I tried the CelestTRACK website but it refuses to accept my password since I last checked in a year ago.

The Wikipedia page noters that it was decomissioned long ago but that it's still transmitting ... with an estimated life of 100 years.

Interesting power situation there ... nuclear based ??.

If I could find the keps I could have a listen. Any other 'secret' info ??.

73 John 2 <la2qaa@...>

1262. TLM comparison.

Yahoo group: eu-amsat
Date: 2008-02-06 09:27:49 UTC
From: John Hackett
Topic: 1262 Message: 1262

Hello folks,
Could the recording of what is believed to be Prospero X-3 on the Amsat-UK website on 137.560Mhx in fact be from one of the Orbcomm satellites ?.

Just a thought.

Easily checked, by running the free Orbcomm software and having a listen to the telemetry.

73 John. <la2qaa@...>
73 John. <la2qaa@...>

1263. Re: [eu-amsat] A lot! of felines ... or ... Cat: Nr: 05580

Yahoo group: eu-amsat
Date: 2008-02-06 10:05:59 UTC
From: Thomas Frey
Topic: 1261 Message: 1263

John Hackett schrieb:
> Hello Folks,
> Does anyone know where I might obtain keps for object
> nr: 1973 583A, catalogue nr: 05580 ??.
Hello John

Here is your set:

1 05580U 71093A 08035.91733844 .00000129 00000-0 24102-4 0 7288
2 05580 082.0434 342.4015 0548957 143.7064 220.2679 13.89539227815329

But the object nr. doesn't match !

>
> My first shot was Celestrak but the page refused to accept the
> previous password it used to.
>
> (There is no facility for 'remembering' an old password).
>
> It's simply too much faffing around creating a new identity.
>
> Any suggestions and I'd be most grateful.
At Celestrak you don't need a password.

>
> This is the first 100% British satellite launched 35 years ago.
> There's a video on the Amsat-UK website showing that it's still
> transmitting.
>
> It was also known as Prospero X-3.
>
> USELESS INFORMATION DEPT:
>
> Prospero? ... Aye!, the Duke of Milan in William Shakespeare's ... '
> The Tempest' ... read the play and you'll understand why the satellite
> was christened thus.
>
> 73 John. <la2qaa@...>
>
>
> ---
> From: archie.hackett@hotmai l.com
> To: g7hia@...
> CC: john@...; allan_gm1sxx@...
> Subject: Cat: Nr: 05580
> Date: Wed, 6 Feb 2008 01:28:29 +0100

>
> Hello John,
> Re: the Prospero X-3 satellite.
>
> It's object nr: 1973 583A, catalogue nr: 05580.
>
> I've listened to the Amsat-UK website audio recording and noted
> the frequency as 137.560 WFM ... but I can't find any keps anywhere!.
>
> Any ideas where I might find current keps ??.
>
> I tried the CelestTRACK website but it refuses to accept my
> password since I last checked in a year ago.
>
> The Wikipedia page noters that it was decomissioned long ago but
> that it's still transmitting ... with an estimated life of 100 years.
>
> Interesting power situation there ... nuclear based ??.
>
> If I could find the keps I could have a listen. Any other 'secret'
> info ??.
>
> 73 John 2 <la2qaa@...>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1264. I havn't gotten a ROUND TUIT yet.

Yahoo group: eu-amsat
Date: 2008-02-06 10:49:17 UTC
From: John Hackett
Topic: 1261 Message: 1264

Hi Thomas,
Thank you. I've got it all sorted out now. In fact, I suspect that which Amsat-UK have on the video as X-3 may well have been an Orbcomm satellite on 137.560Mhz ... but I may be wrong ... I havn't gotten around to checking the TLM yet.

I have the Orbcomm software so it should be easy to compare.
I put the X-3 keps into NOVA and InstantTRACK so it will be relatively easy to check - when I have time.

Thanks again for the X-3 keps.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 6 Feb 2008 11:05:59 +0100
Subject: Re: [eu-amsat] A lot! of felines ... or ... Cat: Nr: 05580

John Hackett schrieb:

> Hello Folks,

> Does anyone know where I might obtain keps for object

> nr: 1973 583A, catalogue nr: 05580 ??.

Hello John

Here is your set:

1 05580U 71093A 08035.91733844 .00000129 00000-0 24102-4 0 7288

2 05580 082.0434 342.4015 0548957 143.7064 220.2679 13.89539227815329

But the object nr. doesn't match !

>

> My first shot was Celestrak but the page refused to accept the

> previous password it used to.

>

> (There is no facility for 'remembering' an old password).

>

> It's simply too much faffing around creating a new identity.

>

> Any suggestions and I'd be most grateful.

At Celestrak you don't need a password.

>

> This is the first 100% British satellite launched 35 years ago.

> There's a video on the Amsat-UK website showing that it's still

> transmitting.

>

> It was also known as Prospero X-3.

>

> USELESS INFORMATION DEPT:

>

> Prospero? ... Aye!, the Duke of Milan in William Shakespeare's ... '

> The Tempest' ... read the play and you'll understand why the satellite

> was christened thus.

>

> 73 John. <la2qaa@...>

>

>

> ----------

> From: archie.hackett@hotmai l.com

> To: g7hia@...

> CC: john@...; allan_gm1sxx@hotmail.com

> Subject: Cat: Nr: 05580

> Date: Wed, 6 Feb 2008 01:28:29 +0100

>

> Hello John,

> Re: the Prospero X-3 satellite.

>

> It's object nr: 1973 583A, catalogue nr: 05580.

>

> I've listened to the Amsat-UK website audio recording and noted

> the frequency as 137.560 WFM ... but I can't find any keps anywhere!.

>

> Any ideas where I might find current keps ??.

>

> I tried the CelestTRACK website but it refuses to accept my

> password since I last checked in a year ago.

>

> The Wikipedia page noters that it was decomissioned long ago but

> that it's still transmitting ... with an estimated life of 100 years.

>

> Interesting power situation there ... nuclear based ??.

>

> If I could find the keps I could have a listen. Any other 'secret'

> info ??.

>

> 73 John 2 <la2qaa@...>

>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1265. TLM comparison.

Yahoo group: eu-amsat
Date: 2008-02-06 11:08:02 UTC
From: John Hackett
Topic: 1262 Message: 1265

John,
You may well be right at that.

How's Robert (G8ATE) chugging along?. I read he's been getting quite a bit of attention Stateside of late re: the Oscar anniversary award ... canny old bugger!.

FYI ... I'm in direct contact with the Amsat-ru 'remnants' (Alex himself) - or what's left of 'em. I'm trying to convince them to work on a project with GM1SXX (the other half of "the twisted pair") and myself.

You'll no doubt have fond memories of the RS series of satellites.

Many an op got his feet wet on one of those. The ROBOT's being a sorely missed feature.

73 John 2. <la2qaa@...>
.....

> CC: eu-amsat@yahoogroups.com; amsat-bb@...
> From: john@...
> Subject: Re: [amsat-bb] TLM comparison.
> Date: Wed, 6 Feb 2008 10:54:29 +0000
> To: la2qaa@...
>
> -----BEGIN PGP SIGNED MESSAGE-----
> Hash: SHA1
>
> On 6 Feb 2008, at 09:27, John Hackett wrote:
> > Could the recording of what is believed to be
> > Prospero X-3 on the Amsat-UK website on 137.560Mhx in fact be from
> > one of the Orbcomm satellites ?.
>
> One thing that got me, was the signal came in clearly so low down,
> and the antenna was pointing towards the buildings on the horizon
> making me think that the signal was more terrestrial in origin.
>
> John
> -----BEGIN PGP SIGNATURE-----
> Version: GnuPG v1.4.3 (Darwin)
>
> iD8DBQFHqZHlDwhbGQHPUt0RAklmAKDHvTELzIdP3ShPo2Q+/rKjlv5WLACgidoW
> emrqK1xBlFfT3UJc75mqiLs=
> =J+jL
> -----END PGP SIGNATURE-----

1266. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2008-02-11 00:33:42 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 1266

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /LNA/ag35-1.pdf
Uploaded by : sv1bsx <sv1bsx@...>
Description : Manual of IC-AG35 UHF pre-amp (page1)

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/LNA/ag35-1.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

sv1bsx <sv1bsx@...>

1267. 4Z5LY QSLing?

Yahoo group: eu-amsat
Date: 2008-02-11 13:47:41 UTC
From: SV1BSX
Topic: 1267 Message: 1267

Hello,

looking for 4Z5LY QSL-address (he is active on SATs the last weeks), I just found the following info in Russian QRZ:

http://www.qrz.ru/webnews/2043.html

.. but unfortunately is impossible to understand the... Russian language.

I know that - we have on this Group several members
from Russia... could somebody translate it to English please?

Thanks in advance

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080208-0, 02/08/2008
Tested on: 2/11/2008 15:47:45
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1268. Re: [eu-amsat] 4Z5LY QSLing?

Yahoo group: eu-amsat
Date: 2008-02-11 23:24:53 UTC
From: Thomas Frey
Topic: 1267 Message: 1268

SV1BSX schrieb:
> Hello,
> looking for 4Z5LY QSL-address (he is active on SATs the last weeks), I
> just found the
> following info in Russian QRZ:
Hello Mak

I found his address on Hamcall.net: http://hamcall.net/call?callsign=4Z5LY

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1269. Re: [eu-amsat] 4Z5LY QSLing?

Yahoo group: eu-amsat
Date: 2008-02-12 11:41:32 UTC
From: SV1BSX
Topic: 1267 Message: 1269

Hello,

THANKS to all for replies about 4Z5LY's QSL-address.

Well done.

73, Mak SV1BSX

>
> I found his address on Hamcall.net: http://hamcall.net/call?callsign=4Z5LY
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080208-0, 02/08/2008
Tested on: 2/12/2008 13:41:36
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1270. Libertad-1

Yahoo group: eu-amsat
Date: 2008-02-14 07:23:16 UTC
From: John Hackett
Topic: 1270 Message: 1270

Hello folks,
Does anyone happen to know the current status of Libertad-1 for APRS?.

Yesterday the Amsat status page said ??? ... (unknown).

73 John. <la2qaa@...>

1271. Re: [eu-amsat] Libertad-1

Yahoo group: eu-amsat
Date: 2008-02-14 10:19:11 UTC
From: Thomas Frey
Topic: 1270 Message: 1271

John Hackett schrieb:
> Hello folks,
> Does anyone happen to know the current status of
> Libertad-1 for APRS?.
>
> Yesterday the Amsat status page said ??? ... (unknown).
>
> 73 John. <la2qaa@...>
>

Hello John

Libertad-1 is inactive. I observe the satellite since its launch and sent packet-beacons on 145.825 MHz (unproto CQ v 5K3L) but get never a response.

Note: Libertad-1 has the object-ID 31128 and not 31129 ! This is the ID from Polysat CP3, which its general beacon on 70cm is also inactive.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1272. RE: [eu-amsat] Libertad-1

Yahoo group: eu-amsat
Date: 2008-02-14 11:10:19 UTC
From: John Hackett
Topic: 1270 Message: 1272

Thomas,
Thank you ... that 'is' a pity ... because I wanted to test my IC-E91 handheld rig asnd the problem is I'm completely !! blocked to my south by mountains so I can't try the ISS or PCSAT.

GO-32 passes over here but that's a 9600bps bird and it's quite impossibe !!! to go inside this handheld rig and modify it ... so I need a 1200bps satellite ... but can't find anything that passes near Norway.

The rig is D-STAR capable but there are no D-Star repeaters here either. AO-27 is a D-STAR capable sat but it's never switched on this far north.

Drew says D-Star would be "frowned" upon on AO-51 ... so I have a rig here I can't use for anything !!! satellite-wise ... apart from a low power uplink on AO-51.

What I really wanted was to be able to transmit to a satellite at 1200bps but like I said, I'm blocked by mountains to my south so the ISS & PCSAT are no good for me.

I can't find another APRS compatible bird I could transmit to.

Thanks anyway Thomas ... at least I know not to bother with Libertad-1.

The Japanese cubesats are not switched on over Europe.

73 John. <la2qaa@...>
.....

To: eu-amsat@yahoogroups.com
CC: amsat-bb@...
From: th.frey@vtxmail.ch
Date: Thu, 14 Feb 2008 11:19:11 +0100
Subject: Re: [eu-amsat] Libertad-1

John Hackett schrieb:

> Hello folks,

> Does anyone happen to know the current status of

> Libertad-1 for APRS?.

>

> Yesterday the Amsat status page said ??? ... (unknown).

>

> 73 John. <la2qaa@...>

>

Hello John

Libertad-1 is inactive. I observe the satellite since its launch and sent packet-beacons on 145.825 MHz (unproto CQ v 5K3L) but get never a response.

Note: Libertad-1 has the object-ID 31128 and not 31129 ! This is the ID from Polysat CP3, which its general beacon on 70cm is also inactive.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1273. Re: [amsat-bb] Re: Navy to shoot down satellite

Yahoo group: eu-amsat
Date: 2008-02-15 09:23:35 UTC
From: Luc Leblanc
Topic: 1273 Message: 1273

On 14 Feb 2008 at 16:25, Robert Bruninga wrote:

> Some media reports are comparing the US Navy shoot-
> down to the one that China conducted recently..

>Yes, because the media are clueless and don't take the time to
>investigate anything about details.

Is this include all the senior U.S. defense officials?

The U.S. military could potentially use a missile to destroy the minivan-sized satellite in space, but one senior U.S. defense official told Reuters that was unlikely for several reasons, including concern about creating space debris, as China did when it shot down one of its satellites last year.

read the rest at:

http://www.msnbc.msn.com/id/22857051/

>Yes, because the media are clueless and don't take the time to
>investigate anything about details.

And the folks named below?

The ramifications of the operation are diplomatic as well as military and scientific, in part because
the United States criticized China last year when Beijing used a defunct weather satellite as a target
in a test of an antisatellite system.After their test, the Chinese said that they had no intention of getting
involved in a "space race" and that their test had not been designed to intimidate. Under the Bush administration,
the United States has asserted its need to protect its interests in space. President George W. Bush ordered the
military to try to destroy the satellite because "there was a possibility of death or injury to human beings beyond
that associated with the fall of satellites and other space objects normally, if we can use that word," said a deputy
national security adviser, James Jeffrey.

The rest here: http://www.iht.com/articles/2008/02/14/america/spy.php

> The chinese satellite debris starting at 800 km will be in orbit
> for the next 20 to 100 years during which time all of that
> depris will pass through the orbits of thousands of other
> satellites as it slowly decays. These thousands of debris from
> the Chinese satellite, passing through the orbits of thousands
> of satellites will likely result in a few additional collisions

> that will in turn endanger additional satellites below them.
>
> The Navy Shoot down is going to be at about 130 miles, below ALL
> other satellites and the ISS and the Shuttle. The majority of
> the debris will burn up within the next 2 orbits (6 hours or
> so).. But just to be sure, they are going to wait till after
> the shuttle lands, because the shuttle does have to fly through
> that altitude to get home.
>
>
> Bob

What the worst case scenario will be? In some recent case below some pieces are making it to the ground. "Some vaporized" but here in
Canada we gets some pieces of a soviet ocean reconnaissance satellite cosmos 954 scattering debris with his nuclear fuel motor over the
northwestern Canadian territories here is the link relating the event:

http://www.hackcanada.com/canadian/other/cosmos954.html

The columbia accident

Columbia, which had been due to land at 0916 (1416 GMT) was returning from
a 16-day mission orbiting the Earth and was in its re-entry procedure when contact
was lost at about 0900 local time.

Nasa said the shuttle was about 200,000 feet up and travelling at 12,500 mph (20,000 kph) at the time.

Map showing approximate area where shuttle debris has come down
I could see two bright objects flying off each side of it

Eyewitness in US
Click here for more eyewitness accounts
Television pictures showed a vapour trail from the craft as it flew over Dallas.

It then appeared to disintegrate into several separate vapour trails, and witnesses in the area
said they heard "big bangs".Texas public safety department spokesman Clive Kennelly said there
were more than 2,000 debris fields, scattered from the small town of Nacogdoches about
170 miles (290 km) south-east of Dallas, to the Louisiana border.

Nasa has warned that any debris found should be avoided as it could be hazardous, and that people
should report such finds to the authorities.Pieces of debris have been reported in fields and on roads,
and one Nacogdoches resident, Jeff Hancock, said a metal bracket about a foot (30 centimetres) long
crashed through his office roof, the Associated Press news agency reported.

Last year I just pass nearby the Culumbia pieces burial site. An old minuteman missile silo in Cape Canaveral AFB and i was told privately

by one tour guide officer who was working on the site at that time that huge pieces of the orbiter where taken out from the ocean floor but
this was never reported by the press as they are still containing pieces of human remains? Was he making a show to the gallery i don't know
but he managed to let me pass a mobile military check point with his military clearance pass who bring us at a bird view of STS-118 launch
pad!!!

Some links of interest:

http://www.siloworld.com/MISSILE%20%20LAUNCHES/CAPE/cape__canaveral.htm
http://www.siloworld.com/
http://www.spaceline.org/rocketsum/minuteman-I.html

The Australian Vostok tank

http://www.space.com/peopleinterviews/satellite_auction_000214.html

As my late Marie-Louise aunt born in 1897 told me "Its because they don't stop playing with their atomic bombs that we have those miserable
summers and winters" In our todays words it would probably mean "The hell fire will fall on us" just hope he will target the right ones...

As in the Asterix adventures "the Gauls have only one fear: that the sky may fall on their heads tomorrow." Some blogs are already
discussing about possibility that europe will be a prime target especially the former Gaul probably a side HAARP effects...

http://poppiesremuera.netstep.co.nz/index.php?option=results&search_by=isbn&search_text=0752875485&Fnew_search=1&pagestyle=single

If you need to see some fiction or not? some links of interest

http://www.brojon.org/frontpage/bj1203.html
http://www.youtube.com/watch?v=QkLTzesBxGE&feature=related
http://www.youtube.com/watch?v=w7IzXHsym7k&feature=related
http://www.youtube.com/watch?v=C9runNgtTb0&feature=related
http://www.youtube.com/watch?v=5pawTzpNKW4&feature=related
http://www.youtube.com/watch?v=-qYl1OMM0fk&feature=related
http://www.youtube.com/watch?v=8VWTVn0r880&feature=related
http://www.conspiration.cc/sujets/arme/HAARP.htm

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1274. ARLS003 Astronauts Work on Columbus Lab on the ISS

Yahoo group: eu-amsat
Date: 2008-02-15 22:05:03 UTC
From: SW1JGW
Topic: 1274 Message: 1274

ZCZC AS03
QST de W1AW
Space Bulletin 003 ARLS003
From ARRL Headquarters
Newington, CT February 15, 2008
To all radio amateurs SB SPACE ARL ARLS003
ARLS003 Astronauts Work on Columbus Lab on the ISS

Astronauts aboard the International Space Station complex arefocusing on getting the new Columbus lab up and running. Columbus,the laboratory built by the European Space Agency (ESA) and host oftwo Amateur Radio on the International Space Station (ARISS) antennas, was launched into space on February 7 aboard the spaceshuttle Atlantis, arriving three days later. According to NASA,Columbus' activation process has been running a little behindbecause of computer problems, but flight directors believe they'vefixed the glitch. In 2007, the ARISS antennas successfully passed electrical and SWRtests, with one of the two antennas, Antenna 42, going through afinal test -- a thermal test under vacuum. Columbus will house anadditional Amateur Radio station, including the first digitalAmateur Radio TV (DATV) station in space, as well as a ham radiotransponder. The yet-to-be-built Columbus amateur gear willfacilitate operation on new frequencies that will make it possiblefor ARISS to establish wideband and video operations for the firsttime and allow continuous transponder operation. According to ARRL ARISS Program Manager Rosalie White, K1STO, "TheARISS-Europe Team has been holding meetings to determine what theARISS International Team should have for a station in the Columbusmodule. The Europeans will need to begin fundraising for themultiple sets of equipment, such as the on-orbit equipment, therequired back-up on-orbit equipment and the test equipment." She continues, "Some portions of the equipment system can bepurchased, but much of it would need to be built. Once the teampurchases or builds the equipment. Next comes the special testingfor space and getting the equipment certified (probably by ESA) andfinally manifesting the system for launch. All of that will takemany months and help from ARISS volunteers from many countries." The mission, STS-122, brought seven astronauts to the ISS: CommanderStephen N. Frick, KD5DZC; Pilot Alan G. Poindexter; MissionSpecialist Rex J. Walheim; Mission Specialist Stanley G. Love;Mission Specialist Leland D. Melvin; Mission Specialist HansSchlegel, DG1KIH, of Germany, and Mission Specialist/Expedition 16Flight Engineer Leopold Eyharts, KE5FNO, of France. Flight EngineerDan Tani, KD5DXE, already on board the ISS, will depart whenAtlantis returns to Earth; Eyharts will stay behind on the ISS andtake his place. Atlantis will remain

at the ISS until February 18, making for a13-day flight. Touchdown is set for February 20.NNNN/EX

1275. Re: [amsat-bb] Re: Since We Are Off Topic Somewhat.... And drifting slightly

Yahoo group: eu-amsat
Date: 2008-02-16 10:35:57 UTC
From: Luc Leblanc
Topic: 1275 Message: 1275

On 16 Feb 2008 at 17:32, Tony Langdon wrote:

>
> Hope that extreme, imaginary example helps illustrate what's going on. :)
>
> Metric was used, because that's the direction NASA and space science
> is headed. I can work in either system myself... ;)
>

Hi Tony
Have a look at this NASA site one of the best tool to learn about orbital mechanics

http://solc.gsfc.nasa.gov/orbital_mech.html

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1276. Re: [amsat-bb] Re: sirius orbit name?

Yahoo group: eu-amsat
Date: 2008-02-22 14:58:46 UTC
From: Luc Leblanc
Topic: 1276 Message: 1276

On 21 Feb 2008 at 23:23, Alan Sieg WB5RMG wrote:

> >> The Sirius birds are in an "Inclined Orbit".
> > Is this type of orbit can be a solution for the next HEO?
>
> The reference to the Molniya orbit could be to recall the orbit of
> AO-13... slow high-altitude lingering Northern Hemisphere apogees,
> rotating ascending nodes about the globe to distribute coverage more
> evenly around the globe. Over the US, next over Europe, then over Asia.
> This was very popular at the time, and would likely be welcomed again.
>
> I would suspect that a 'tundra-inclined orbit', fixed over the US as the
> Sirius Radio Sats are, would not be as internationally well supported.

Hi Alan

When i wrote "Is this type of orbit can be a solution for the next HEO?" i was reading that the AMSAT´s main missions which include the
geosynchronous Phase IV Lite rideshare opportunity with Intelsat will do exactly what you said above " I would suspect that a 'tundra-
inclined orbit', fixed over the US as the Sirius Radio Sats are, would not be as internationally well supported."

How much of the international funds given to AMSAT-NA by the various international contributors will be diverted to the intelsat project?
and how much of the very restricted humans ressources will also be diverted to this project detrimental to the others?

On February 7 2007 the following document has been signed by Peter DB2OS, Rick W2GPS J, Jim G3WGM

Memorandum of Understanding between
AMSAT-DL, AMSAT-UK and AMSAT-NA

AMSAT-DL for the last five years has been building the P3-E spacecraft to be launched into a HEO and intended as a replacement for previous P3 satellites. It's purpose is to facilitate communication between radio-amateurs worldwide and at the same time to test and verify technologies and procedures needed for the P5-A mission to Mars. AMSAT-DL to this day has invested about 500,000 Euro into this project.

AMSAT-NA and AMSAT-UK wish to contribute to the P3-E project, primarily with the goal to have the launch of P3-E as early as possible in order to give to their respective members the use of the communication services provided by P3-E.

It is recognized that the capability of AMSAT-DL to raise funds limits the speed of the development of P3-E. In order to make a launch possible in 2008, AMSAT-DL has an immediate need of 40,000 Euro and an estimated need of ~200,000 Euro prior to the actual launch-date. AMSAT-NA and AMSAT-UK wish to help with the raising of these requirements by providing 30,000 Euro (AMSAT-NA) and 10,000 Euro (AMSAT-UK) in the near future. Furthermore, they wish to contribute by raising additional funding as the actual launch arrangements materialize. In order to achieve an effective cooperation in the funding effort and the construction and launching of P3-E, the following details to implement the cooperation are agreed:

1. The three AMSAT organizations will closely coordinate their activities and monitor progress of the project by frequent mutual consultations on the telephone. To this end the three parties will hold nominally a monthly telephone conference to review the status of the project and to identify problem areas. At this time the three organizations will be represented by Rick, Jim and Peter at these telephone-conferences.

2. According to need, the three organizations agree to hold sufficiently frequent meetings in person to review the project status. These meetings are assumed to be desirable with a frequency of 6-12 month between them.

3. It is understood by all three organizations that procuring a timely launch for P3-E is one of the bigger challenges of the project. AMSAT-DL is concentrating major efforts of procuring a launch with Arianespace, while AMSAT-NA is trying to develop a launch opportunity within the USA. All parties recognize that major progress in funding is contingent on a firm launch agreement. All parties further recognize that a timely construction and integration of P3-E is critically dependent on all parties giving highest priority to fulfilling their respective commitments.

4. All three organizations understand that funding progress is dependent on effective information dissemination worldwide. To this end the three organizations reiterate their mutual agreement that each organization can publish all P3-E related publications of the other two organizations in their respective public organs without special permission. Furthermore, each organization is free to prepare 'official' statements about the project, but these publications must be agreed with the project management of P3-E (AMSAT-DL) prior to publication. Requests for agreement to publish will be sent to Peter (or another person chosen by him), who will use best efforts to respond within 7 days with an answer. With other publications by individual authors no such agreement is necessary provided that the context makes it is clear that the publication is not an official declaration by the project management or AMSAT-DL.

5. AMSAT-DL reiterates that the operational use of P3-E will be primarily to provide amateur radio communication services. But all parties also understand that the spacecraft is a dual service satellite, and that AMSAT-DL retains the right to occasionally reduce the provision of amateur radio services if work towards P5-A requires this. A-DL will use due diligence to minimize the impact of the P5-A requirements on the provision of amateur services.

For AMSAT-DL For AMSAT-NA For AMSAT-UK

Peter DB2OS Rick W2GPS J Jim G3WGM

In the scope of this agreement i believe the two europeans AMSAT'S where consulted and they probably actively supported this AMSAT-NA
intelsat project? But from my point of view it looks like some sort of treason? But with any choice of target of opportunity it is very
easy for some to not even respect their own signatures...

I send you this message directly and also on EU-AMSAT YAHOO GROUP as the AMSAT président Hambly wrote me on April 7 2007
and i quote him

"Your messages will now be moderated. Any messages containing political
content, even if somehow justified as satellite related, will be rejected.
So will messages where you violate people's privacy by posting their private
messages. Any messages considered inflammatory will also be rejected.

I am sorry to have to take this action and I do not wish to create conflict
but your messages are being read by people in a position to be very helpful
to AMSAT's ability to build and launch satellites and they are not pleased.
If you wish to criticize this or any other AMSAT action, please direct those
comments to the responsible individuals rather than the AMSAT-BB list.

Rick
W2GPS
AMSAT LM2232"

As he or she the AMSAT-NA censor in chief (Who he or she supposed to lived in the best democracy in the world...;)) in the back of his
closet will probably block this one again i just hope November 2008 will send a fresh new breeze pushing away this awful rotten smell...

It is an outsider opinion but on the internet we are now living in the same life even if some choose to live in a second one!

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1277. Re: [amsat-bb] Big brother some smaller now

Yahoo group: eu-amsat
Date: 2008-02-22 15:14:04 UTC
From: Luc Leblanc
Topic: 1277 Message: 1277

On 22 Feb 2008 at 5:09, William Leijenaar wrote:

> Hi AMSATs,
>
> I have been off-air for some long time because of a holliday travel in Asia. Now in Hong Kong I've seen on HK-TV news that the Americans have distroyed one of their spy satellites.
>
> So "Big Brother" is a little smaller now hihi.
> To see more about the news I checked amsat-bb and seen that the satellite didn't lasted long.
>
> Snip:
> > Known by its military designation US 193, the satellite was launched
> > in December 2006. It lost power and its central computer failed
> > almost immediately afterward, leaving it uncontrollable. It carried a
> > sophisticated and secret imaging sensor.
>
> Maybe we hams are not that bad with making satellites hihi...
>
> I don't really understand why they use a milti-milion dollar rocket system to blow up some multi-miltion dollar satellite. Propably its more than only a damaged satellite. But I guess we will never know this.
>
> 73, William

Strong arm demonstration

Cold war era pushing by the actual administration to show off the russian and the chinese how strong my father over your father...child
play but who can killed millions if are not stopped. The reason given dangerous fuel... but what about the major polluter in the world
(Canada is not too far behind...) Would you prefer a quick death by hydrazine or chunk of steel on the head or a slow poisoning death?

To conclude it is a target of opportunity an answer to the Chinese and a well orchestred show hiding much more than this hydrazine excuses
my sources says...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1278. S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 11:47:34 UTC
From: John Hackett
Topic: 1278 Message: 1278

Hi All,
I note that AO-51 is in V/S followed by L/S mode until the end of February.

Before braving the elements (full storm today) and "throwing" up a 20 element helix with 2.4Ghz - 70cm converter mounted on the rear I thought I'd ask if there is any activity on AO-51's S-band downlink on 2401.200Mhz FM over Europe ??.

If not, it would be a complete waste of time.

73 John. <la2qaa@...>

1279. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 12:08:57 UTC
From: Thomas Frey
Topic: 1278 Message: 1279

John Hackett schrieb:
> Hi All,
> I note that AO-51 is in V/S followed by L/S mode until the
> end of February.
>
> Before braving the elements (full storm today) and "throwing" up a 20
> element helix with 2.4Ghz - 70cm converter mounted on the rear I
> thought I'd ask if there is any activity on AO-51's S-band downlink on
> 2401.200Mhz FM over Europe ??.
>
> If not, it would be a complete waste of time.
>
> 73 John. <la2qaa@...>
>
No, try it John. The Mode is V/US, so you can hear the same on S-
as on U-Downlink.

I have no luck with my 1.2 meter Dish with RHCP helix-feed. The antenna
is under my roof and AO-51 transmits only with about 400 mW. I think this
and RHCP vs. linear polarisation is the reason, why I can hear nothing.
The last S-Downlink I heard was from UO-11 and my own generator of course.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1280. Re: S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 13:37:04 UTC
From: Hartmut Paesler
Topic: 1278 Message: 1280

Hi John,

some months ago, there was quite much activity in mode L/S.
It's definitely worth a try and not a waste of time at all.

73 Hartmut DL1YDD

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi All,
> I note that AO-51 is in V/S followed by L/S mode until the
end of February.
>
> Before braving the elements (full storm today) and "throwing" up a
20 element helix with 2.4Ghz - 70cm converter mounted on the rear I
thought I'd ask if there is any activity on AO-51's S-band downlink on
2401.200Mhz FM over Europe ??.
>
> If not, it would be a complete waste of time.
>
> 73 John. <la2qaa@...>
>

1281. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 13:45:34 UTC
From: SV1BSX
Topic: 1278 Message: 1281

Hi all

I completely disagree with Thomas.

I can hear the S-Band downlink very-very strong, just by using my "Patch-feeder" - without Dish !

The Dish is not necessary as the Downlink signal is ...Booooming on S-Band.
On the other hand, the standalone Patch-feeder has much more wide lobe, and that is very usefull... you don't need to follow the Satellite "degree by degree" as happens with the Dish.

Therefore, it is not a waste of time at all dr John. The only problem it's the "sharp" Doppler effect, if you havn't an auto-Doppler correction system.

73, Mak SV1BSX

PS: for the history, I am using a CalAmp 31732 "modified" DownConverter (2.4 GHz => 145 MHz) and a homebrew LHCP Patch feeder (by K3TZ).
That's all my system for S-band.

---
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1282. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 16:44:01 UTC
From: Luc Leblanc
Topic: 1278 Message: 1282

On 24 Feb 2008 at 15:45, SV1BSX wrote:

> Hi all
>
> I completely disagree with Thomas.
>
> I can hear the S-Band downlink very-very strong, just by using my
> "Patch-feeder" - without Dish !
>
> The Dish is not necessary as the Downlink signal is ...Booooming on
> S-Band.
> On the other hand, the standalone Patch-feeder has much more wide lobe, and
> that is very usefull... you don't need to follow the Satellite "degree by
> degree" as happens with the Dish.
>
> Therefore, it is not a waste of time at all dr John. The only problem it's
> the "sharp" Doppler effect, if you havn't an auto-Doppler correction
> system.
>
> 73, Mak SV1BSX
>
>
Hi Mak

My last S band test here was producing exactly what you said with a BBQ grill antenna. Very strong signal but with very deep fades up to a
point where i cannot copy in those dip. Do you experience this with your patch element? I have one already installed but not connected on
the tower but as John says we are still in winter at our latitudes and i don't want to play outside just for the fun of it...at minus 15C.

Thank's for your answer

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1283. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 16:45:47 UTC
From: Thomas Frey
Topic: 1278 Message: 1283

SV1BSX schrieb:
> Hi all
>
> I completely disagree with Thomas.
>
OK Mak, I know, a Dish _under_ a roof is not the optimum. But on Mode-L
it works with 10 meter of a thick coax and 15 W power, also via AO-51.
The roof is not isolated.

> I can hear the S-Band downlink very-very strong, just by using my
> "Patch-feeder" - without Dish !
>
> The Dish is not necessary as the Downlink signal is ...Booooming on
> S-Band.
> On the other hand, the standalone Patch-feeder has much more wide lobe, and
> that is very usefull... you don't need to follow the Satellite "degree by
> degree" as happens with the Dish.
>
I agree if your antenna has free sight to the satellite. The time will
come with more satellites with a S-Downlink to experiment.

> Therefore, it is not a waste of time at all dr John. The only problem it's
> the "sharp" Doppler effect, if you havn't an auto-Doppler correction
> system.
>
> 73, Mak SV1BSX
>
> PS: for the history, I am using a CalAmp 31732 "modified" DownConverter
> (2.4 GHz => 145 MHz) and a homebrew LHCP Patch feeder (by K3TZ).
> That's all my system for S-band.
>
I use LHCP helix feeds (not RHCP) and a SSB downconverter.

Can you tell me the exact Downlink-QRG +- Doppler from AO-51 Mode-S
please ? I'm listening on the published 2401.200 MHz.

Thanks and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1284. Thank !! you.

Yahoo group: eu-amsat
Date: 2008-02-24 17:12:47 UTC
From: John Hackett
Topic: 1284 Message: 1284

A big thank you to everybody who replied to my S-band query.

Very much appreciated indeed.

Luc obviously knows the WX conditions here hi ... We're not all as lucky as Mak in Sunny Greece ... but these gale-force winds wouldn't do Aldert's 'rotor' (the windmill) much good.

Thanks again Gents.

73 John. <la2qaa@...>

1285. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 20:51:07 UTC
From: SV1BSX
Topic: 1278 Message: 1285

Luc,

it's impossible to avoid completely the "deep fade effect" on the AO-51, even if used a CP Patch.
That is 100% sure because the Satellite is spining and tumbling, so the polarization is changing and due to the S-band, the effect is much more noticeable.

For example, by using a LHCP Patch as RX antenna we have the following scenarios:

*When the AO-51 signal is LHCP is the best RX condition (pol. matching).
*When the AO-51 signal is Linear polarized (Horizontal or Vertical), in both cases the Loss is -3 dB
*When the AO-51 signal is RHCP the Loss is -20 to -30 dB.

By using a dipole (ie Horizontal polarized) as RX antenna we have:

*When the AO-51 signal is Horizontal polarized is the best RX-condition.
*When the AO-51 signal is Vertical polarized, the receiving is -20 to -30 dB.
*When the AO-51 signal is Circular polarized (RHCP or LHCP) the receiving is -3dB.

So, as abovementioned there is not a significant benefit with Patch. Theoretically in all cases you have 25% odds for a "deep-fade effect".

However, I have not your problem in order to copy the Satellite, because my receiving signal on my 2 meter RIG is usually 9+++. If a deep-fading occurs, I have just a smaller deflection on my S-meter but, I can easily copy the Satellite, without problem.

For the history, I remember a few months ago a story. I had placed on a tripod my S-Band gear on my backyard , and I made 2-3 QSOs when the Satellite was high enough in Elevation.

The funny was that, the ON5NY completely ...surprised (!) when I said to him my working-conditions from my Backyard - without a Dish, around the high-walls of my neighbor buildings !

73, Mak SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, February 24, 2008 6:44 PM
Subject: Re: [eu-amsat] S-band.

> On 24 Feb 2008 at 15:45, SV1BSX wrote:
>
>> Hi all
>>
>> I completely disagree with Thomas.
>>
>> I can hear the S-Band downlink very-very strong, just by using my
>> "Patch-feeder" - without Dish !
>>
>> The Dish is not necessary as the Downlink signal is ...Booooming on
>> S-Band.
>> On the other hand, the standalone Patch-feeder has much more wide lobe,
>> and
>> that is very usefull... you don't need to follow the Satellite "degree by
>> degree" as happens with the Dish.
>>
>> Therefore, it is not a waste of time at all dr John. The only problem
>> it's
>> the "sharp" Doppler effect, if you havn't an auto-Doppler correction
>> system.
>>
>> 73, Mak SV1BSX
>>
>>
> Hi Mak
>
> My last S band test here was producing exactly what you said with a BBQ
> grill antenna. Very strong signal but with very deep fades up to a
> point where i cannot copy in those dip. Do you experience this with your
> patch element? I have one already installed but not connected on
> the tower but as John says we are still in winter at our latitudes and i
> don't want to play outside just for the fun of it...at minus 15C.
>
> Thank's for your answer
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

---
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1286. Re: [eu-amsat] S-band.

Yahoo group: eu-amsat
Date: 2008-02-24 21:21:28 UTC
From: SV1BSX
Topic: 1278 Message: 1286

Hi Thomas,

I am using "LHCP Patch" not because that is the optimum, but just because this Patch was made & placed on my Dish for AO-40 reception (which it was RHCP). As the Dish inverts the polarity, we need the opposite polarization on the feeder.

I can't say exactly the QRG... my DownConverter is drifting high enough the first hour of operation due to XTAL thermal-instability and the frequency on my VHF-IF also varying (x 256 times = multiplier) depending upon XTAL's inaccuracy.
But I am not worry about, as it's not necessary to know the precisely QRG... when the Satellite is "in my range", just a "rolling" on my frequency-Dial is enough to find the... Booming downlink. My S-meter spectacular rising, if the Sat-frequency is close.

But the Doppler is about ... 50 KHZ ! And sometimes on overhead passes - when the Doppler is very sharp & fast, it's very difficult to tune my receiver indeed, even if used 1 KHz step. That is true.
May be it's more comfortable a 5 KHz -step, but I have not try it yet.

73, Mak SV1BSX

>>
> I use LHCP helix feeds (not RHCP) and a SSB downconverter.
>
> Can you tell me the exact Downlink-QRG +- Doppler from AO-51 Mode-S
> please ? I'm listening on the published 2401.200 MHz.
>
>
>
> Thanks and 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

---
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http://www.avast.com

1287. An idea

Yahoo group: eu-amsat
Date: 2008-02-24 21:25:20 UTC
From: John Hackett
Topic: 1287 Message: 1287

Mak, your postings re: the patch gave me an idea.

I was thinking of using my portable 20 turn helical on a plastic tube for AO-51 but it would probably be a bit too sharp with that amount of gain... also, it would entail aerials in both hands ... (uplink/downlink) ... then I thought, if the downlink on S-band is that strong that you use a patch without a dish, maybe it's possible to integrate a patch onto the Arrow ... on a sub-boom, above, below or beside ... thereby, one hand only operation.

(The madman strikes again).

I have seen lots of patches on various websites but wonder which particular version you are using ?.

I have a mobile phone mount attached to the back of my Arrow and have the 'SATme' tracking program on my mobile phone so I can see the Az: , El: and doppler at all times while I'm pointing the aerial ... an advantage on S-mode .... though I must admit, I havn't operated S-mode since the demise of AO-13 but I do recall the dopplerrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr

73 John. <la2qaa@...>

1288. Question from a new member

Yahoo group: eu-amsat
Date: 2008-02-24 21:50:46 UTC
From: Pete Badham
Topic: 1288 Message: 1288

Evening all,

Joined the group this evening, so busy running through the information on here.

Our club has just received a nice fat cheque from the national Lottery awards for all scheme, and we have allotted about £1200 for sat antennas etc etc.

Now, unfortunately none of us are satellite experts by any stretch of the imagination, so I will be asking quite a few questions I can assure you. Our plan is to operate and demonstrate Amateur Radio to Joe Public, youth groups, school children etc and sat communication sits quite high on the list. We have a small box type trailer which we are planning on modifying to take the sat antennas on the roof section. We are aiming on making it as future proof as we can i.e. while we have the money to do so.

Now I am ok with the rotator system, we are going for a Yaesu G-5500 Mounted on a collapsible frame on top of the trailer, the antennas however are a different thing altogether. We had considered one of the hy-gain Oscar set-ups the DB-218 if I recall. I would like you opinions on this system and any ideas you can throw into the pot too. When I mentioned future proof, I was also referring to the various AMSAT activities and launches in the future too.

Any help gratefully received

Pete G0WXJ

www.wraa.co.uk <http://www.wraa.co.uk/>

1289. Fw: [amsat-bb] G1WPR

Yahoo group: eu-amsat
Date: 2008-02-24 23:56:15 UTC
From: SV1BSX
Topic: 1289 Message: 1289

```
----- Original Message -----
From: <k3szh@...>
To: <amsat-bb@...>
Sent: Monday, February 25, 2008 12:03 AM
Subject: [amsat-bb] G1WPR

As a friend of many years , with whom I've had many many windy
conversation's.I hold my TEA CUP high to congratulate you for your 3000
plus qso's on AO7.
PS.Even John LA2QAA our gate keeper will be proud of you,hi hi
73
Joe
Amsat 3788

---
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1290. Re: [eu-amsat] An idea

Yahoo group: eu-amsat
Date: 2008-02-25 00:33:41 UTC
From: SV1BSX
Topic: 1287 Message: 1290

Hi again,

yes John - is excellent idea. However this arrangement with S-Band onto an Arrow has been made a few years ago by Mark, VO1ONE (...sorry John - you have lost the "patent" !!).

http://www.freewebs.com/vo1one/sband.jpg

BTW I remember that, we had spent a lot of time on ON4KST's chat room, in order to explain to Mark
the construction details of a T-Bias! Finally he made it and with this system he spoke several times with European
stations. He was very active for a couple of months on FM Satellites - always /Portable, but after that...
nothing ! Disappeared !

==========

The PDF-file of my Patch-feeder that I'm using is here:

http://sv1bsx.50webs.com/Ao40/pdf/Patch_K3TZ.pdf

==========

As I remember from the "good old days" of AO-40, it was another Patch (by W0LMD)
with superior characteristics, but I did not make it in order to compare it with that of K3TZ, as the
AO-40 suffered the well known damage. You can find the PDF-file on the following Link:

http://sv1bsx.50webs.com/Ao40/pdf/Patch_W0LMD.pdf

Hope this helps.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: sv1bsx@yahoo.gr
Cc: Eu-amsat@yahoogroups.com
Sent: Sunday, February 24, 2008 11:25 PM
Subject: [eu-amsat] An idea

Mak, your postings re: the patch gave me an idea.

I was thinking of using my portable 20 turn helical on a plastic tube for AO-51 but it would probably be a bit too sharp with that amount of gain... also, it would entail aerials in both hands ... (uplink/downlink) ... then I thought, if the downlink on S-band is that strong that you use a patch without a dish, maybe it's possible to integrate a patch onto the Arrow ... on a sub-boom, above, below or beside ... thereby, one hand only operation.

(The madman strikes again).

I have seen lots of patches on various websites but wonder which particular version you are using ?.

I have a mobile phone mount attached to the back of my Arrow and have the 'SATme' tracking program on my mobile phone so I can see the Az: , El: and doppler at all times while I'm pointing the aerial ... an advantage on S-mode .... though I must admit, I havn't operated S-mode since the demise of AO-13 but I do recall the dopplerrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr

73 John. <la2qaa@...>

---

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1291. 3000 QSO's

Yahoo group: eu-amsat
Date: 2008-02-25 10:52:13 UTC
From: John Hackett
Topic: 1291 Message: 1291

Terry,
I hate !!!!!! you ... and if I was back in Blighty you could bet your Sunday britches I'd cut your coax !!! ... but I can tell you now mate, you're wasting your time chasing Joe .. that's about as sensible as a one legged man kicking "botty".

Congratulations !!! ... and one of these days I might even be able to afford a microphone!.

73 John. <la2qaa@amsat.org>

1292. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-02-25 17:29:52 UTC
From: wk73ch
Topic: 1226 Message: 1292

I am coming back to my original question and the helpful advices from the group. I have tested AO-7 Mode A with a Inverted-V for 29.45 MHz and I cut the loop (suggested by LA2QAA), but the results are not overwhelming. The titanex-vertical is equivalent to the loop. I heard several stations on orbit #52298, but had to turn the volume control of the FT-1000 to full power - the S-Meter never moved.

Should I build a preamp as next step, although the noise-level is already quite high ?

I will do another test with a ham friend, which has a magnetic loop (mentioned recently here).

Could it just be, that I live in a very noisy environment (without knowing, hi).

Thanks for your thoughts !

73
Werner, HB9BNK

1293. Re: [eu-amsat] Question from a new member

Yahoo group: eu-amsat
Date: 2008-02-26 00:16:03 UTC
From: SV1BSX
Topic: 1288 Message: 1293

Gentlemen,

a new member in our Group he asked a few things about Satellites and he looking for answers.

Anybody? Please?

Thanks in advance.

Mak SV1BSX
(Eu-AmSat's moderator)

----- Original Message -----
From: Pete Badham
To: eu-amsat@yahoogroups.com
Sent: Sunday, February 24, 2008 11:50 PM
Subject: [eu-amsat] Question from a new member

Evening all,

Joined the group this evening, so busy running through the information on here.

Our club has just received a nice fat cheque from the national Lottery awards for all scheme, and we have allotted about £1200 for sat antennas etc etc.

Now, unfortunately none of us are satellite experts by any stretch of the imagination, so I will be asking quite a few questions I can assure you. Our plan is to operate and demonstrate Amateur Radio to Joe Public, youth groups, school children etc and sat communication sits quite high on the list. We have a small box type trailer which we are planning on modifying to take the sat antennas on the roof section. We are aiming on making it as future proof as we can i.e. while we have the money to do so.

Now I am ok with the rotator system, we are going for a Yaesu G-5500 Mounted on a collapsible frame on top of the trailer, the antennas however are a different thing altogether. We had considered one of the hy-gain Oscar set-ups the DB-218 if I recall. I would like you opinions on this system and any ideas you can throw into the pot too. When I mentioned future proof, I was also referring to the various AMSAT activities and launches in the future too.

Any help gratefully received

Pete G0WXJ

www.wraa.co.uk

---

avast! Antivirus: Inbound message clean.

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Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/25/2008 1:16:03
avast! - copyright (c) 1988-2008 ALWIL Software.

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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/26/2008 2:16:08
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com
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1294. Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-02-26 01:05:20 UTC
From: SV1BSX
Topic: 1226 Message: 1294

Hello Werner,

as I wrote on a previous post here, I am using (always) a pre-amp for 10m.
It's a homebrew stuff, nothing expensive but I have excellent result with
that.
The LINK is:

http://sv1bsx.50webs.com/28mhz_pre/28mhz_pre.html

I don't know if in your case the result is better or not, as you mentioned
your "very noisy enviroment".

I can say just my experience: without this pre-amp it's impossible to hear
the AO-7. Definitely. But my receiver is not an ..FT1000 !
It's just a vintage receiver by Yaesu (FRG 7000) which is a little-bit
"deaf"
on 10 m. Band.

So I'm thinking that, if your receiver is very "sensitive" and you can not
hear
the Satellite from your "poor antenna", in this case yes, the noise on your
receiving system it could be worst by using another pre-amp stage.

The best scenario is to add the pre-amp not in Shack, but "just" behind of
your
antenna (I mean in the roof - behind the Antenna's "feed-point").
Thus, you have the great arrangement and I am sure, the receiving it
should be much better. But that is not very easy, indeed. You need
a water-proof Box and some T-Bias in order to be able to feed the
pre-amp through the same Coaxial cable.

And, this way just forget the ..TX ! It's only for reception that.
If you press the MIC, then your pre-amp will be a nice... toast,
baked by ... 100 Watts RF power !

Finally, before any experiment or pre-amp construction, keep in mind that:

you have just about a month to enjoy the Mode-A every 2nd day, as the
AO-7 comes again to eclipse-period at the beginning of May 2008.

Good Luck.

73 de Mak, SV1BSX

----- Original Message -----
From: "wk73ch" <hb9bnk@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, February 25, 2008 7:29 PM

Subject: [eu-amsat] Re: Konfiguration for AO-7 Mode A

>I am coming back to my original question and the helpful advices from
> the group. I have tested AO-7 Mode A with a Inverted-V for 29.45 MHz
> and I cut the loop (suggested by LA2QAA), but the results are not
> overwhelming. The titanex-vertical is equivalent to the loop. I heard
> several stations on orbit #52298, but had to turn the volume control
> of the FT-1000 to full power - the S-Meter never moved.
>
> Should I build a preamp as next step, although the noise-level is
> already quite high ?
>
> I will do another test with a ham friend, which has a magnetic loop
> (mentioned recently here).
>
> Could it just be, that I live in a very noisy environment (without
> knowing, hi).
>
> Thanks for your thoughts !
>
> 73
> Werner, HB9BNK
>
>
>
>
> Yahoo! Groups Links
>
>
>
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>
> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 080219-0, 02/19/2008
> Tested on: 2/25/2008 22:35:27
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/26/2008 3:05:28
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1295. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-02-26 14:14:49 UTC
From: wk73ch
Topic: 1226 Message: 1295

Hello Mak,

Thank you very much for your informations. I am already collecting parts for the preamp - as per your webpage !

Concerning the quality of my receiver: I found in the satellite experimenter's Handbook a comment about a good preamp for 29MHz:
...This is true even with expensive receivers, because they've been designed to satisfy the less-stringent sensitivity requirements (noise factor) for terrestrial communications.....

So, this is my next step; After a few days of holiday, I will start and also try your antenna ideas

Looking forward to hear you - and the group - loud and clear - hi

73, Werner HB9BNK

1296. Re: [eu-amsat] Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-02-26 15:08:04 UTC
From: Thomas Frey
Topic: 1226 Message: 1296

wk73ch schrieb:
> Hello Mak,
>
> Thank you very much for your informations. I am already collecting
> parts for the preamp - as per your webpage !
>
> Concerning the quality of my receiver: I found in the satellite
> experimenter's Handbook a comment about a good preamp for 29MHz:
> ...This is true even with expensive receivers, because they've been
> designed to satisfy the less-stringent sensitivity requirements (noise
> factor) for terrestrial communications.....
>
> So, this is my next step; After a few days of holiday, I will start
> and also try your antenna ideas
>
> Looking forward to hear you - and the group - loud and clear - hi
>
> 73, Werner HB9BNK
>
>
Hallo Werner

You can also test via HB9HD, see http://www.hb9hd.ch/ . Just an idea.

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1297. S-band test gear.

Yahoo group: eu-amsat
Date: 2008-02-27 11:22:53 UTC
From: John Hackett
Topic: 1297 Message: 1297
Attachments: 1 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. February 2008.

Based on SV1BSX's comments about receiving a *THUNDERING* signal from AO-51's S-band transmitter on a patch antenna 'without' a reflector - I decided to chuck together a few components to see if somebody as 'thick' as LA2QAA could manage it.

The attached pic is the ... 'fruits of LA2QAA's labour'.

Starting at the top right we have a silver covered brass plate 2.4Ghz patch antenna (note the real gold SMA connector, folks) mounted 3mm over a (ditto) groundplane, via a short length of high quality (fell off the back of a North Sea Oil industry lorry) coax feeding the input of a 2.4G 70 70cm converter ... the output of which goes to the IC-E91 dual mode handheld and a pair of 'cans' ... (headphones, to you!).

To the right of the IC-E91 is a Nokia N70 mobile phone - (not shown in this pic because I was using it to take the picture) - with the 'SATme' tracking software ... which is very !! useful for tracking S-mode signals from LEO birds with the 'slight' doppler thus received.

The phone also contains a compas as well as GPS software so there's no excuse for ... 'but I can't find north' ... (not always easy in 3 feet of snow, null visibility and cloudy conditions) ... and there's *NEVER* a brownie or a girl guide around when you want one.

S-band signals in those conditions? ... you'd be surprised - we don't all live in satellite friendly climes you know.

Mak (SV1BSX) is right. A 60cm dish is overkill for AO-51 mode-S ... though of course, there are! those that think you need a personal
Jodrell Bank to hear anything above 70cm.

1298. Re: Konfiguration for AO-7 Mode A

Yahoo group: eu-amsat
Date: 2008-02-27 13:05:25 UTC
From: wk73ch
Topic: 1226 Message: 1298

Thanks Thomas for a good idea ! noted !!

73 de Werner, HB9BNK

> Hallo Werner
>
> You can also test via HB9HD, see http://www.hb9hd.ch/ . Just an idea.
>
>
>
> Mit freundlichen Grüssen, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

1299. S-band patch.

Yahoo group: eu-amsat
Date: 2008-02-27 18:12:58 UTC
From: John Hackett
Topic: 1299 Message: 1299

Mak,
I can assure you the patch *IS* correct.

The photo is taken from the rear, what you are seeing in the photo is the 'rear' of the reflector and the back end of the gold SMA connector.

The radiator - (hidden by the larger reflector, in the photo) - is connected to the pip of the SMA connector and is mounted 3mm 'above' the reflector.

The radiator is 'cut' for 2401Mhz and is made from silver plated brass sheet ... bas is the reflector.

I think what may have fooled you is ...

1) Not realising you were looking at the rear of the patch.
2) The fact that my reflector is square, not round.

The G3RUH design uses a round reflector, the K3OE uses square.

As far as I can assertain there is no practical difference between the designs.

73 John. <la2qaa@...>

73 John.

From: sv1bsx@...
To: la2qaa@...
Subject: Re: [eu-amsat] S-band test gear.
Date: Wed, 27 Feb 2008 15:03:14 +0200

Hi John,

I read your post but I am afraid that, your
PATCH is not correct. Sorry if I am wrong, but due to non-clear photo I
can see
on the Left-UP part of photo ONLY
the "drive element" of Patch (the square-piece with cut-corners) without
the "circular piece" behind of drive-element which acts as
reflector.
As I see also in your photo, the chassis-connector is
mounted on this square piece and not to the
circular reflector.

If that is not my... illusion, that is not a
correct Patch. I send you a clear photo to take a view how is the
complete Patch by viewing that from the front-side.

73, Mak

----- Original Message -----
From:
John Hackett
To: allan_gm1sxx@...
Cc: sv1bsx@... ; amsat-bb@... ; Eu-amsat@yahoogroups.com
Sent: Wednesday, February 27, 2008 1:22
PM
Subject: [eu-amsat] S-band test
gear.

OBSERVATIONS FROM
NORWAY. February
2008.

Based on SV1BSX's comments about receiving a *THUNDERING* signal
from AO-51's S-band transmitter on a patch antenna 'without' a reflector - I
decided to chuck together a few components to see if somebody as 'thick' as
LA2QAA could manage it.

The attached pic is the ... 'fruits of LA2QAA's
labour'.

Starting at the top right we have a silver covered brass plate
2.4Ghz patch antenna (note the real gold SMA connector, folks) mounted 3mm
over a (ditto) groundplane, via a short length of high quality (fell off the
back of a North Sea Oil industry lorry) coax feeding the input of a 2.4G
70 70cm converter ... the output of which goes to the IC-E91 dual mode
handheld and a pair of 'cans' ... (headphones, to you!).

To the right
of the IC-E91 is a Nokia N70 mobile phone - (not shown in this pic because I
was using it to take the picture) - with the 'SATme' tracking software ....
which is very !! useful for tracking S-mode signals from LEO birds with the
'slight' doppler thus received.

The phone also contains a compas as
well as GPS software so there's no excuse for ... 'but I can't find north' ...
(not always easy in 3 feet of snow, null visibility and cloudy conditions) ...
and there's *NEVER* a brownie or a girl guide around when you want one.

S-band signals in those conditions? ... you'd be surprised - we don't
all live in satellite friendly climes you know.

Mak (SV1BSX) is right.
A 60cm dish is overkill for AO-51 mode-S ... though of course, there are!
those that think you need a personal
Jodrell Bank to hear anything above
70cm.

---
avast! Antivirus: Inbound message clean.
Virus
Database (VPS): 080219-0, 02/19/2008

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Tested on: 2/27/2008
13:54:17
avast! - copyright (c) 1988-2008 ALWIL
Software.
http://www.avast.com
```

1300. Re: [eu-amsat] S-band patch.

Yahoo group: eu-amsat
Date: 2008-02-28 01:41:26 UTC
From: SV1BSX
Topic: 1299 Message: 1300

....OK my friend John, don't .. shoot me! I said, your photo is not clear enough.

The only objection that I have is about the cutting-corners of reflector. That is necessary only
on the Patch, NEVER in a square reflector. So, I was confused from this detail.
I was thinking that is the Patch and not the reflector.

The reason for the 2 cutting-corners it's just a "combination" in order to achieve Circular Polarization by building the Patch with 2 different resonance frequencies in orthogonal directions. The so-called corners truncated Patch is a technique widely used on GPS antennas. I don't know if you following precisely the Patch-model of K3OE and if his version
uses a reflector with cutting-corners, but if that is true, sorry - and don't blame me, but I completely disagree with this version.
It's absolutely wrong a reflector with cutting corners and may be that it's a problem for the Patch's efficiency.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: SV1BSX
Cc: Eu-amsat@yahoogroups.com ; amsat-bb@...
Sent: Wednesday, February 27, 2008 8:12 PM
Subject: [eu-amsat] S-band patch.

Mak,
I can assure you the patch *IS* correct.

The photo is taken from the rear, what you are seeing in the photo is the 'rear' of the reflector and the back end of the gold SMA connector.

The radiator - (hidden by the larger reflector, in the photo) - is connected to the pip of the SMA connector and is mounted 3mm 'above' the reflector.

The radiator is 'cut' for 2401Mhz and is made from silver plated brass sheet ... bas is the reflector.

I think what may have fooled you is ...

1) Not realising you were looking at the rear of the patch.
2) The fact that my reflector is square, not round.

The G3RUH design uses a round reflector, the K3OE uses square.

As far as I can assertain there is no practical difference between the designs.

73 John. <la2qaa@...>

73 John.

From: sv1bsx@...
To: la2qaa@amsat.org
Subject: Re: [eu-amsat] S-band test gear.
Date: Wed, 27 Feb 2008 15:03:14 +0200

Hi John,

I read your post but I am afraid that, your PATCH is not correct. Sorry if I am wrong, but due to non-clear photo I can see
on the Left-UP part of photo ONLY the "drive element" of Patch (the square-piece with cut-corners) without the "circular piece" behind of drive-element which acts as reflector. As I see also in your photo, the chassis-connector is mounted on this square piece and not to the circular reflector.

If that is not my... illusion, that is not a correct Patch. I send you a clear photo to take a view how is the
complete Patch by viewing that from the front-side.

73, Mak
----- Original Message -----
From: John Hackett
To: allan_gm1sxx@hotmail.com
Cc: sv1bsx@... ; amsat-bb@... ; Eu-amsat@yahoogroups.com
Sent: Wednesday, February 27, 2008 1:22 PM
Subject: [eu-amsat] S-band test gear.

OBSERVATIONS FROM NORWAY. February 2008.

Based on SV1BSX's comments about receiving a *THUNDERING* signal from AO-51's S-band transmitter on a patch antenna 'without' a reflector - I decided to chuck together a few components to see if somebody as 'thick' as LA2QAA could manage it.

The attached pic is the ... 'fruits of LA2QAA's labour'.

Starting at the top right we have a silver covered brass plate 2.4Ghz patch antenna (note the real gold SMA connector, folks) mounted 3mm over a (ditto) groundplane, via a short length of high quality (fell off the back of a North Sea Oil industry lorry) coax feeding the input of a 2.4G 70 70cm converter ... the output of which goes to the IC-E91 dual mode handheld and a pair of 'cans' ... (headphones, to you!).

To the right of the IC-E91 is a Nokia N70 mobile phone - (not shown in this pic because I was using it to take the picture) - with the 'SATme' tracking software .... which is very !! useful for tracking S-mode signals from LEO birds with the 'slight' doppler thus received.

The phone also contains a compas as well as GPS software so there's no excuse for ... 'but I can't find north' ... (not always easy in 3 feet of snow, null visibility and cloudy conditions) ... and there's *NEVER* a brownie or a girl guide around when you want one.

S-band signals in those conditions? ... you'd be surprised - we don't all live in satellite friendly climes you know.

Mak (SV1BSX) is right. A 60cm dish is overkill for AO-51 mode-S .... though of course, there are! those that think you need a personal
Jodrell Bank to hear anything above 70cm.

---
avast! Antivirus: Inbound message clean.
Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/27/2008 13:54:17
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http://www.avast.com

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avast! Antivirus: Inbound message clean.

Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/28/2008 1:47:16
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avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/28/2008 3:41:31
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http://www.avast.com

1301. S-band test gear.

Yahoo group: eu-amsat
Date: 2008-02-28 08:53:12 UTC
From: John Hackett
Topic: 1297 Message: 1301

Certainly Kevin,

<http:www.observations.biz> Observations From Norway, article 1 for 2008.
.....
..

73 John. <la2qaa@...>

> From: kevin.j.smith@...
> To: la2qaa@...
> Subject: RE: [amsat-bb] S-band test gear.
> Date: Wed, 27 Feb 2008 21:44:17 -0500
>
> John,
>
> You may have been told this already but your attachment(s) was stripped off
> before posting to the Amsat BB. It's a shame because would have liked to
> see it(them). Do you have a website to see your pictures? - Kevin/N3HKQ
>
> -----Original Message-----
> From: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] On
> Behalf Of John Hackett
> Sent: Wednesday, February 27, 2008 6:23 AM
> To: allan_gm1sxx@...
> Cc: amsat-bb@amsat.org; Eu-amsat@yahoogroups.com
> Subject: [amsat-bb] S-band test gear.
>
>
> OBSERVATIONS FROM NORWAY. February 2008.
>
> Based on SV1BSX's comments about receiving a *THUNDERING* signal from
> AO-51's S-band transmitter on a patch antenna 'without' a reflector - I
> decided to chuck together a few components to see if somebody as 'thick' as
> LA2QAA could manage it.
>
> The attached pic is the ... 'fruits of LA2QAA's labour'.
>
> Starting at the top right we have a silver covered brass plate 2.4Ghz patch
> antenna (note the real gold SMA connector, folks) mounted 3mm over a (ditto)
> groundplane, via a short length of high quality (fell off the back of a
> North Sea Oil industry lorry) coax feeding the input of a 2.4G 70 70cm
> converter ... the output of which goes to the IC-E91 dual mode handheld and
> a pair of 'cans' ... (headphones, to you!).
>
> To the right of the IC-E91 is a Nokia N70 mobile phone - (not shown in this
> pic because I was using it to take the picture) - with the 'SATme' tracking

> software ... which is very !! useful for tracking S-mode signals from LEO
> birds with the 'slight' doppler thus received.
>
> The phone also contains a compas as well as GPS software so there's no
> excuse for ... 'but I can't find north' ... (not always easy in 3 feet of
> snow, null visibility and cloudy conditions) ... and there's *NEVER* a
> brownie or a girl guide around when you want one.
>
> S-band signals in those conditions? ... you'd be surprised - we don't all
> live in satellite friendly climes you know.
>
> Mak (SV1BSX) is right. A 60cm dish is overkill for AO-51 mode-S ... though
> of course, there are! those that think you need a personal Jodrell Bank to
> hear anything above 70cm.
>

1302. RE: [eu-amsat] S-band patch.

Yahoo group: eu-amsat
Date: 2008-02-28 08:48:17 UTC
From: John Hackett
Topic: 1299 Message: 1302

Mak,
Yes, right again ! - you obviously know more about patch antennas than I do. The reason the corner is cut on the "13cm" reflector is because it is/was part of a dual bandpatch antenna (but shown here without the 23cm part) where the 13cm REFLECTOR is also the 23cm RADIATOR ... otherwise, as usual, we're in total agreement.

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 28 Feb 2008 03:41:26 +0200
Subject: Re: [eu-amsat] S-band patch.

...OK my friend John, don't .. shoot me! I said,
your photo is not clear enough.

The only objection that I have is about the
cutting-corners of reflector. That is necessary only
on the Patch, NEVER in a square reflector. So, I was
confused from this detail.
I was thinking that is the Patch and not the reflector.

The reason for the 2 cutting-corners
it's just a "combination" in order to achieve Circular
Polarization by building the Patch with 2 different
resonance frequencies in orthogonal
directions. The so-called corners truncated Patch is a
technique widely used on GPS
antennas. I don't know if you following precisely
the Patch-model of K3OE and if his version
uses a reflector with cutting-corners, but if that is
true, sorry - and don't blame me, but
I completely disagree with this version.
It's absolutely wrong a reflector with cutting corners and
may be that it's a problem
for the Patch's efficiency.

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: SV1BSX
Cc: Eu-amsat@yahoogroups.com ; amsat-bb@...
Sent: Wednesday, February 27, 2008 8:12
PM
Subject: [eu-amsat] S-band patch.

Mak,
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the patch *IS* correct.

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seeing in the photo is the 'rear' of the reflector and the back end of the
gold SMA connector.

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the photo) - is connected to the pip of the SMA connector and is mounted
3mm 'above' the reflector.

The radiator is 'cut' for 2401Mhz and
is made from silver plated brass sheet ... bas is the
reflector.

I think what may have fooled you is ...

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realising you were looking at the rear of the patch.
2) The fact that my
reflector is square, not round.

The G3RUH design uses a round
reflector, the K3OE uses square.

As far as I can assertain there
is no practical difference between the designs.

73 John.
<la2qaa@...>

73 John.

From: sv1bsx@...
To: la2qaa@...
Subject: Re: [eu-amsat]
S-band test gear.
Date: Wed, 27 Feb 2008 15:03:14 +0200

Hi John,

I read your post but I am afraid that, your
PATCH is not correct. Sorry if I am wrong, but due to non-clear photo
I can see
on the Left-UP part of photo ONLY the "drive element" of Patch (the square-piece with
cut-corners) without the "circular piece" behind of
drive-element which acts as reflector.
As I see also in your photo, the chassis-connector is
mounted on this square piece and not to the
circular reflector.

If that is not my... illusion, that is not a
correct Patch. I send you a clear photo to take a view how is

the
complete Patch by viewing that from the front-side.

73, Mak

Original Message -----
From:
John Hackett
To:
allan_gm1sxx@...
Cc:
sv1bsx@...
; amsat-bb@... ; Eu-amsat@yahoogroups.com
Sent:
Wednesday, February 27, 2008 1:22 PM
Subject:
[eu-amsat] S-band test gear.

OBSERVATIONS FROM
NORWAY. February
2008.

Based on SV1BSX's comments about receiving a *THUNDERING*
signal from AO-51's S-band transmitter on a patch antenna 'without' a
reflector - I decided to chuck together a few components to see if
somebody as 'thick' as LA2QAA could manage it.

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the ... 'fruits of LA2QAA's labour'.

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have a silver covered brass plate 2.4Ghz patch antenna (note the real gold
SMA connector, folks) mounted 3mm over a (ditto) groundplane, via a short
length of high quality (fell off the back of a North Sea Oil industry
lorry) coax feeding the input of a 2.4G 70 70cm converter .... the
output of which goes to the IC-E91 dual mode handheld and a pair of 'cans'
... (headphones, to you!).

To the right of the IC-E91 is a Nokia
N70 mobile phone - (not shown in this pic because I was using it to take
the picture) - with the 'SATme' tracking software .... which is very !!
useful for tracking S-mode signals from LEO birds with the 'slight'
doppler thus received.

The phone also contains a compas as well as
GPS software so there's no excuse for ... 'but I can't find north' ....
(not always easy in 3 feet of snow, null visibility and cloudy conditions)
... and there's *NEVER* a brownie or a girl guide around when you want
one.

S-band signals in those conditions? ... you'd be surprised -
we don't all live in satellite friendly climes you know.

Mak
(SV1BSX) is right. A 60cm dish is overkill for AO-51 mode-S ... though of
course, there are! those that think you need a personal
Jodrell Bank
to hear anything above 70cm.

---
avast! Antivirus: Inbound message clean.
Virus
Database (VPS): 080219-0, 02/19/2008
Tested on: 2/27/2008
13:54:17
avast! - copyright (c) 1988-2008 ALWIL
Software.
http://www.avast.com

avast!
Antivirus: Inbound message clean.
Virus Database (VPS): 080219-0,
02/19/2008
Tested on: 2/28/2008 1:47:16
avast! -
copyright (c) 1988-2008 ALWIL Software.

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080219-0, 02/19/2008
Tested on: 2/28/2008 3:41:31
avast! - copyright (c) 1988-2008 ALWIL Software.

1303. FW: [amsat-bb] Unreliable

Yahoo group: eu-amsat
Date: 2008-03-01 16:43:53 UTC
From: John Hackett
Topic: 1303 Message: 1303

Quite right !! Mak.

73 John. <la2qaa@...>
.....

> From: sv1bsx@yahoo.gr
> To: la2qaa@...
> Subject: Re: [amsat-bb] Unreliable
> Date: Sat, 1 Mar 2008 16:40:03 +0200
>
> ....another incorrect entry is the "CQ" into QSOs-field (right column).
>
> Thus, we generate a fake DATA into the database with a... "CQ" callsign
> !!!!!!!
>
> Please, leave "BLANK" the QSOs-field if you have NOT a QSO with
> a real station. No comments, nothing at all.
>
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "John Hackett" <archie.hackett@...>
> To: <amsat-bb@amsat.org>
> Sent: Saturday, March 01, 2008 12:56 PM
> Subject: [amsat-bb] Unreliable
>
>
> >
> > Hello to the group.
> >
> > The AO-7 log resource statistics page has now become a farce thanks to a
> > *LOT* of sloppy and incorrect entries - (don't people look !! at what they
> > enter?).
> >
> > W7LRD with tripple entries for N6PAA at 02:17, 02:19 and 02:21...
> >
> > (the instruction page *DOES* explain how to correct a false entry)
> >
> > KN2IF reporting the transponder as OFF while others are working through
> > it, DM9LSB's double entries - (all on the same day too).
> >
> > Such sloppy entries ensure that the statistics are *NOT* correct ... which
> > of course defeats the object of the exercise ... in other words ... it's a

> > complete waste of time if you don't take the trouble to fill in the log
> > correctly.
> >
> > 73 John. <la2qaa@...>
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
> >
> > ---
> > avast! Antivirus: Inbound message clean.
> > Virus Database (VPS): 080219-0, 02/19/2008
> > Tested on: 3/1/2008 13:20:38
> > avast! - copyright (c) 1988-2008 ALWIL Software.
> > http://www.avast.com
> >
> >
> >
>
>
>
> ---
> avast! Antivirus: Outbound message clean.
> Virus Database (VPS): 080219-0, 02/19/2008
> Tested on: 3/1/2008 16:40:07
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>
>
>
>

1304. RE: AO-7 Log

Yahoo group: eu-amsat
Date: 2008-03-02 12:41:09 UTC
From: John Hackett
Topic: 1304 Message: 1304

Hi Ron,
Rgr ...

Bob's a mate of mine ... like me, he's no computer geek so a bit of finger trouble is to be expected - no big deal.

I administer and correct the log for a number of years but stopped several months ago - it was taking up too much time ... I was just pointing out that the ensuing accumulative errors over time will ensure the statistics page will be incorrect.

73 John. <la2qaa@...>

Homepage <http://www.observations.biz>

From: Rm2642@...
Date: Sun, 2 Mar 2008 00:37:10 -0500
Subject: AO-7 Log
To: la2qaa@...

Hi John:
Just to comment about your post on amsat-bb about W7LRD and N6PAA QSO.
There should be one log entry for our 01-Mar-08 QSO on AO-7. I don't know
what Bob was thinking with the 3 log entries a few minutes apart.

73 and Thanks,
Ron
n6paa

Delicious ideas to please the pickiest eaters. Watch the video on AOL Living.

1305. Incorrect log entries.

Yahoo group: eu-amsat
Date: 2008-03-02 16:59:00 UTC
From: John Hackett
Topic: 1305 Message: 1305

Gentlemen,
PLEASE !!!!! refrain from putting 'CQ' in the QSO pane of the AO-7 log ... it just makes the statistics page incorrect.

If you have an actual QSO - by all means log it - but please *DON'T* put CQ there.

99.9% of the operators can do it correctly - (the instructions are clear enough) - with a little bit of 'extra' effort even *YOU* could do it too.

Please don't be a sheep and put CQ because some other clown did it first.

SV1BSX asked politely, and was ignored - the actual QSO's determine the statistics ... which is the whole point of the log.

We *DON'T* need to know you called CQ on a particular date and time.

Thank you.

73 John. <la2qaa@...>

1306. More AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-04 08:17:25 UTC
From: John Hackett
Topic: 1306 Message: 1306

Mak,
Despite our repeated requests ... yesterday ...

W7AIT 15:49
W7AIT 15:50 ... (seperate QSO's)
PY4AJ CQ
VK4ZQ CQ

Like I mentioned ... don't these people 'look' at what they write? ... or note how those that fill in the log correctly do it? ... or even read the Amsat mail?.

What can one do?.

Statistics are no use to man nor beast if they're incorrect - and over the first 3 months of this year there are enough errors to ensure that the statistics *ARE* wrong ... agreed, they're only small mistakes and agreed that - "it's only a hobby" - but what is the point in filling in the log in the first place if you're not going to do it correctly?.

Having pointed out the errors once, twice and three times on both bulletin boards in the last 14 days I assumed that ought to be enough - obviously it wasn't ... so I don't know about you but I'm not going to bother anymore.

Since the main "contenders" are English speaking one cannot blame the language. The panes are clear enough and cannot be misconscrued. The hour glass is self explanitory - you yourself have explained more than once how to fix things if they do occasionally go amok - (data is "data") - I'm referring to the - 'remember me' - checkbox issue.

It's a pity such a useful resource is allowed to become a mess.

EOR ... (End of rant).

73 John. <la2qaa@...>

1307. Re: [eu-amsat] More AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-04 10:16:44 UTC
From: Thomas Frey
Topic: 1306 Message: 1307

John Hackett schrieb:
> Mak,
> Despite our repeated requests ... yesterday ...
>
> W7AIT 15:49
> W7AIT 15:50 ... (seperate QSO's)
> PY4AJ CQ
> VK4ZQ CQ
>
> Like I mentioned ... don't these people 'look' at what they write? ...
> or note how those that fill in the log correctly do it? ... or even
> read the Amsat mail?.
>
> What can one do?.

John, you can bellow

!!! THIS IS NOT A DX-CLUSTER !!!

and again

!!! THIS IS NOT A DX-CLUSTER !!!

Hope this helps now ! If not, they are i...

>
> Statistics are no use to man nor beast if they're incorrect - and over
> the first 3 months of this year there are enough errors to ensure that
> the statistics *ARE* wrong ... agreed, they're only small mistakes and
> agreed that - "it's only a hobby" - but what is the point in filling
> in the log in the first place if you're not going to do it correctly?.
>
> Having pointed out the errors once, twice and three times on both
> bulletin boards in the last 14 days I assumed that ought to be enough
> - obviously it wasn't ... so I don't know about you but I'm not going
> to bother anymore.
>
> Since the main "contenders " are English speaking one cannot blame the
> language. The panes are clear enough and cannot be misconscrued. The
> hour glass is self explanitory - you yourself have explained more than
> once how to fix things if they do occasionally go amok - (data is
> "data") - I'm referring to the - 'remember me' - checkbox issue.
>
> It's a pity such a useful resource is allowed to become a mess.
>
> EOR ... (End of rant).

>
> 73 John. <la2qaa@...>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1308. RE: [eu-amsat] More AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-04 11:08:41 UTC
From: John Hackett
Topic: 1306 Message: 1308

Hi Thomas,
Sound advice indeed!, I just might take you up on it but I suppose then I'd be accused of being a 'stick-in-the-mud' when really, I'm only trying to do what's best for everybody's benefit.

It's a lose - lose situation hi ... but I won't let it get to me.

Thanks for the encouragement Thomas.

I've batted your comment Stateside, you never know, after the 5th attempt, the message just might sink in ... ha-ha-ha ... but I'm *NOT* going to hold my breath.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: sv1bsx@...; amsat-bb@...
From: th.frey@...
Date: Tue, 4 Mar 2008 11:16:44 +0100
Subject: Re: [eu-amsat] More AO-7 log.

John Hackett schrieb:

> Mak,

> Despite our repeated requests ... yesterday ...

>

> W7AIT 15:49

> W7AIT 15:50 ... (seperate QSO's)

> PY4AJ CQ

> VK4ZQ CQ

>

> Like I mentioned ... don't these people 'look' at what they write? ...

> or note how those that fill in the log correctly do it? ... or even

> read the Amsat mail?.

>

> What can one do?.

John, you can bellow

!!! THIS IS NOT A DX-CLUSTER !!!

and again

!!! THIS IS NOT A DX-CLUSTER !!!

Hope this helps now ! If not, they are i...

>

> Statistics are no use to man nor beast if they're incorrect - and over

> the first 3 months of this year there are enough errors to ensure that

> the statistics *ARE* wrong ... agreed, they're only small mistakes and

> agreed that - "it's only a hobby" - but what is the point in filling

> in the log in the first place if you're not going to do it correctly?.

>

> Having pointed out the errors once, twice and three times on both

> bulletin boards in the last 14 days I assumed that ought to be enough

> - obviously it wasn't ... so I don't know about you but I'm not going

> to bother anymore.

>

> Since the main "contenders " are English speaking one cannot blame the

> language. The panes are clear enough and cannot be misconscrued. The

> hour glass is self explanitory - you yourself have explained more than

> once how to fix things if they do occasionally go amok - (data is

> "data") - I'm referring to the - 'remember me' - checkbox issue.

>

> It's a pity such a useful resource is allowed to become a mess.

>

> EOR ... (End of rant).

>

> 73 John. <la2qaa@...>

>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1309. Still going strong.

Yahoo group: eu-amsat
Date: 2008-03-04 18:23:05 UTC
From: John Hackett
Topic: 1309 Message: 1309
Attachments: 1 described; binary payloads are missing from this source WARC

Hi to the group.

Food for thought?.

After more than 17 years, the LO-19 beacon is still going strong.

Check out the parameters - (see attached file).

73 John. <la2qaa@...>

1310. Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-04 18:12:11 UTC
From: John Hackett
Topic: 1310 Message: 1310

Alan,
A timely and intelligent mail - nice! one.

I played at super dooper pooper scooper - (log cop) - for a couple of years but it was as you correctly percieved taking up too much of my time.

I wused to be Emily's page administrator but since she disappeared into the burrow of 2nd Life and despite "millions" of 'carrots' - (read: e-mails) - I've lost contact with her.

I do wish she'd pop her head out with a quick - "What's up Doc?".

I'm now involved in other aspects of the Grand Old Lady ... AO-7, not N1DID.

73 John. <la2qaa@...>
.....
...

> From: ve4yz@...t
> To: la2qaa@...; sv1bsx@...
> CC: amsat-bb@...; eu-amsat@yahoogroups.com
> Subject: RE: [amsat-bb] More AO-7 log.
> Date: Tue, 4 Mar 2008 09:01:17 -0600
>
> Regrettably, there seems to be only a few ways of "Ham - Proofing " the
> logging system.
>
> One would be to add some logic to the code for the form entry to prevent
> submitting unless at least one of the QSO entries are completed. This may
> require diving into the rabbit hole to rescue Emily from her Second Life and
> nicely asking her to tweak the code. However, it would not prevent entrants
> from adding dummy info just to get a count.
>
> Another would be having a super user act as "log-cop" and zap bad entries.
> That may be perceived as badly as a "grammar cop" or "spelling cop" on this
> BB, and, who would want to waste that amount of time each day cleaning up
> other's messes. But it could be mitigated if a warning line was added to the
> top of the table. "Invalid entries and empty QSOs will be deleted"
>
> Another that comes to mind would probably involve Emily and may actually be
> the easiest. The entire database could be conditioned occasionally. Again
> a super user could execute a single line SQL statement that purges all
> entries where the QSO is blank or includes text such as "CQ". DELETE FROM
> table_name WHERE column_name = some_value. I'm ignorant of the db used here
> but hesitantly *assume* in might me MySQL or something similar.
>
> The SQL statement could even be automated in a chron process and executed

> automatically each day.
>
> Or, folks could just use common sense and read the second sentence at the
> top of the log - "IF YOU HAVE A CONTACT TO REPORT...." Oh, we already
> tried that and it didn't work...
>
>
>
>
>
> -----Original Message-----
> From: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] On
> Behalf Of John Hackett
> Sent: March 4, 2008 2:17 AM
> To: sv1bsx@yahoo.gr
> Cc: amsat-bb@...; Eu-amsat@yahoogroups.com
> Subject: [amsat-bb] More AO-7 log.
>
>
> Mak,
> Despite our repeated requests ... yesterday ...
>
> W7AIT 15:49
> W7AIT 15:50 ... (seperate QSO's)
> PY4AJ CQ
> VK4ZQ CQ
>
> Like I mentioned ... don't these people 'look' at what they write? ... or
> note how those that fill in the log correctly do it? ... or even read the
> Amsat mail?.
>
> What can one do?.
>
> Statistics are no use to man nor beast if they're incorrect - and over the
> first 3 months of this year there are enough errors to ensure that the
> statistics *ARE* wrong ... agreed, they're only small mistakes and agreed
> that - "it's only a hobby" - but what is the point in filling in the log in
> the first place if you're not going to do it correctly?.
>
> Having pointed out the errors once, twice and three times on both bulletin
> boards in the last 14 days I assumed that ought to be enough - obviously it
> wasn't ... so I don't know about you but I'm not going to bother anymore.
>
> Since the main "contenders" are English speaking one cannot blame the
> language. The panes are clear enough and cannot be misconscrued. The hour
> glass is self explanitory - you yourself have explained more than once how
> to fix things if they do occasionally go amok - (data is "data") - I'm
> referring to the - 'remember me' - checkbox issue.
>
> It's a pity such a useful resource is allowed to become a mess.

>
> EOR ... (End of rant).
>
> 73 John. <la2qaa@...>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

1311. Re: [eu-amsat] Still going strong.

Yahoo group: eu-amsat
Date: 2008-03-04 19:57:25 UTC
From: Kostas Ioannidis
Topic: 1309 Message: 1311

Hello to everyone,

Very interesting! Where can we find the software that you are using ?

73 de sw1ixp
Kostas

1312. Re: [eu-amsat] Still going strong.

Yahoo group: eu-amsat
Date: 2008-03-04 20:37:50 UTC
From: Thomas Frey
Topic: 1309 Message: 1312

Kostas Ioannidis schrieb:
> Hello to everyone,
>
> Very interesting! Where can we find the software that you are using ?
>
> 73 de sw1ixp
> Kostas
>
>
>
>
Hello Kostas

Here you can find all of Mike Rupprecht's decoders:
http://www.dk3wn.info/software.shtml

The site is written in German, but the software is written in English.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1313. Tongue-in-cheek.

Yahoo group: eu-amsat
Date: 2008-03-05 09:44:43 UTC
From: John Hackett
Topic: 1313 Message: 1313

Oyez!,
I'd forgotten why it was I tended to avoid FM satellites like the bubonic plague ... hey!, back off - I did have a QSO on AO-51 once and two !!! on AO-27, 10 years ago.

Anyway, this morning I decided to see if things had changed so I fired up my trusty (and otherwise totally useless) IC-E91 and 'arra' aerial ... OK !!!!, antenna.

Stepping out into the 33.9cm of 'manna from heavan' (snow, to you!) I aimed my pointed stick at the sky like any intellegent person would do (!) and tried the age old tricks of ... portable ... JP33WB ... Frei Island ... (not all at once of course).

After only a few minutes I 'remebered' ... it isn't the FM satellites that are are fault ... though they are not the 'smartest' things for amateur radio communications ... it's those operators who call without actually listening who muck it all up.

What *is* the point of calling somebody while they're actually speaking to somebody else ??? ... I'm so THICK I can't figure out how this works ... (on FM) ... maybe somebody with a few more braincells would like to enlighten me as to the theory behind this technique.

I'm quite familiar with 'tailending' while QRP operating but calling somebody while they're speaking ... (on FM) ... I havn't figured out yet.

However ... "each to his own" ... and that's how it should be - but I'll stick to LINEAR satellites thank you very much.

73 John. <la2qaa@...>

1314. Interesting.

Yahoo group: eu-amsat
Date: 2008-03-05 09:48:57 UTC
From: John Hackett
Topic: 1314 Message: 1314
Attachments: 2 described; binary payloads are missing from this source WARC

Hi,
Looking at the two attached LO-19 TLM pics it's interesting to note how stable LO-19 is after 17 years ... with the exception of the temperatures and that is for the very obvious reason of two different sides of the earth on different days.

73 John. <la2qaa@...>

1315. Re: Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-05 10:36:19 UTC
From: Igor
Topic: 1310 Message: 1315

Hello!
I have such offer.
Can be copy all data in new base and place it on other site?
Probably, that any part of data will be gone. But I think, that not so much.
A question in the one who will write the program for work with this base?
I could find a place with a suitable name (for example oscar7.net, oscar7.org) and which support MYSQL and PHP4/5 :)
In this case becomes possible:
To find the new Administrator who will have full access to a site.
Count QSO/Points or any other position in the log, like we need (As we shall explain to the Administrator), e.t.c.
It is necessary to do it on a noncommercial basis. I, for example, can find a hosting.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Alan,
> A timely and intelligent mail - nice! one.
>
> I played at super dooper pooper scooper - (log cop) - for a couple of years but it was as you correctly percieved taking up too much of my time.
>
> I wused to be Emily's page administrator but since she disappeared into the burrow of 2nd Life and despite "millions" of 'carrots' - (read: e-mails) - I've lost contact with her.
>
> I do wish she'd pop her head out with a quick - "What's up Doc?".
>
> I'm now involved in other aspects of the Grand Old Lady ... AO-7, not N1DID.
>
> 73 John. <la2qaa@...>
> ....
>
> > From: ve4yz@...
> > To: la2qaa@...; sv1bsx@...
> > CC: amsat-bb@...; eu-amsat@yahoogroups.com
> > Subject: RE: [amsat-bb] More AO-7 log.
> > Date: Tue, 4 Mar 2008 09:01:17 -0600

> >
> > Regrettably, there seems to be only a few ways of "Ham -
Proofing " the
> > logging system.
> >
> > One would be to add some logic to the code for the form entry to
prevent
> > submitting unless at least one of the QSO entries are completed.
This may
> > require diving into the rabbit hole to rescue Emily from her
Second Life and
> > nicely asking her to tweak the code. However, it would not
prevent entrants
> > from adding dummy info just to get a count.
> >
> > Another would be having a super user act as "log-cop" and zap bad
entries.
> > That may be perceived as badly as a "grammar cop" or "spelling
cop" on this
> > BB, and, who would want to waste that amount of time each day
cleaning up
> > other's messes. But it could be mitigated if a warning line was
added to the
> > top of the table. "Invalid entries and empty QSOs will be
deleted"
> >
> > Another that comes to mind would probably involve Emily and may
actually be
> > the easiest. The entire database could be conditioned
occasionally. Again
> > a super user could execute a single line SQL statement that
purges all
> > entries where the QSO is blank or includes text such as "CQ".
DELETE FROM
> > table_name WHERE column_name = some_value. I'm ignorant of the db
used here
> > but hesitantly *assume* in might me MySQL or something similar.
> >
> > The SQL statement could even be automated in a chron process and
executed
> > automatically each day.
> >
> > Or, folks could just use common sense and read the second
sentence at the
> > top of the log - "IF YOU HAVE A CONTACT TO REPORT...." Oh, we
already
> > tried that and it didn't work...
> >
> >
> >

> >
> >
> > -----Original Message-----
> > From: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] On
> > Behalf Of John Hackett
> > Sent: March 4, 2008 2:17 AM
> > To: sv1bsx@...
> > Cc: amsat-bb@...; Eu-amsat@yahoogroups.com
> > Subject: [amsat-bb] More AO-7 log.
> >
> >
> > Mak,
> > Despite our repeated requests ... yesterday ...
> >
> > W7AIT 15:49
> > W7AIT 15:50 ... (seperate QSO's)
> > PY4AJ CQ
> > VK4ZQ CQ
> >
> > Like I mentioned ... don't these people 'look' at what they
write? ... or
> > note how those that fill in the log correctly do it? ... or even
read the
> > Amsat mail?.
> >
> > What can one do?.
> >
> > Statistics are no use to man nor beast if they're incorrect - and
over the
> > first 3 months of this year there are enough errors to ensure
that the
> > statistics *ARE* wrong ... agreed, they're only small mistakes
and agreed
> > that - "it's only a hobby" - but what is the point in filling in
the log in
> > the first place if you're not going to do it correctly?.
> >
> > Having pointed out the errors once, twice and three times on both
bulletin
> > boards in the last 14 days I assumed that ought to be enough -
obviously it
> > wasn't ... so I don't know about you but I'm not going to bother
anymore.
> >
> > Since the main "contenders" are English speaking one cannot blame
the
> > language. The panes are clear enough and cannot be misconscrued.
The hour
> > glass is self explanitory - you yourself have explained more than
once how

> > to fix things if they do occasionally go amok - (data is "data") -
I'm
> > referring to the - 'remember me' - checkbox issue.
> >
> > It's a pity such a useful resource is allowed to become a mess.
> >
> > EOR ... (End of rant).
> >
> > 73 John. <la2qaa@...>
> > _____
> > Sent via AMSAT-BB@... Opinions expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite
program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

1316. RE: [eu-amsat] Re: Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-05 11:05:38 UTC
From: John Hackett
Topic: 1310 Message: 1316

Igor,
A good idea but I'm not sure about eventual copyright issues.

I am the 'official' administrator of the AO-7 Resource Page Log but the problem is - I cannot do anything without N1DID's -
(ex: W0EEC) - permission since she (exclusively) holds the original copyright.

The whole problem stems from the fact that N1DID "disappeared" into SECOND LIFE and doesn't answer her mail.

My editing privilages which were normally renewed every 1st January with a cookie - have been suspended due to the lack of contact with N1DID so there's nothing I can do to edit the mistakes like I used to.

A pity, but such is the situation.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Wed, 5 Mar 2008 10:36:19 +0000
Subject: [eu-amsat] Re: Good ideas for the AO-7 log.

Hello!

I have such offer.

Can be copy all data in new base and place it on other site?

Probably, that any part of data will be gone. But I think, that not

so much.

A question in the one who will write the program for work with this

base?

I could find a place with a suitable name (for example oscar7.net,

oscar7.org) and which support MYSQL and PHP4/5 :)

In this case becomes possible:

To find the new Administrator who will have full access to a site.

Count QSO/Points or any other position in the log, like we need (As

we shall explain to the Administrator), e.t.c.

It is necessary to do it on a noncommercial basis. I, for example,

can find a hosting.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

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> Alan,

> A timely and intelligent mail - nice! one.

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> I played at super dooper pooper scooper - (log cop) - for a couple

of years but it was as you correctly percieved taking up too much of

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> I wused to be Emily's page administrator but since she disappeared

into the burrow of 2nd Life and despite "millions" of 'carrots' -

(read: e-mails) - I've lost contact with her.

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> I do wish she'd pop her head out with a quick - "What's up Doc?".

>

> I'm now involved in other aspects of the Grand Old Lady ... AO-7,

not N1DID.

>

> 73 John. <la2qaa@...>

> .....

.....

>

> > From: ve4yz@...

> > To: la2qaa@...; sv1bsx@...

> > CC: amsat-bb@...; eu-amsat@yahoogroups.com

> > Subject: RE: [amsat-bb] More AO-7 log.

> > Date: Tue, 4 Mar 2008 09:01:17 -0600

> >

> > Regrettably, there seems to be only a few ways of "Ham -

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> > logging system.

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> > tried that and it didn't work...

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> >

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> >

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> > -----Original Message-----

> > From: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] On

> > Behalf Of John Hackett

> > Sent: March 4, 2008 2:17 AM

> > To: sv1bsx@...

> > Cc: amsat-bb@...; Eu-amsat@yahoogroups.com

> > Subject: [amsat-bb] More AO-7 log.

> >

> >

> > Mak,

> > Despite our repeated requests ... yesterday ...

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> > W7AIT 15:49

> > W7AIT 15:50 ... (seperate QSO's)

> > PY4AJ CQ

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> > Having pointed out the errors once, twice and three times on both

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> > boards in the last 14 days I assumed that ought to be enough -

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> > It's a pity such a useful resource is allowed to become a mess.

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> > EOR ... (End of rant).

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> > 73 John. <la2qaa@...>

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> > Sent via AMSAT-BB@... Opinions expressed are those of the author.

> > Not an AMSAT-NA member? Join now to support the amateur satellite

program!

> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

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1317. Re: Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-05 17:30:27 UTC
From: Igor
Topic: 1310 Message: 1317

John, copyright about what??
Records which were made by me, they mine? And records which has made LA2QAA, they whose? :) I think, that with copyright problems cannot be basically.
I'm try to import log data from ao7 site and for a less then hour have 2006-2008 years in CSV-format.
It is not complex. But I had a second question. It is necessary for whom else, except for LA2QAA and RW3XL :)

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
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> Igor,
> A good idea but I'm not sure about eventual copyright issues.
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> I am the 'official' administrator of the AO-7 Resource Page Log but the problem is - I cannot do anything without N1DID's -
> (ex: W0EEC) - permission since she (exclusively) holds the original copyright.
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> The whole problem stems from the fact that N1DID "disappeared" into SECOND LIFE and doesn't answer her mail.
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> My editing privilages which were normally renewed every 1st January with a cookie - have been suspended due to the lack of contact with N1DID so there's nothing I can do to edit the mistakes like I used to.
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> A pity, but such is the situation.
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> From: rw3xl@...
> Date: Wed, 5 Mar 2008 10:36:19 +0000
> Subject: [eu-amsat] Re: Good ideas for the AO-7 log.
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> Hello!
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> Can be copy all data in new base and place it on other site?
> Probably, that any part of data will be gone. But I think, that not
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> A question in the one who will write the program for work with this
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> I could find a place with a suitable name (for example oscar7.net,
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> In this case becomes possible:
> To find the new Administrator who will have full access to a site.
> Count QSO/Points or any other position in the log, like we need (As
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> It is necessary to do it on a noncommercial basis. I, for example,
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> not N1DID.
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> > > From: ve4yz@
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> > > To: la2qaa@; sv1bsx@
>
> > > CC: amsat-bb@; eu-amsat@yahoogroups.com
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> > > Subject: RE: [amsat-bb] More AO-7 log.
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> > > Behalf Of John Hackett
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> > > Sent: March 4, 2008 2:17 AM
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> > > Cc: amsat-bb@; Eu-amsat@yahoogroups.com
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>
> >
>

1318. Telemetry.

Yahoo group: eu-amsat
Date: 2008-03-05 18:12:41 UTC
From: John Hackett
Topic: 1318 Message: 1318

Today I was asked how I came by the results of the TLM I posted re: LO-19.

There are two ways to translate the TLM.

1) Use Mike Rupprecht's (DK3WN) excellent software at
<http://www.dk3wn.info/software.shtml> mirrored at the LA2QAA/GM1SXX site at ...

<http://www.observations.biz/>

Or ... to make it more interesting you can do it "longhand" like this ... (see the attached pic) ... though some would say it's about as interesting as watching paint dry.

You can learn a *LOT* by monitoring 17 year old birds.

(Don't be "naughty".....GM1SXX)

Taking some of today's TLM.

0503081016Z ... (which translates to 03-March-08 at 1016 UTC) ... we get 1 control and 8 TLM channels.

LUSAT HI HI
AO AVA AB4 TDA ANV TB6 ADN AVE AE6

The channels equate to ...

0 = T
1 = A
2 = U
3 = V
4 = 4
5 = E
6 = 6
7 = B
8 = D
9 = N

...and the equations are ...

Ram (version) 0 = no errors
E " error

CH 1 = 636 divided by 131 = 4.85 volts. nominal +5v
CH 2 = 0.064 times 174 = 11.1 volts. nominal +10 battery voltage
CH 3 = 0.354 times 081 = 28.6 degrees C nominal CW transmitter temp
CH 4 = 10.9 + 180 squared divided by 40.1 = 21.36 mW nominal tx output power
CH 5 = 0.356 times 136 minus 76 = 21.36 degrees C nominal box temperature
CH 6 = 0.7 x 189 = 132.3 mA nominal +10 v current

CH 7 = 0.15 x 135 = 20.25 volts nominal +Z voltage panel
CH 8 = 0.056 times 156 = 8.3 volts nominal +8.5 voltage

Now ... if "ya'll" all have a squint at the attached pic from a "professional" TLM program you'll see that today's telemetry is correct.

(Copied "manually" by LA2QAA with the characters written three times above eachother - to stay 'awake' with 12wpm CW)

DEDEEZY! - and GM1SXX is right - (he usually is.....LA2QAA) - when he says it will be interesting to watch the TLM regarding the battery status after 17 years in space. As usual, I agree with him.

73 John. <la2qaa@...>

1319. Forgot to add the TLM pic.

Yahoo group: eu-amsat
Date: 2008-03-05 18:17:12 UTC
From: John Hackett
Topic: 1319 Message: 1319
Attachments: 1 described; binary payloads are missing from this source WARC

I forgot to attach the TLM pic ... here it is.

OBS = Old, bald and senile ...

That's my excuse and I'm sticking to it.

73 John. <la2qaa@amsat.org>

1320. RE: [eu-amsat] Re: Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-05 18:33:24 UTC
From: John Hackett
Topic: 1310 Message: 1320

Igor,
You're right of course, the actual "data" is public domain, only the site is 'copyright'.

I don't know if you're computer competent - I'm not - but Mak SV1BSX is ... though whether he has time to create a dedicated site ... or whether you want to do it ... I don't know ... so I'll throw the ball up into the air and see if anyone else is interested in creating a site where the data is "controllable" - and therefore valid and correct.

The great advantage of the current AO-7 site is the eclipse charts and the seasonal statistics - though these are now becoming misleading due to the accumulative errors.

Anybody want to stick their hand up?.

BTW ... I've been in direct contact with Alex of Amsat.ru for quite
some time now so I'm indebted to you for the introduction.
In fact, GM1SXX and myself have proposed a common project.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Wed, 5 Mar 2008 17:30:27 +0000
Subject: [eu-amsat] Re: Good ideas for the AO-7 log.

John, copyright about what??

Records which were made by me, they mine? And records which has made

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I'm try to import log data from ao7 site and for a less then hour have

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It is not complex. But I had a second question. It is necessary for

whom else, except for LA2QAA and RW3XL :)

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> > > to fix things if they do occasionally go amok - (data is "data") -

>

> I'm

>

> > > referring to the - 'remember me' - checkbox issue.

>

> > >

>

> > > It's a pity such a useful resource is allowed to become a mess.

>

> > >

>

> > > EOR ... (End of rant).

>

> > >

>

> > > 73 John. <la2qaa@>

>

> > > _____

>

> > > Sent via AMSAT-BB@ Opinions expressed are those of the author.

>

> > > Not an AMSAT-NA member? Join now to support the amateur satellite

>

> program!

>

> > > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

>

> >

>

1321. Thick as 2 short planks.

Yahoo group: eu-amsat
Date: 2008-03-05 18:41:00 UTC
From: John Hackett
Topic: 1321 Message: 1321

Hello Al,
You said ...

>I already have the equations for LO19 in front
>of me... simple ennuf for a five year old!

Aye, well, then you can appreciate the work LA2QAA had doing is' sums "longhand".

Remember, my last remaining active dozen or so braincells have been 'out to lunch' for the past 5 years.

73 John. <la2qaa@...>

1322. RE: Question about Amsat Field Day 2008

Yahoo group: eu-amsat
Date: 2008-03-06 09:20:49 UTC
From: John Hackett
Topic: 1322 Message: 1322

Igor and the group,
While I have worked from an IOTA island for the last 27 years and dome a *LOT* of portable operating I must admit I've never worked a contest or a field day so I really have no idea and cannot answer your question Igor.

However, I'm sure there are many! operators on the EU Amsat reflector who can.

The biggest *expert* I know of is Gennardy ES1RF . I'm sure he can answer anything you might wish to know on the subject Igor.

C'mon chaps ... can someone answer Igor's query please?.

73 John. <la2qaa@...>

From: RW3XL@...
To: archie.hackett@...
Subject: Question about Amsat Field Day 2008
Date: Thu, 6 Mar 2008 11:53:31 +0300

Hello, John! Has read about amsat Field Day 2008 and there was a question.I'm never worked in Amsat or ARRL Field Day, but wish to work in 2008 CW/SSB/FM from constant QTH with 10 watt. I has read rules of ARRL FD to, but don't understand, how to count transmitters, in IC-820 - two, but at the same time worked one? If fixed QTH - it's D-group, but why not work with the same group station?What I should to transmit in Amsat FD 2008? :)---73! de Igor, RW3XL

1323. RE: [amsat-bb] Re: [eu-amsat] Re: Good ideas for the AO-7 log.

Yahoo group: eu-amsat
Date: 2008-03-06 09:32:26 UTC
From: John Hackett
Topic: 1323 Message: 1323

Hey Bob,
Not nitpicking at all, it's an *excellent* idea and duly noted for reference for eventual changes.

As you may have picked up - Emily, holder of the copyright for the AO-7 Resource Page, disappeared down the rabbit warren of SECOND LIFE and while I'm the "official" keeper of the keys I can't impliment changes without her permission.

THIS IS WHY I KEEP BATTING ALL THESE BORING MAILS TO THE AMSAT-BB ... (there *IS* a method to the madness) ... in the hope that she might pop her head out and realise the wonderful resource the site is BUT THAT SHE NEEDS TO CONTACT LA2QAA.

I do have a couple of balls in the air with people from EU Amsat but I would much prefer to use the original.

Lets hope Emily pops up for air Bob.

73 John. <la2qaa@...>

From: w7lrd@...
To: la2qaa@...
Subject: Re: [amsat-bb] Re: [eu-amsat] Re: Good ideas for the AO-7 log.
Date: Thu, 6 Mar 2008 01:27:03 +0000

Hello John
An idea I thought of for the AO7 log is you know that little magnifying glass you click on to see if there is a comment. You don't know if there is a comment unless you click it. That can mean a lot of clicking. If however say the magnifying glass looks different signifying that there is something there. I know this is nit picking, but it's just an idea. I don't envy you monitoring the comings and goings of the log. I have been on the wrong end of the stick a couple of times! I really do find it useful and a fantastic resource. I can tell who and when they have been on. From that I can at times predict who will be on the next pass. There are several regulars I enjoy chatting with. So hang in there and don't get your blood pressure up too much. Your efforts are appreciated.
73 Bob W7LRD

--
"if this were easy, everyone would be doing it"

1324. Field day.

Yahoo group: eu-amsat
Date: 2008-03-06 11:22:01 UTC
From: John Hackett
Topic: 1324 Message: 1324
Attachments: 1 described; binary payloads are missing from this source WARC

Igor &b the group,
Dom't know if you already have the attachement Igor ... maybe it's useful to somebody else as well.

73 John. <la2qaa@...>

1325. OL30SPACE on AO-7

Yahoo group: eu-amsat
Date: 2008-03-09 15:20:59 UTC
From: SV1BSX
Topic: 1325 Message: 1325

Hello,

Even if the announcement was for VU-52 & AO-51, today I heard it also on AO-7 "Loud & Clear" (15.06 Z, orbit #52450,
CW, +- 145.938). Just keep in mind.

73, Mak SV1BSX

==========>>>>>>>>>>>>>

Special Event Station OL30SPACE active 1 - 30th March

On 9th March OL30SPACE will be active on the VU52 and AO51 Amateur Radio satellites.

OL30SPACE will be on the air during March to commemorate 30th space flight anniversary of the cosmonaut Vladimir Remek. Vladimír Remek was the first Czechoslovak in space, and the first cosmonaut from a country other than the Soviet Union or the United states. He flew aboard Soyuz 28 from March 2nd to March10 th 1978, for seven days, 22 hours, and 17 minutes.

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080302-0, 03/02/2008
Tested on: 3/9/2008 17:21:04
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1326. Re: [eu-amsat] OL30SPACE on AO-7

Yahoo group: eu-amsat
Date: 2008-03-09 17:17:44 UTC
From: Thomas Frey
Topic: 1325 Message: 1326

SV1BSX schrieb:
> Hello,
>
>
> Even if the announcement was for VU-52 & AO-51, today I heard it also
> on AO-7 "Loud & Clear" (15.06 Z, orbit #52450,
> CW, +- 145.938). Just keep in mind.
>
> 73, Mak SV1BSX
>
Hello All

I had a QSO with OL30SPACE also via SO-50 at 15:35 UTC

>
>
> *Special Event Station OL30SPACE active 1 - 30th March *
>
> *On 9th March OL30SPACE will be active on the VU52 and AO51 Amateur
> Radio satellites.*
> *
> OL30SPACE will be on the air during March to commemorate 30th space
> flight anniversary of the cosmonaut Vladimir Remek. Vladim?r Remek
> was the first Czechoslovak in space, and the first cosmonaut from a
> country other than the Soviet Union or the United states. He flew
> aboard Soyuz 28 from March 2nd to March10 th 1978, for seven days, 22
> hours, and 17 minutes.
>
>
> *
>
>
Thanks for this info Mak. This is the first time I read it.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1327. 2 for the group.

Yahoo group: eu-amsat
Date: 2008-03-09 20:40:48 UTC
From: John Hackett
Topic: 1327 Message: 1327
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,
I am *NOT* a digital Ham - in fact, those that know me are aware that I'm THICKER than the two proverbial short planks so I hope someone with a bit more brain capacity than I have will help me.

I have two questions for the group.

Question 1.

Is there ant reason why I can't transmit a modulated carrier (FM) on the 145.900Mhz uplink of AO-16 and receive CW on the SSB/CW? downlink of 437.026Mhz ??.

Question 2.

I am 'TOTALLY' blocked by mountains re: the ISS and PCSAT and do *NOT* have 9600bps gear for AO-51 ... however, I can receive AO-16.

Can I use the UPW - (PSK modulation) - program to transmit APRS data on the uplink and will that be received on the USB downlink ?? ... and be forwarded to the internet via an APRS station ??.

I have attached the UPW file for perusal by anybody who has a few more braincells than LA2QAA and is able to advise.

(There are currently no "normal" 1200bps sats - I am trying to find a 'satellite' use for an IC-E91 D-Star transceiver ... no D-Star repeaters in Norway ... as mentioned, I'm totally blocked by mountains re: the ISS).

I would be very grateful for any advice and/or (sensible) suggestions please.

73 John. <la2qaa@amsat.org>

1328. Re: [amsat-bb] 2 for the group.

Yahoo group: eu-amsat
Date: 2008-03-09 22:24:11 UTC
From: Andrew Glasbrenner
Topic: 1327 Message: 1328

>Question 1.
>Is there ant reason why I can't transmit a modulated carrier (FM) on the
>145.900Mhz uplink of AO-16 and receive CW on the SSB/CW? downlink of
>437.026Mhz ??.

Technically, yes it would work. But AO-16 is currently designated for voice operations, and CW mixed in with the voice users might get you some nastygrams from the other users.

>Question 2.
>I am 'TOTALLY' blocked by mountains re: the ISS and PCSAT and do *NOT*
>have 9600bps gear for AO-51 ... however, I can receive AO-16.
>Can I use the UPW - (PSK modulation) - program to transmit APRS data on the
>uplink and will that be received on the USB downlink ?? ... and be
>forwarded to the internet via an APRS station ??.
>I have attached the UPW file for perusal by anybody who has a few more
>braincells than LA2QAA and is able to advise.

Pretty much the same answer as #1. Before the memory system crashed, you could digipeat through AO-16. Since then, we are limited to a bent-pipe setup best suited for voice. We may get to the point with IO-26 where digipeating is enabled.

You could try PCsat for 1200 baud APRS, or use MixW and your computer soundcard for 9600 baud on GO-32.

73, Drew KO4MA

1329. Very much appreciated.

Yahoo group: eu-amsat
Date: 2008-03-09 23:07:42 UTC
From: John Hackett
Topic: 1329 Message: 1329

Drew,
Thanks for your prompt answer to my queries.

That's precisely why I asked ... so as not get get up anyone's nose.

Actually, I can't work PSCAT or GO-32.

As I mentioned, I'm totally blocked by mountains for the ISS (so that rules out PCSAT too) at 1200bps and the IC-E91 would be impossible !! to modify for 9600bps operation, even though MixW would generate it. I believe one needs to "go in" somewhere near the varactor nodulator for 9600bps and for an IC-E91 that would entail micro-surgery ... when ICOM say "low speed digital communications" I believe they mean about 25 bps a day! into the data connector.

I find I can't get into AO-51 (portable) with low power and an Arrow aerial due to the alligators - people calling a station that is actually still speaking ... (on FM !!) ... is typical of the AO-51 operating I've been monitoring ... in other words, sending all the wrong signals to the potential newcomer.

There have been "reams" written on this subject but the age-old technique of an inadequate receive system ensures the punter turns up the wick to compensate - and cocks it up for everybody ... seems to be the order of the day on AO-51.

Thanks anyway Drew - guess I'll just have to take up stamp collecting instead.

73 John. <la2qaa@...>

1330. Grateful thanks.

Yahoo group: eu-amsat
Date: 2008-03-09 23:28:32 UTC
From: John Hackett
Topic: 1330 Message: 1330

My grateful thanks to everyone who took the trouble to reply to my queries about AO-16.

Of course !! ... I'd forgotten for a moment that AO-16 is now an FM single-user satellite and therefore pretty useless for low power operation due to the alligators ... so I would have been totally wiped out anyway if I 'd have tried to use APRS or CW.

I'm still very grateful for the feedback though ... thank you all.

I was trying to find a "satellite" use for an IC-E91 D-Star handheld where there are no D-Star repeaters and I'm totally blocked for the ISS (1200bps packet and APRS) and when ICOM say "low speed data" on the E-91 they probably mean something like about 200 bps a day !!... (???) ...into the 'data' socket.

I SERIOUSLY !!!! doubt it's 9600bps capable ???.

I am in range of GO-32 but don't have a 9600bps capable radio.
I have MixW to generate 9600 but I believe one needs to "go in" at the varactor modulator on the transmitter and that would require micro-surgery on an IC-E91 ... even if a circuit diagram was available - which it isn't ...

... but ... there's always stamp collecting !!.

Thanks again, one and all.

73 John. <la2qaa@...>

1331. Re: [eu-amsat] 2 for the group.

Yahoo group: eu-amsat
Date: 2008-03-10 00:10:41 UTC
From: Thomas Frey
Topic: 1327 Message: 1331

John Hackett schrieb:
> Hi All,
> I am *NOT* a digital Ham - in fact, those that know me are
> aware that I'm THICKER than the two proverbial short planks so I hope
> someone with a bit more brain capacity than I have will help me.
>
Hello John, I will try to help you.

> I have two questions for the group.
>
> Question 1.
>
> Is there ant reason why I can't transmit a modulated carrier (FM) on
> the 145.900Mhz uplink of AO-16 and receive CW on the SSB/CW? downlink
> of 437.026Mhz ??.
>
You can transmit a tone or your voice, if the deviation of the signal
is not more than 3 kHz. A deviation-meter will be helpful. Or you have
to experiment with several sound-levels.

> Question 2.
>
> I am 'TOTALLY' blocked by mountains re: the ISS and PCSAT and do
> *NOT* have 9600bps gear for AO-51 ... however, I can receive AO-16.
>
> Can I use the UPW - (PSK modulation) - program to transmit APRS data
> on the uplink and will that be received on the USB downlink ?? ... and
> be forwarded to the internet via an APRS station ??.
>
No, you can't. The Fuji-Mode (ManchesterFSK / BPSK) of AO-16 has failed.

> I have attached the UPW file fo r perusal by anybody who has a few
> more braincells than LA2QAA and is able to advise.
>
> (There are currently no "normal" 1200bps sats - I am trying to find a
> 'satellite' use for an IC-E91 D-Star transceiver ... no D-Star
> repeaters in Norway ... as mentioned, I'm totally blocked by mountains
> re: the ISS).
>
> I would be very grateful for any advice and/or (sensible) suggestions
> please.
>
> 73 John. <la2qaa@...>
I know John. You have to wait for another Packet-Sat. :-(
> ._,_.____

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1332. Re: [eu-amsat] Very much appreciated.

Yahoo group: eu-amsat
Date: 2008-03-10 00:24:39 UTC
From: Thomas Frey
Topic: 1329 Message: 1332

John Hackett schrieb:
> Drew,
> Thanks for your prompt answer to my queries.
>
> [snip]
>
> I find I can't get into AO-51 (portable) with low power and an Arrow
> aerial due to the alligators - people calling a station that is
> actually still speaking ... (on FM !!) ... is typical of the AO-51
> operating I've been monitoring ... in other words, sending all the
> wrong s ignals to the potential newcomer.
>
> There have been "reams" written on this subject but the age-old
> technique of an inadequate receive system ensures the punter turns up
> the wick to compensate - and cocks it up for everybody ... seems to
> be the order of the day on AO-51.
>
> Thanks anyway Drew - guess I'll just have to take up stamp collecting
> instead.
>
> 73 John. <la2qaa@...>
>
Hello again John

I was alone with OE3EV during this weekend and had a QSO with UN7RDP over AO-51! You are wondering why ? I was QRV on channel 1, 145.880 up / 435.150 down. See always the AO-51 Control Team News first on http://www.amsat.org/amsat-new/echo/CTNews.php

But you are right. The AO-51 voice repeater is a monster chaos.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1333. RE: [eu-amsat] 2 for the group.

Yahoo group: eu-amsat
Date: 2008-03-10 07:25:02 UTC
From: John Hackett
Topic: 1327 Message: 1333

Thomas,
Thank you very much indeed!, your help is/was very much appreciated.

Guess I'll just stick to QRP om AO-7 with the old FT-290/790 pair.

73 John. <la2qaa@...>
.....

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Mon, 10 Mar 2008 01:10:41 +0100
Subject: Re: [eu-amsat] 2 for the group.

John Hackett schrieb:

> Hi All,

> I am *NOT* a digital Ham - in fact, those that know me are

> aware that I'm THICKER than the two proverbial short planks so I hope

> someone with a bit more brain capacity than I have will help me.

>

Hello John, I will try to help you.

> I have two questions for the group.

>

> Question 1.

>

> Is there ant reason why I can't transmit a modulated carrier (FM) on

> the 145.900Mhz uplink of AO-16 and receive CW on the SSB/CW? downlink

> of 437.026Mhz ??.

>

You can transmit a tone or your voice, if the deviation of the signal

is not more than 3 kHz. A deviation-meter will be helpful. Or you have

to experiment with several sound-levels.

> Question 2.

>

> I am 'TOTALLY' blocked by mountains re: the ISS and PCSAT and do

> *NOT* have 9600bps gear for AO-51 ... however, I can receive AO-16.

>

> Can I use the UPW - (PSK modulation) - program to transmit APRS data

> on the uplink and will that be received on the USB downlink ?? ... and

> be forwarded to the internet via an APRS station ??.

>

No, you can't. The Fuji-Mode (ManchesterFSK / BPSK) of AO-16 has failed.

> I have attached the UPW file fo r perusal by anybody who has a few

> more braincells than LA2QAA and is able to advise.

>

> (There are currently no "normal" 1200bps sats - I am trying to find a

> 'satellite' use for an IC-E91 D-Star transceiver ... no D-Star

> repeaters in Norway ... as mentioned, I'm totally blocked by mountains

> re: the ISS).

>

> I would be very grateful for any advice and/or (sensible) suggestions

> please.

>

> 73 John. <la2qaa@...>

I know John. You have to wait for another Packet-Sat. :-(

> ._,_.___

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1334. RE: [eu-amsat] Very much appreciated.

Yahoo group: eu-amsat
Date: 2008-03-10 07:40:04 UTC
From: John Hackett
Topic: 1329 Message: 1334

RGR Thomas,
One of the reasons I've never been into AO-51 was the fact that my ancient FT-290RII won't tune to the frequencies used on the uplinks ... neither 145.920 nor 145.880.

I would have thought that the 'smarties' at Amsat would have considered that fact - obviously not ... or did they?.

Such frequency planning obviously excluded a *LOT* of potential newcomers - I wonder if it was deliberate - or just plain ignorance?.

It is 'theoretically' possible to use a 25Khz step rig by only trying to work the beginning of a pass - (5Khz up) - pre: TCA, but it's not a very good solution.

Amsat policy seems to be - new satellte - buy a new rig! - which excludes quite a lot of people ... including me.

EOW ... (end of whinging).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 10 Mar 2008 01:24:39 +0100
Subject: Re: [eu-amsat] Very much appreciated.

John Hackett schrieb:

> Drew,

> Thanks for your prompt answer to my queries.

>

> [snip]

>

> I find I can't get into AO-51 (portable) with low power and an Arrow

> aerial due to the alligators - people calling a station that is

> actually still speaking ... (on FM !!) ... is typical of the AO-51

> operating I've been monitoring ... in other words, sending all the

> wrong s ignals to the potential newcomer.

>

> There have been "reams" written on this subject but the age-old

> technique of an inadequate receive system ensures the punter turns up

> the wick to compensate - and cocks it up for everybody ... seems to

> be the order of the day on AO-51.

>

> Thanks anyway Drew - guess I'll just have to take up stamp collecting

> instead.

>

> 73 John. <la2qaa@...>

>

Hello again John

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over AO-51! You are wondering why ? I was QRV on channel 1, 145.880 up /

435.150 down. See always the AO-51 Control Team News first on

http://www.amsat.org/amsat-new/echo/CTNews.php

But you are right. The AO-51 voice repeater is a monster chaos.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1335. Thomas !!!!.

Yahoo group: eu-amsat
Date: 2008-03-10 08:24:08 UTC
From: John Hackett
Topic: 1335 Message: 1335

Thomas,
What do you know about NO-44?.

Kenneth Ransom pointed out the fact that I was confusing PCSAT (NO-44) with the old suitcase on the ISS.

He said PCSAT was workable from my QTH ... however, I see on the Amsat website that it's only semi operational for APRS.

The website for NO-44 appears to have the last entry in February 2008 and as far as I can see the satellite is only active in the mid-day sun for one pass.

Do you know if this information is correct? ... or current? ... still applies in March 10th?.

I'm trying to find a use for an Icom E91 handheld radio + Arrow antenna. As far as I understand it the 'data' connection is only for very slow data + D-Star at the same time ... so is useless for 9600bps on GO-32.

I did try to modify my old FT-290 rigs but it refused !!! to work after the modification ... he he he he.

It would be impossible to go "inside" the IC-E91 so the handheld is only good for 1200bps. As I said, I an't "see" the ISS.

There are no D-Star repeaters in Norway so it looks like I bought a "pig-in-a-poke" = useless !! piece of equipment.

73 John. <la2qaa@...>
73 John. <la2qaa@...>

1336. Re: [eu-amsat] Thomas !!!!.

Yahoo group: eu-amsat
Date: 2008-03-10 11:02:57 UTC
From: Thomas Frey
Topic: 1335 Message: 1336
Attachments: 1 described; binary payloads are missing from this source WARC

John Hackett schrieb:
> Thomas,
> What do you know about NO-44?.
>
PCSAT has re-entered eclipses. PCSAT-1 was fully operational from 8 to
about 23
Feb 2008 during full sun oribts. But the next full sun operating period
probably
will not work until the Fall.
Bob, WB4APR
<
>
> Kenneth Ransom pointed out the fact that I was confusing PCSAT (NO-44)
> with the old suitcase on the ISS.
Hmmm... The "suitcase" on ISS had no OSCAR-number. It was another payload
on the ISS.

> He said PCSAT was workable from my QTH ... however, I see on the Amsat
> website that it's only semi operational for APRS.
Why do you say, you can not work NO-44 ? You can work NO-44 !
I made a horizon-plot for your QTH with my own written program.
See the attachment.

>
> The website for NO-44 appears to have the last entry in February 2008
> and as far as I can see the satellite is only active in the mid-day
> sun for one pass.
>
> Do you know if this information is correct? ... or current? ... still
> applies in March 10th?.
This may be correct. NO-44 must be in full sunlight for full batteries.
Bob, WB4APR, explained it many times on AMSAT-BB.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1337. RE: [eu-amsat] Thomas !!!!.

Yahoo group: eu-amsat
Date: 2008-03-10 11:07:43 UTC
From: John Hackett
Topic: 1335 Message: 1337

Thanks !! Thomas.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Mon, 10 Mar 2008 12:02:57 +0100
Subject: Re: [eu-amsat] Thomas !!!!.

John Hackett schrieb:

> Thomas,

> What do you know about NO-44?.

>

PCSAT has re-entered eclipses. PCSAT-1 was fully operational from 8 to

about 23

Feb 2008 during full sun oribts. But the next full sun operating period

probably

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Bob, WB4APR

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>

> Kenneth Ransom pointed out the fact that I was confusing PCSAT (NO-44)

> with the old suitcase on the ISS.

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on the ISS.

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>

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> and as far as I can see the satellite is only active in the mid-day

> sun for one pass.

>

> Do you know if this information is correct? ... or current? ... still

> applies in March 10th?.

This may be correct. NO-44 must be in full sunlight for full batteries.

Bob, WB4APR, explained it many times on AMSAT-BB.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1338. Patch VS BBq grill on 2.4GHZ

Yahoo group: eu-amsat
Date: 2008-03-11 03:15:44 UTC
From: Luc Leblanc
Topic: 1338 Message: 1338
Attachments: 4 described; binary payloads are missing from this source WARC

I finally get some releif period between some snow storm...to installed a patch antenna. First results more stable signal very few deep
fades compare to the grill.

If you wanted to see what we are doing here in the north just check the attached pictures!! More than 400cm up till now fell down at the
QTH...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1339. Snowdrit!!

Yahoo group: eu-amsat
Date: 2008-03-11 03:50:14 UTC
From: Luc Leblanc
Topic: 1339 Message: 1339

As we have hard time with numerous snow storm, this e-bay auction will help me to get rid of this ugly thing who block my street view. Its
for a charitable cause and a way to try to ease the mood with more than 400cm of snow fell up till now

http://cgi.ebay.com/snowdrift_W0QQitemZ180223132319QQihZ008QQcategoryZ909QQssPageNameZWDVWQQrdZ1QQcmdZViewItem

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1340. RE: [eu-amsat] Snowdrit!!

Yahoo group: eu-amsat
Date: 2008-03-11 11:09:48 UTC
From: John Hackett
Topic: 1339 Message: 1340

Hello Luc,
I'd take you up on your offer but unfortunately I already have the snowdrift's twin !!.

73 John. <la2qaa@...>
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@videotron.ca
Date: Mon, 10 Mar 2008 23:50:14 -0400
Subject: [eu-amsat] Snowdrit!!

As we have hard time with numerous snow storm, this e-bay auction will help me to get rid of this ugly thing who block my street view. Its

for a charitable cause and a way to try to ease the mood with more than 400cm of snow fell up till now

http://cgi.ebay.com/snowdrift_W0QQitemZ180223132319QQihZ008QQcategoryZ909QQssPageNameZWDVWQQrdZ1QQcmdZViewItem

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1341. RE: [eu-amsat] Snowdrit!!

Yahoo group: eu-amsat
Date: 2008-03-11 12:03:13 UTC
From: Luc Leblanc
Topic: 1339 Message: 1341

On 11 Mar 2008 at 12:09, John Hackett wrote:

>
> Hello Luc,
> I'd take you up on your offer but unfortunately I already have the snowdrift's twin !!.
>
> 73 John. <la2qaa@...>
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
> From: lucleblanc6@...
> Date: Mon, 10 Mar 2008 23:50:14 -0400
> Subject: [eu-amsat] Snowdrit!!
>
That i was expecting we always have a competitor around the corner...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1342. Photo's

Yahoo group: eu-amsat
Date: 2008-03-14 06:34:29 UTC
From: Murray Hely ZL3MH
Topic: 1342 Message: 1342

I enclose 12 pic's of what I have done in the last 15 yrs.

go to photo's then ZL3MH

73 Murray ZL3MH

1343. Curiouser and curiouser.

Yahoo group: eu-amsat
Date: 2008-03-15 07:44:55 UTC
From: John Hackett
Topic: 1343 Message: 1343

No, the title is *NOT* a grammatical error, it's an exclamation of exasperation by the white rabbit in Lewis Carrol's Alice In Wonderland.

Congratulations are extended to 9M6YBG for working JH7PKU, JA1BCL, JR3KQJ and JA3DJX with the transponder OFF - (according to his report).

"Extra" points for not noticing and correcting the mistake after the first day.

Ditto to IK1RAN, also for working UT1FG with the transponder OFF ... but credit for changing it to ON and YT1FG ... even if he did leave both entries on the same pass.

Did somebody mention incorrect data would be generated?.

73 John. <la2qaa@...>

1344. ATTENTION !!! the AO-7 log 'CQ' chaps.

Yahoo group: eu-amsat
Date: 2008-03-15 08:49:07 UTC
From: John Hackett
Topic: 1344 Message: 1344

CQ does *NOT* belong in the QSO pane of the AO-7 log. That pane is for 'actual' QSO's ... 'CQ' might be valid in the COMMENTS field though I doubt if anyone is interested that somebody called CQ.

The following "instruction" is in fact on the same page as the log entry page but here seems to be difficulty with English speaking stations *NOT understanding the (quote) "If you need to change an entry you have made, click on the magnifying glass to review the record ,then click the update link (unquote).

Presumably, after several requests on the bb's for a little more dilligence in filling out the log it's quite likely that it's being done deliberately, which is about on par with the VFO swisher intelligence
(or should one say, lack of).

It has been suggested that these stations might not read the bb's ...
point taken - but surely they have eyes? ... and can read their own entries? ... (as well as the sentence at the top of the page).

There is *ALWAYS* an excuse for human error ... but the same error consistently ... well ... you know as well as everyone else ...

As I mentioned previously, regarding 'statistics' - if they're not collated correctly, the results will be incorrect ... in that case, what is the point in filling out the log in the first place ??.

Pardon me for trying to preserve a very useful resource.

73 John. <la2qaa@...>

1345. RE: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.

Yahoo group: eu-amsat
Date: 2008-03-16 10:37:11 UTC
From: John Hackett
Topic: 1345 Message: 1345

Hi Ed,
Good idea !! ... yes it could ... but the problem is getting hold of Emily (N1DID, ex: W0EEC) who wrote the program ... I respect the copyright laws and can't change anything without her permission.

Have a good day Ed.

73 John. <la2qaa@...>
.....

> Date: Sat, 15 Mar 2008 11:44:50 -0800
> To: la2qaa@...
> From: kl7uw@...
> Subject: Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.
>
> john,
>
> Frustrating, I'm sure. I am wondering if the log entry program can
> be modified to reject any input including the word "CQ"? If those
> sending in the CQ reports got repeaded blocks to their entries,
> perhaps they would give up? ...and save your sanity ;-)
>
> my 2cents!
>
> At 12:49 AM 3/15/2008, you wrote:
>
>
> >CQ does *NOT* belong in the QSO pane of the AO-7 log. That pane is
> >for 'actual' QSO's ... 'CQ' might be valid in the COMMENTS field
> >though I doubt if anyone is interested that somebody called CQ.
> >
> >The following "instruction" is in fact on the same page as the log
> >entry page but here seems to be difficulty with English speaking
> >stations *NOT understanding the (quote) "If you need to change an
> >entry you have made, click on the magnifying glass to review the
> >record ,then click the update link (unquote).
> >
> >Presumably, after several requests on the bb's for a little more
> >dilligence in filling out the log it's quite likely that it's being
> >done deliberately, which is about on par with the VFO swisher intelligence
> >(or should one say, lack of).
> >
> >It has been suggested that these stations might not read the bb's ...
> >point taken - but surely they have eyes? ... and can read their own
> >entries? ... (as well as the sentence at the top of the page).

> >
> >There is *ALWAYS* an excuse for human error ... but the same error
> >consistently ... well ... you know as well as everyone else ...
> >
> >As I mentioned previously, regarding 'statistics' - if they're not
> >collated correctly, the results will be incorrect ... in that case,
> >what is the point in filling out the log in the first place ??.
> >
> >Pardon me for trying to preserve a very useful resource.
> >
> >73 John. <la2qaa@...>
> >_____
> >Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> >Not an AMSAT-NA member? Join now to support the amateur satellite program!
> >Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
> **********
> 73, Ed - KL7UW BP40iq, 6m - 3cm
> 144-EME: FT-847, mgf-1801, 4x-xp20, 185w
> http://www.kl7uw.com AK VHF-Up Group
> NA Rep. for DUBUS: dubususa@...
> **********
>

1346. Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.

Yahoo group: eu-amsat
Date: 2008-03-16 10:53:32 UTC
From: Igor
Topic: 1345 Message: 1346

Hello!
Copyright for programm, but not for QSO entries, John... :)
All data is imported and ready with a blank as a divider of fields in
my flash-drive.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi Ed,
> Good idea !! ... yes it could ... but the problem is
getting hold of Emily (N1DID, ex: W0EEC) who wrote the program ... I
respect the copyright laws and can't change anything without her
permission.
>
> Have a good day Ed.
>
> 73 John. <la2qaa@...>
>
.....
.....
>
> > Date: Sat, 15 Mar 2008 11:44:50 -0800
> > To: la2qaa@...
> > From: kl7uw@...
> > Subject: Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.
> >
> > john,
> >
> > Frustrating, I'm sure. I am wondering if the log entry program can
> > be modified to reject any input including the word "CQ"? If those
> > sending in the CQ reports got repeaded blocks to their entries,
> > perhaps they would give up? ...and save your sanity ;-)
> >
> > my 2cents!
> >
> > At 12:49 AM 3/15/2008, you wrote:
> >
> >
> > >CQ does *NOT* belong in the QSO pane of the AO-7 log. That pane is
> > >for 'actual' QSO's ... 'CQ' might be valid in the COMMENTS field
> > >though I doubt if anyone is interested that somebody called CQ.
> > >
> > >The following "instruction" is in fact on the same page as the log
> > >entry page but here seems to be difficulty with English speaking
> > >stations *NOT understanding the (quote) "If you need to change an

> > >entry you have made, click on the magnifying glass to review the
> > >record ,then click the update link (unquote).
> > >
> > >Presumably, after several requests on the bb's for a little more
> > >dilligence in filling out the log it's quite likely that it's being
> > >done deliberately, which is about on par with the VFO swisher
intelligence
> > >(or should one say, lack of).
> > >
> > >It has been suggested that these stations might not read the bb's ...
> > >point taken - but surely they have eyes? ... and can read their own
> > >entries? ... (as well as the sentence at the top of the page).
> > >
> > >There is *ALWAYS* an excuse for human error ... but the same error
> > >consistently ... well ... you know as well as everyone else ...
> > >
> > >As I mentioned previously, regarding 'statistics' - if they're not
> > >collated correctly, the results will be incorrect ... in that case,
> > >what is the point in filling out the log in the first place ??.
> > >
> > >Pardon me for trying to preserve a very useful resource.
> > >
> > >73 John. <la2qaa@...>
> > >_____
> > >Sent via AMSAT-BB@... Opinions expressed are those of the author.
> > >Not an AMSAT-NA member? Join now to support the amateur satellite
program!
> > >Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
> > **********
> > 73, Ed - KL7UW BP40iq, 6m - 3cm
> > 144-EME: FT-847, mgf-1801, 4x-xp20, 185w
> > http://www.kl7uw.com AK VHF-Up Group
> > NA Rep. for DUBUS: dubususa@...
> > **********
> >
>

1347. Incorrect statistics.

Yahoo group: eu-amsat
Date: 2008-03-16 11:19:06 UTC
From: John Hackett
Topic: 1345 Message: 1347

Igor ... if either you, or any one of your friends could write a similar program for AO-7 I would support and promote it.

There are a couple of other AO-7 logs doing the rounds but they can't compare.

The great advantage of Emily's pages is that it is *MORE* than a mere log, the statistical information for what is among the oldest working equipment in space (!!!) is a tremendous resource ... but unfortunately, due to accumulative errors, the statistics over time will be incorrect.

Actually, I'm rather surprised Amsat doesn't use this information more ... to it's advantage.

Countless reminders and plea's re: filling out the log have *NOT* helped. I can only assume some of it is being done deliberately - which says a *LOT* about the intelligence of people.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Sun, 16 Mar 2008 10:53:32 +0000
Subject: [eu-amsat] Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.

Hello!

Copyright for programm, but not for QSO entries, John... :)

All data is imported and ready with a blank as a divider of fields in

my flash-drive.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Hi Ed,

> Good idea !! ... yes it could ... but the problem is

getting hold of Emily (N1DID, ex: W0EEC) who wrote the program ... I

respect the copyright laws and can't change anything without her

permission.

>

> Have a good day Ed.

>

> 73 John. <la2qaa@...>

>

.....
.....

>

> > Date: Sat, 15 Mar 2008 11:44:50 -0800

> > To: la2qaa@...

> > From: kl7uw@...

> > Subject: Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.

> >

> > john,

> >

> > Frustrating, I'm sure. I am wondering if the log entry program can

> > be modified to reject any input including the word "CQ"? If those

> > sending in the CQ reports got repeaded blocks to their entries,

> > perhaps they would give up? ...and save your sanity ;-)

> >

> > my 2cents!

> >

> > At 12:49 AM 3/15/2008, you wrote:

> >

> >

> > >CQ does *NOT* belong in the QSO pane of the AO-7 log. That pane is

> > >for 'actual' QSO's ... 'CQ' might be valid in the COMMENTS field

> > >though I doubt if anyone is interested that somebody called CQ.

> > >

> > >The following "instruction" is in fact on the same page as the log

> > >entry page but here seems to be difficulty with English speaking

> > >stations *NOT understanding the (quote) "If you need to change an

> > >entry you have made, click on the magnifying glass to review the

> > >record ,then click the update link (unquote).

> > >

> > >Presumably, after several requests on the bb's for a little more

> > >dilligence in filling out the log it's quite likely that it's being

> > >done deliberately, which is about on par with the VFO swisher

intelligence

> > >(or should one say, lack of).

> > >

> > >It has been suggested that these stations might not read the bb's ...

> > >point taken - but surely they have eyes? ... and can read their own

> > >entries? ... (as well as the sentence at the top of the page).

> > >

> > >There is *ALWAYS* an excuse for human error ... but the same error

> > >consistently ... well ... you know as well as everyone else ...

> > >

> > >As I mentioned previously, regarding 'statistics' - if they're not

> > >collated correctly, the results will be incorrect ... in that case,

> > >what is the point in filling out the log in the first place ??.

> > >

> > >Pardon me for trying to preserve a very useful resource.

> > >

> > >73 John. <la2qaa@...>

> > >_____

> > >Sent via AMSAT-BB@... Opinions expressed are those of the author.

> > >Not an AMSAT-NA member? Join now to support the amateur satellite

program!

> > >Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

> >

> > **********

> > 73, Ed - KL7UW BP40iq, 6m - 3cm

> > 144-EME: FT-847, mgf-1801, 4x-xp20, 185w

> > http://www.kl7uw.com AK VHF-Up Group

> > NA Rep. for DUBUS: dubususa@...

> > **********

> >

>

1348. Re:ATTENTION !!! the AO-7 log 'CQ' chaps.

Yahoo group: eu-amsat
Date: 2008-03-16 12:19:02 UTC
From: SV1BSX
Topic: 1344 Message: 1348

.....it's funny (or ridiculous?) but have a look on the "user statistics":

http://www.planetemily.com/ao7/userStats.php

"CQ" = 31 QSOs !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
"SELF" = 14 QSOs !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Hmmm ! So.... according to the log, "CQ" and "SELF" are...
2 "new" prefixes, "New DXCC entities" !!!!!!!

Well Gentlemen, to be serious I believe that:

in order to be able to keep this LOG "clear & correct", we must inform those peoples which entered wrong entries by sending personal Emails.

As pointed out before from someone here, obviously they did not read our posts on Eu-AmsAt & Amsat-BB . So probably they are not informed about the problem with "CQ" entries.

Otherwise, if they know this problem and they continue to write wrong entries,

sorry but - in this case definitely they are idiots. And the idiots, always in the

human history was a major problem. Still unsolved ! Don't spend your time.

Have a nice Sunday

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Edward Cole
Cc: amsat-bb@... ; Eu-amsat@yahoogroups.com
Sent: Sunday, March 16, 2008 12:37 PM
Subject: [eu-amsat] RE: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.

Hi Ed,
Good idea !! ... yes it could ... but the problem is getting hold of Emily (N1DID, ex: W0EEC) who wrote the program ... I respect the copyright laws and can't change anything without her permission.

Have a good day Ed.

73 John. <la2qaa@...>
.....

> Date: Sat, 15 Mar 2008 11:44:50 -0800
> To: la2qaa@...

> From: kl7uw@acsalaska.net
> Subject: Re: [amsat-bb] ATTENTION !!! the AO-7 log 'CQ' chaps.
>
> john,
>
> Frustrating, I'm sure. I am wondering if the log entry program can
> be modified to reject any input including the word "CQ"? If those
> sending in the CQ reports got repeaded blocks to their entries,
> perhaps they would give up? ...and save your sanity ;-)
>
> my 2cents!
>
> At 12:49 AM 3/15/2008, you wrote:
>
>
> >CQ does *NOT* belong in the QSO pane of the AO-7 log. That pane is
> >for 'actual' QSO's ... 'CQ' might be valid in the COMMENTS field
> >though I doubt if anyone is interested that somebody called CQ.
> >
> >The following "instruction" is in fact on the same page as the log
> >entry page but here seems to be difficulty with English speaking
> >stations *NOT understanding the (quote) "If you need to change an
> >entry you have made, click on the magnifying glass to review the
> >record ,then click the update link (unquote).
> >
> >Presumably, after several requests on the bb's for a little more
> >dilligence in filling out the log it's quite likely that it's being
> >done deliberately, which is about on par with the VFO swisher intelligence
> >(or should one say, lack of).
> >
> >It has been suggested that these stations might not read the bb's ....
> >point taken - but surely they have eyes? ... and can read their own
> >entries? ... (as well as the sentence at the top of the page).
> >
> >There is *ALWAYS* an excuse for human error ... but the same error
> >consistently ... well ... you know as well as everyone else ...
> >
> >As I mentioned previously, regarding 'statistics' - if they're not
> >collated correctly, the results will be incorrect ... in that case,
> >what is the point in filling out the log in the first place ??.
> >
> >Pardon me for trying to preserve a very useful resource.
> >
> >73 John. <la2qaa@amsat.org>
> >_____
> >Sent via AMSAT-BB@.... Opinions expressed are those of the author.
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> 73, Ed - KL7UW BP40iq, 6m - 3cm
> 144-EME: FT-847, mgf-1801, 4x-xp20, 185w
> http://www.kl7uw.com AK VHF-Up Group
> NA Rep. for DUBUS: dubususa@...
> **********
>

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/16/2008 13:00:53
avast! - copyright (c) 1988-2008 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/16/2008 14:19:06
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1350. AJ9K / 1000 !

Yahoo group: eu-amsat
Date: 2008-03-22 13:35:47 UTC
From: SV1BSX
Topic: 1350 Message: 1350

Congrat's to AJ9K for 1000 points on AO-7's Online LOG.
He is the 4th US-Ham which reaching this score.

http://www.planetemily.com/ao7/userStats.php

Have a nice weekend.

73, Mak SV1BSX

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/22/2008 15:35:52
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1351. DM9LSB /1000 !

Yahoo group: eu-amsat
Date: 2008-03-23 12:13:56 UTC
From: SV1BSX
Topic: 1351 Message: 1351

Congrat's also to DM9LSB for 1000 points on AO-7's Online LOG.
He is the 6th European station (and 12th WW) which reaching this score.

http://www.planetemily.com/ao7/userStats.php

According to statistics, the total score for the first 12 users (above to 1000)
is 25155 points !!! By abstracting 20 % (statistic-error, wrong entries, blank entries etc.)
definitely we can talking in practice for about 20.000 real QSOs ! Just from 12 users !!!

What a great Sat ! The "Grand Old Lady" (aka... AO-7) is still... very beautiful !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/23/2008 14:14:00
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1352. Re: [eu-amsat] DM9LSB /1000 !

Yahoo group: eu-amsat
Date: 2008-03-23 14:38:48 UTC
From: Thomas Frey
Topic: 1351 Message: 1352

SV1BSX schrieb:
>
>
> What a great Sat ! The "Grand Old Lady" (aka... AO-7) is still...
> very beautiful !
>
> 73, Mak SV1BSX
>
>
Happy Easter to you All, only valid entries in the AO-7-log and
many QSO's.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1353. RE: [eu-amsat] DM9LSB /1000 !

Yahoo group: eu-amsat
Date: 2008-03-23 16:00:22 UTC
From: John Hackett
Topic: 1351 Message: 1353

Mak puts it into perspective.

When one thinks about it ... surely on a par with the veritable old RS-10 regarding activity and enjoyment. All we need now is a MEO/HEO bird and we're all ready to rock n' roll.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: terry.bromley@btinternet.com
From: sv1bsx@...
Date: Sun, 23 Mar 2008 14:13:56 +0200
Subject: [eu-amsat] DM9LSB /1000 !

Congrat's also to DM9LSB for 1000 points on AO-7's
Online LOG.
He is the 6th European station (and 12th WW) which reaching
this score.

http://www.planetemily.com/ao7/userStats.php

According to statistics, the total score for the first 12 users (above to
1000)
is 25155 points !!! By abstracting 20 % (statistic-error, wrong
entries, blank entries etc.)
definitely we can talking in practice for about 20.000 real QSOs
! Just from 12 users !!!

What a great Sat ! The "Grand Old Lady" (aka... AO-7) is
still... very beautiful !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/23/2008 14:14:00
avast! - copyright (c) 1988-2008 ALWIL Software.

1354. Re: [eu-amsat] DM9LSB /1000 !

Yahoo group: eu-amsat
Date: 2008-03-23 23:14:47 UTC
From: SV1BSX
Topic: 1351 Message: 1354

Hi John & Group,

well, MEO is a very interesting kind of Satellites, as the Middle Earth Orbit seems to be very-very
attractive for our OSCARs. Looking on a Satellite-tracking program, the footprint of a MEO definitely
opens the... "belly" ! It's delicious !

BTW I am not a ...Space-Engineer, I have no idea about the possible difficulties of MEO-Sats and may be
it's a silly-idea that, but:

is it possible to place a LEO Sat on a higher orbit by using a small booster-engine, ie a small ARCJet?
Just I wondering....

As I know, the main reason for the Low "Height" above Earth-surface for the most LEOs (like VO-52, AO-51) it's
the limited Power-boosting of rockets that places in orbit the LEO-Sats. Higher altitube needs much more powerfull
rocket and thus is very difficult a higher orbit. However, could it be possible to place a Satellite higher by using
a small enclosed booster-engine onto the Spacecraft? I mean that, the Satellite reaching with the usual rocket the
height of 600-700 Km and then, the Satellite achieves a higher Earth-orbit by using the self-power ARCJet engine.
Even if does not reach the height of a MEO - but much lower (i.e. 2000 Km), it's still a LEO but with
a great footprint. Just I wonder...

Another point is the eccentricity - having in my mind the FO-20, where the perigee is 910 and the apogee 1750 Km.
Therefore, the Satellite's orbit has much more "suspense" as sometimes the "Mutual window" is much more bigger
"across the pond" during the apogee and the footprint reaching unusual areas, with great possibilities for unexpected
DX-QSOs (John, I always remember your GREAT QSO with Japan via FO-20 !)
It should be more attractive a similar orbit for the LEOs, in contrast with "perfect" eccentricity where the Satellite's
footprint is always the same.

"Just my 2 cents" but, I would like to see a future LEO or MEO OSCAR, according to above mentioned.

73, Mak SV1BSX

PS: Yes I know, it's Easter..... for similar wishes the perfect season is during the .. Xmas and the qualified
person is named... Santa Claus !

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Sunday, March 23, 2008 6:00 PM
Subject: RE: [eu-amsat] DM9LSB /1000 !

Mak puts it into perspective.

When one thinks about it ... surely on a par with the veritable old RS-10 regarding activity and enjoyment. All we need now is a MEO/HEO bird and we're all ready to rock n' roll.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: terry.bromley@...
From: sv1bsx@...
Date: Sun, 23 Mar 2008 14:13:56 +0200
Subject: [eu-amsat] DM9LSB /1000 !

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/24/2008 1:15:30
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1355. RE: [eu-amsat] DM9LSB /1000 !

Yahoo group: eu-amsat
Date: 2008-03-24 08:50:14 UTC
From: John Hackett
Topic: 1351 Message: 1355

Mak,
Here's an article by a friend of mine that might interest you.

<http://www.g0mrf.freeserve.co.uk/MEOSAT.htm>

David, GøMRF, together with Sam Jewel G4DDK (another friend) whom are truly experts ...
plus a few others are heavily involved with the European stuff going into space.

I can't remember if I mentioned it but I'm presently in contact with Alex of Amsat.ru

Let me know what you think about David's suggestions.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Mon, 24 Mar 2008 01:14:47 +0200
Subject: Re: [eu-amsat] DM9LSB /1000 !

Hi John & Group,

well, MEO is a very interesting kind of
Satellites, as the Middle Earth Orbit seems to be
very-very
attractive for our OSCARs. Looking on a
Satellite-tracking program, the footprint of a MEO
definitely
opens the... "belly" ! It's delicious !

BTW I am not a ...Space-Engineer, I have no idea
about the possible difficulties of MEO-Sats and may be

it's a silly-idea that, but:

is it possible to place a LEO Sat on a higher
orbit by using a small booster-engine, ie a small
ARCJet?
Just I wondering....

As I know, the main reason for the Low "Height"
above Earth-surface for the most LEOs (like VO-52, AO-51) it's
the limited Power-boosting of rockets that places in
orbit the LEO-Sats. Higher altitube needs much more powerfull
rocket and thus is very difficult a higher orbit. However,
could it be possible to place a Satellite higher by
using
a small enclosed booster-engine onto the Spacecraft?
I mean that, the Satellite reaching with the usual rocket the

height of 600-700 Km and then, the Satellite
achieves a higher Earth-orbit by using the self-power ARCJet engine.

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Therefore, the Satellite's orbit has much more "suspense"
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footprint is always the same.

"Just my 2 cents" but, I would like to see a future LEO or
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PS: Yes I know, it's Easter..... for similar
wishes the perfect season is during the .. Xmas and the qualified

person is named... Santa Claus
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From:
John Hackett
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Cc: amsat-bb@...
Sent: Sunday, March 23, 2008 6:00
PM
Subject: RE: [eu-amsat] DM9LSB /1000
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Mak puts it into perspective.

When one thinks about it
... surely on a par with the veritable old RS-10 regarding activity and
enjoyment. All we need now is a MEO/HEO bird and we're all ready to rock n'
roll.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC:

terry.bromley@btinternet.com
From:
sv1bsx@...
Date: Sun, 23 Mar
2008 14:13:56 +0200
Subject: [eu-amsat] DM9LSB /1000 !

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Tested on: 3/24/2008 1:15:30
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1356. Re: MEO Sats

Yahoo group: eu-amsat
Date: 2008-03-24 13:50:47 UTC
From: SV1BSX
Topic: 1356 Message: 1356

Hello John,

well, the page is very-very interesting (I am sad because ... I missed the patent - Hi !!!i).

Of course your friends are well known on Ham Satellite community. The page is very informative, for example
I forgot that the "path-loss" is bigger on a MEO due to higher altitude, so the satellite needs some improving
on Output power and higher antenna-Gain. That means a bigger Power-budget, which is always a difficult case in Space.

However, except this page (unknown to me till yesterday - Tks for QSP) I have not seen any other referral about
the possibility to launch a MEO Sat by Radio Amateurs. Why that?

It is just a "New idea"? or other problems prevent to have in orbit a similar Satellite?

I wonder...

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Monday, March 24, 2008 10:50 AM
Subject: RE: [eu-amsat] DM9LSB /1000 !

Mak,
Here's an article by a friend of mine that might interest you.

<http://www.g0mrf.freeserve.co.uk/MEOSAT.htm>

David, GψMRF, together with Sam Jewel G4DDK (another friend) whom are truly experts ... plus a few others are heavily involved with the European stuff going into space.

I can't remember if I mentioned it but I'm presently in contact with Alex of Amsat.ru

Let me know what you think about David's suggestions.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Mon, 24 Mar 2008 01:14:47 +0200
Subject: Re: [eu-amsat] DM9LSB /1000 !

Hi John & Group,

well, MEO is a very interesting kind of Satellites, as the Middle Earth Orbit seems to be very-very
attractive for our OSCARs. Looking on a Satellite-tracking program, the footprint of a MEO definitely
opens the... "belly" ! It's delicious !

BTW I am not a ...Space-Engineer, I have no idea about the possible difficulties of MEO-Sats and may be
it's a silly-idea that, but:

is it possible to place a LEO Sat on a higher orbit by using a small booster-engine, ie a small ARCJet?
Just I wondering....

As I know, the main reason for the Low "Height" above Earth-surface for the most LEOs (like VO-52, AO-51) it's
the limited Power-boosting of rockets that places in orbit the LEO-Sats. Higher altitube needs much more powerfull
rocket and thus is very difficult a higher orbit. However, could it be possible to place a Satellite higher by using
a small enclosed booster-engine onto the Spacecraft? I mean that, the Satellite reaching with the usual rocket the
height of 600-700 Km and then, the Satellite achieves a higher Earth-orbit by using the self-power ARCJet engine.
Even if does not reach the height of a MEO - but much lower (i.e. 2000 Km), it's still a LEO but with
a great footprint. Just I wonder...

Another point is the eccentricity - having in my mind the FO-20, where the perigee is 910 and the apogee 1750 Km.
Therefore, the Satellite's orbit has much more "suspense" as sometimes the "Mutual window" is much more bigger
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DX-QSOs (John, I always remember your GREAT QSO with Japan via FO-20 !)
It should be more attractive a similar orbit for the LEOs, in contrast with "perfect" eccentricity where the Satellite's
footprint is always the same.

"Just my 2 cents" but, I would like to see a future LEO or MEO OSCAR, according to above mentioned.

73, Mak SV1BSX

PS: Yes I know, it's Easter..... for similar wishes the perfect season is during the .. Xmas and the qualified
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From: John Hackett
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Cc: amsat-bb@...
Sent: Sunday, March 23, 2008 6:00 PM
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Mak puts it into perspective.

When one thinks about it ... surely on a par with the veritable old RS-10 regarding activity and enjoyment. All we need now is a MEO/HEO bird and we're all ready to rock n' roll.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: terry.bromley@...
From: sv1bsx@...
Date: Sun, 23 Mar 2008 14:13:56 +0200
Subject: [eu-amsat] DM9LSB /1000 !

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---

avast! Antivirus: Inbound message clean.

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---
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Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/24/2008 15:51:00
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http://www.avast.com

1357. Re: MEO Sats

Yahoo group: eu-amsat
Date: 2008-03-24 18:39:50 UTC
From: John Hackett
Topic: 1356 Message: 1357

Hello Mak,
Your inquisitiveness about satellites is *EXACTLY* what we need ... people who have a genuine interest ... well done ! Mak.

You mark my words, EU-Amsat has become a well respected group.

To answer your query, there are two main reasons why an MEO hasn't materialised yet ...

1) Normally, commercial rockets don't go there.

2) Nobody in the amateur community has taken the trouble to actually organise something like this ...

Well ... that's not quite true ... GM1SXX and myself have been talking about this since William PE1RAH first presented us with his ideas for a transponder ... and as everyone now knows ... one of William's designs became Hamsat VO-52.

I have previously 'hinted' that I'm in contact with certain elements in Russia. What you are thinking about is 'precisely' what I've been 'messing' with these last months but it's an uphill battle Mak, most people have jobs and families that should and do take priority.

What Al and I propose is a batteryless analogue transponder, a beacon but no 'computer' (as we know it).

Before one dismisses a batteryless satellite I would remind them to look at the last 12 months of AO-7 operations. Such a design would reduce costs dramatically.

The actual 'building' of such a satellite presents no problem at all but getting it to where we want it to go takes a *LOT* of planning.

Don't worry !!! ... (he he) ... as soon as I have something concrete on paper ... the call will go out for Dollars, Pounds, Euros, Kroner, Marks, Pesetas, Zloti, Rubles, chewing gum wrappers and anything else that can be traded for hard cash.

You'll note that my activities have been intentionally limited to a single QSO per day for the last few months on AO-7 ... the rest of the time has been spent on "planning".

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Mon, 24 Mar 2008 15:50:47 +0200
Subject: [eu-amsat] Re: MEO Sats

Hello John,

well, the page is very-very interesting (I am sad
because ... I missed the patent - Hi !!!i).

Of course your friends are well known on Ham
Satellite community. The page is very informative, for
example
I forgot that the "path-loss" is bigger on a MEO due to
higher altitude, so the satellite needs some improving
on Output power and higher
antenna-Gain. That means a bigger Power-budget, which is always

a difficult case in Space.

However, except this page (unknown to me till
yesterday - Tks for QSP) I have not seen any other referral about
the possibility to launch a MEO
Sat by Radio Amateurs. Why that?

It is just a "New idea"? or other problems
prevent to have in orbit a similar Satellite?

I wonder...

73, Mak SV1BSX

----- Original Message -----

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To: eu-amsat@yahoogroups.com
Sent: Monday, March 24, 2008 10:50
AM
Subject: RE: [eu-amsat] DM9LSB /1000
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Mak,
Here's an
article by a friend of mine that might interest you.

<http://www.g0mrf.freeserve.co.uk/MEOSAT.htm>

David,
GψMRF, together with Sam Jewel G4DDK (another friend) whom are truly experts
... plus a few others are heavily involved with the European stuff going into
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I can't remember if I mentioned it but I'm presently in contact
with Alex of Amsat.ru

Let me know what you think about David's
suggestions.

73 John. <la2qaa@...>

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From: sv1bsx@...
Date: Mon, 24 Mar

2008 01:14:47 +0200
Subject: Re: [eu-amsat] DM9LSB /1000 !

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it's a silly-idea that, but:

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rocket and thus is very difficult a higher orbit.
However, could it be possible to place a Satellite
higher by using
a small enclosed booster-engine onto the
Spacecraft? I mean that, the Satellite reaching with the usual rocket
the
height of 600-700 Km and then, the Satellite
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I wonder...

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Km.
Therefore, the Satellite's orbit has much more
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"across the pond" during the apogee and the footprint reaching unusual areas,
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DX-QSOs (John, I always remember your GREAT QSO with
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similar wishes the perfect season is during the .. Xmas and the
qualified
person is named... Santa Claus
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Original Message -----
From:
John Hackett
To:
eu-amsat@yahoogroups.com

Cc:
amsat-bb@...
Sent:
Sunday, March 23, 2008 6:00 PM
Subject:
RE: [eu-amsat] DM9LSB /1000 !

Mak puts it into perspective.

When one thinks about
it ... surely on a par with the veritable old RS-10 regarding activity and
enjoyment. All we need now is a MEO/HEO bird and we're all ready to rock
n' roll.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC:
terry.bromley@...
From:
sv1bsx@yahoo.gr
Date: Sun,
23 Mar 2008 14:13:56 +0200
Subject: [eu-amsat] DM9LSB /1000
!

avast! Antivirus:
Outbound message clean.
Virus Database (VPS): 080313-0,

03/13/2008
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avast! -
copyright (c) 1988-2008 ALWIL Software.

avast!
Antivirus: Inbound message clean.
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03/13/2008
Tested on: 3/24/2008 11:24:20
avast! -
copyright (c) 1988-2008 ALWIL Software.

avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080313-0, 03/13/2008
Tested on: 3/24/2008 15:51:00
avast! - copyright (c) 1988-2008 ALWIL Software.

1358. What can one do ??.

Yahoo group: eu-amsat
Date: 2008-03-31 08:56:39 UTC
From: John Hackett
Topic: 1358 Message: 1358

This morning, AO-9 was FM'ing like nobody's business. A quick sweep of the passband located a station calling CQ with just "slightly" too much power ... (he means: *WAY !! TOO MUCH*, folks).

I and another station called him, probably with the same intent, to politely request that he QRP by about 3 million dB ... (and try connecting a RECEIVE antenna).

As is usually the case , this "gentleman" probably couldn't hear himself too well and consequently "upped" the power to compensate ... so that myself and the other station couldn't communicate either.

I thought ... probably a newcomer and despite the published operating proceedure probably doesn't know any better. He probably doesn't even know !!! the excess power is the root cause of the problem.

Therefore ... I sent a polite e-mail to his QRZ.COM address explaining why cranking up the power would have the OPPOSITE of the desired effect and why one shouod primarily concentrate onthe RECEIVE side on all satellites but in PARTICULAR AO-7.

I asked him to read the operating instructions and history contained on the AO-7 Resource Page.

For my trouble I received an immediate reply telling me in no uncertain terms what an impolite and *BAD* amateur I am... and that I *DO NOT* !!!! own the satellites.

Oh well, now I know !!.

NB.

My e-mail was not !!!! crass, on the contrary, it was very polite and I took the trouble to try to explain "WHY".

In such circumstnces, what can one do ??.

"Hanging out" the Amateur concerned (by callsign) would only start a range war ... beef v sheep.

John Wayne !! wouldn't have stood for it.

73 John. <la2qaa@...>

1359. AO-40 is back !

Yahoo group: eu-amsat
Date: 2008-04-01 14:18:46 UTC
From: SV1BSX
Topic: 1359 Message: 1359

Hi all,

I have great news !!!!!!!!!!!!!!!!!!!!!!!! today morning I heard "Loud & Clear"
the Beacon of AO-40 @ 2.4 GHz !!!!!!!!!!!!

The AO-40 is back-again !!!!!!!!!!!!!!!!!!!!!!

Visit my Web - page for the recorded audio :

http://sv1bsx.50webs.com/Ao40/ao40back.html

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080331-0, 03/31/2008
Tested on: 4/1/2008 17:20:48
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1360. RE: [eu-amsat] AO-40 is back !

Yahoo group: eu-amsat
Date: 2008-04-01 14:53:24 UTC
From: pcalvi@bluewin.ch
Topic: 1359 Message: 1360

FANTASTIC Mak! I fell for it like a complete idiot!!! I immediately started making plans to put back the dish...

Well done!

73 Piero

_____
Piero Calvi-Parisetti MM0TWX
currently also HB9DSU
for music, Ham Radio and more
visit http://www.qsl.net/hb9dsu

----Message d'origine----
De: sv1bsx@...
Date: 01.04.2008 16:18
À: <eu-amsat@yahoogroups.com>
Objet: [eu-amsat] AO-40 is back !

Hi all,

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the Beacon of AO-40 @ 2.4 GHz !!!!!!!!!!!!

The AO-40 is back-again !!!!!!!!!!!!!!!!!!!!!

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73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
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Tested on: 4/1/2008 17:20:48
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1361. Re: [eu-amsat] AO-40 is back !

Yahoo group: eu-amsat
Date: 2008-04-01 15:25:56 UTC
From: Thomas Frey
Topic: 1359 Message: 1361

pcalvi@... schrieb:
> FANTASTIC Mak! I fell for it like a complete idiot!!! I immediately started making plans to put back the dish...
>
> Well done!
>
> 73 Piero
>
Hello Group

This shows, that we all are greedy for a new P3-satellite. :-)

>
>
>
> ----Message d'origine----
> De: sv1bsx@...
> Date: 01.04.2008 16:18
> À: <eu-amsat@yahoogroups.com>
> Objet: [eu-amsat] AO-40 is back !
>
> Hi all,
>
> I have great news !!!!!!!!!!!!!!!!!!!!!!! today morning I heard "Loud & Clear"
> the Beacon of AO-40 @ 2.4 GHz !!!!!!!!!!!!
>
> The AO-40 is back-again !!!!!!!!!!!!!!!!!!!!!!
>
>
> Visit my Web - page for the recorded audio :
>
> http://sv1bsx.50webs.com/Ao40/ao40back.html
>
>
>
> 73, Mak SV1BSX
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>
>
>

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1362. Re: [eu-amsat] AO-40 is back !

Yahoo group: eu-amsat
Date: 2008-04-01 18:43:03 UTC
From: Luc Leblanc
Topic: 1359 Message: 1362

On 1 Apr 2008 at 17:18, SV1BSX wrote:

> Hi all,
>
> I have great news !!!!!!!!!!!!!!!!!!!!!!! today morning I heard "Loud & Clear"
> the Beacon of AO-40 @ 2.4 GHz !!!!!!!!!!!!
>
> The AO-40 is back-again !!!!!!!!!!!!!!!!!!!!!
>
>

JUST TO REMIND EUROPEANS READERS THAT WE ARE THE FIRST OF APRIL AKA APPRIL FOOL DAY!!!:))

> Visit my Web - page for the recorded audio :
>
> http://sv1bsx.50webs.com/Ao40/ao40back.html
>
>
>
> 73, Mak SV1BSX
>
>
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> Tested on: 4/1/2008 17:20:48
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1363. Re: [eu-amsat] AO-40 is back !

Yahoo group: eu-amsat
Date: 2008-04-01 23:23:20 UTC
From: Thomas Frey
Topic: 1359 Message: 1363

Luc Leblanc schrieb:
> On 1 Apr 2008 at 17:18, SV1BSX wrote:
>
>
>> Hi all,
>>
>> I have great news !!!!!!!!!!!!!!!!!!!!!!! today morning I heard "Loud & Clear"
>> the Beacon of AO-40 @ 2.4 GHz !!!!!!!!!!!!
>>
>> The AO-40 is back-again !!!!!!!!!!!!!!!!!!!!!
>>
>>
>>
>
>
> JUST TO REMIND EUROPEANS READERS THAT WE ARE THE FIRST OF APRIL AKA APPRIL FOOL DAY!!!:))
>
>
YES WE KNOW ! THIS IS AN INTERNATIONAL DAY ! :-D

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1364. Err ...

Yahoo group: eu-amsat
Date: 2008-04-03 17:54:26 UTC
From: John Hackett
Topic: 1364 Message: 1364

Amsat News Service ... 3rd April 2008.

Phase 3E AO ??
Proposed launch date
Late 2007.

I know some people have difficulty with offsets for summer time etc but I believe we're currently in April 2008.

A 365 day offset seems a bit extreme to me.

73 John <la2qaa@...>

1365. YO22NATO

Yahoo group: eu-amsat
Date: 2008-04-04 09:41:54 UTC
From: Bratu Florian Gabriel
Topic: 1365 Message: 1365

Starting yesterday until 9 inclusiv i'll shell activate sporadic the special call YO22NATO on AO51, AO27, SO50.
Qsl via buro
73

1366. Re: [eu-amsat] YO22NATO

Yahoo group: eu-amsat
Date: 2008-04-04 10:06:58 UTC
From: Thomas Frey
Topic: 1365 Message: 1366

Bratu Florian Gabriel schrieb:
> Starting yesterday until 9 inclusiv i'll shell activate sporadic the
> special call YO22NATO on AO51, AO27, SO50.
> Qsl via buro
> 73
>
>
>
I'm wondering. I thought HAM Radio is unpolitical ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1367. RE: [eu-amsat] YO22NATO

Yahoo group: eu-amsat
Date: 2008-04-04 10:53:04 UTC
From: John Hackett
Topic: 1365 Message: 1367

Thomas,
Extreemly !!! good point ... it should !! be ... I'm embarrassed on behalf of my Russian friends.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 4 Apr 2008 12:06:58 +0200
Subject: Re: [eu-amsat] YO22NATO

Bratu Florian Gabriel schrieb:

> Starting yesterday until 9 inclusiv i'll shell activate sporadic the

> special call YO22NATO on AO51, AO27, SO50.

> Qsl via buro

> 73

>

>

>

I'm wondering. I thought HAM Radio is unpolitical ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1368. Torre Bert

Yahoo group: eu-amsat
Date: 2008-04-05 10:38:49 UTC
From: Luc Leblanc
Topic: 1368 Message: 1368

Our National TV just aired "the Sputnik years" (Les années Sputnik) where the two Italian brothers Achille & Gian Battista Judica-
Cordiglia. where probably the first "Hearsat" folks in the world.

I try to google for their call sign but nothing seems to match their names. They where using a kind of flat reflector antenna (see the link
below) and i don't know how effective this curious design can be?

One comment from one of the two brothers hit me. The magic in our adventures was the radio...take the radio out and the magic will
disappear they concluded this after the TV broadcast of the first moon landing who was viewed world-wide.

http://www.svengrahn.pp.se/trackind/Torre/TorreB.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1369. PH7PCF /1000 !

Yahoo group: eu-amsat
Date: 2008-04-05 07:00:01 UTC
From: SV1BSX
Topic: 1369 Message: 1369

Congrat's also to Aldert, PH7PCF for 1000 points on AO-7's Online LOG.
He is the 7th European station which reaching this score.

http://www.planetemily.com/ao7/userStats.php

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080331-0, 03/31/2008
Tested on: 4/5/2008 10:02:55
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1370. Re: [eu-amsat] Err ...

Yahoo group: eu-amsat
Date: 2008-04-05 09:34:52 UTC
From: SV1BSX
Topic: 1364 Message: 1370

John,

3-4 years ago I had a chat with Aldert about P3Express and I said to him:

"... don't expect the new HEO sooner than 2008" (did you remember that Aldert?)

It was just my speculation, but unfortunately I have been confirmed. Of course it wasn't a random speculation.
I remember that just the same happened with AO-40 (and other OSCAR-projects). Several adjournments before
the "lift-off". And finally the shipwreck of spacecraft.

I don't know, and I hope to be wrong but I am not optimistic anylonger with HEOs. It is sad but it's obvious that,
any new OSCAR is definitely a very difficult matter. And I hope again to be wrong, but I don't think that the P3Express will be
in orbit soon. To be honest, I believe for the current year is just a nice... dream !

Firstly, the money-budget is not enough in order to complete the project. Second, the problem with rocket-carrier seems
to be unsolved. Ariane-Space has involved with big-deals about Commercial Satellites and, probably it is not any longer
a "supporter" for our P3 OSCAR-Satellites. In addition the process of "P3E project" seems to be significant delayed. This Satellite named "Express" in order to be in Earth orbit ASAP after the AO-40's damage (Jan 2004). They was talking for 2006 and as you pointed out (correctly !!!) now is 2008. But this is not the worst case my friend John. The most unsettling thing is that, they do not talking for anything ! Just a deadly silence.

Practically, we have not idea about the process of Satellite. Any new updating-bulletin is published every.. 1-1.5 years.
As you can easily understand, with this "tempo" the Satellite it's impossible to be in orbit before the year... 2012 - 2015 !

Another matter that make me very thoughtful is the last "announcement" of AMSAT-DL about the AO-40's new recovery-effort.
It's strange for me that which happens during this period. Why now? the last 4 years I did not see any serious effort about AO-40. Now it is strange for me and I am fully surprised with this event. This period should be the final-countdown for preparations about P3E, so the ASMAT-DL should be very "busy". How is possible to have "free-time" for the "dead-bird"?
It's more than Welcome - of course, but on the other hand that sounds to me very-very strange, indeed !

A bad-scenario could be that: they know that the P3E is not a realizable case for the near future...
so, are they hope to do the AO-40 workable again ..? ? !? Hmmm.... ! I believe that it is easier to win in

the... LOTTO !

Sorry guys if I am a bit pessimist tonight. But sometimes the "straightforward way" is better than an illusion.

And even if I am a bit "hard", I am looking forward for the P3E.... it is also for me a part on my Ham-dreams.

But as John pointed-out, I also believe that it's a long-long time to wait from 2004 till now - and who knows
how long - for the new HEO P3E... which in practice it's just an improving model of AO-13. Nothing "extreme",
nothing brand-NEW, in order to be patient for several years... it's just a replication of previous AO-13 with better
electronics.

"Just my 2 cents...."

Have a nice weekend

73 de Mak, SV1BSX

----- Original Message -----
From: John Hackett
To: amsat-bb@...
Cc: Eu-amsat@yahoogroups.com ; allan_gm1sxx@...
Sent: Thursday, April 03, 2008 8:54 PM
Subject: [eu-amsat] Err ...

Amsat News Service ... 3rd April 2008.

Phase 3E AO ??
Proposed launch date
Late 2007.

I know some people have difficulty with offsets for summer time etc but I believe we're currently in April 2008.

A 365 day offset seems a bit extreme to me.

73 John <la2qaa@...>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080331-0, 03/31/2008
Tested on: 4/5/2008 12:35:37
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1371. Re: [eu-amsat] Err ...

Yahoo group: eu-amsat
Date: 2008-04-05 17:43:49 UTC
From: Thomas Frey
Topic: 1364 Message: 1371

SV1BSX schrieb:
> John,
> 3-4 years ago I had a chat with Aldert about P3Express and I said to him:
> "... don't expect the new HEO sooner than 2008" (did you remember that
> Aldert?)
> It was just my speculation, but unfortunately I have been confirmed.
> Of course it wasn't a random speculation.
> I remember that just the same happened with AO-40 (and other
> OSCAR-projects). Several adjournments before
> the "lift-off". And finally the shipwreck of spacecraft.
> I don't know, and I hope to be wrong but I am not optimistic anylonger
> with HEOs. It is sad but it's obvious that,
> any new OSCAR is definitely a very difficult matter. And I hope again
> to be wrong, but I don't think that the P3Express will be
> in orbit soon. To be honest, I believe for the current year is just a
> nice... dream !
> Firstly, the money-budget is not enough in order to complete the
> project. Second, the problem with rocket-carrier seems
> to be unsolved. Ariane-Space has involved with big-deals about
> Commercial Satellites and, probably it is not any longer
> a "supporter" for our P3 OSCAR-Satellites. In addition the process of
> "P3E project" seems to be significant delayed. This Satellite named
> "Express" in order to be in Earth orbit ASAP after the AO-40's damage
> (Jan 2004). They was talking for 2006 and as you pointed out
> (correctly !!!) now is 2008. But this is not the worst case my friend
> John. The most unsettling thing is that, they do not talking for
> anything ! Just a deadly silence.
> Practically, we have not idea about the process of Satellite. Any new
> updating-bulletin is published every.. 1-1.5 years.
> As you can easily understand, with this "tempo" the Satellite it's
> impossible to be in orbit before the year... 2012 - 2015 !
> Another matter that make me very thoughtful is the last "announcement"
> of AMSAT-DL about the AO-40's new recovery-effort.
> It's strange for me that which happens during this period. Why now?
> the last 4 years I did not see any serious effort about AO-40. Now it
> is strange for me and I am fully surprised with this event. This
> period should be the final-countdown for preparations about P3E, so
> the ASMAT-DL should be very "busy". How is possible to have
> "free-time" for the "dead-bird"?
> It's more than Welcome - of course, but on the other hand that sounds
> to me very-very strange, indeed !
> A bad-scenario could be that: they know that the P3E is not a
> realizable case for the near future...
> so, are they hope to do the AO-40 workable again ..? ? !? Hmmm.... ! I
> believe that it is easier to win in

> the... LOTTO !
> Sorry guys if I am a bit pessimist tonight. But sometimes the
> "straightforward way" is better than an illusion.
> And even if I am a bit "hard", I am looking forward for the P3E.... it
> is also for me a part on my Ham-dreams.
> But as John pointed-out, I also believe that it's a long-long time to
> wait from 2004 till now - and who knows
> how long - for the new HEO P3E... which in practice it's just an
> improving model of AO-13. Nothing "extreme",
> nothing brand-NEW, in order to be patient for several years... it's
> just a replication of previous AO-13 with better
> electronics.
>
> "Just my 2 cents...."
>
> Have a nice weekend
>
> 73 de Mak, SV1BSX

Hello Mak and Group

The last anouncement about a launch was made from Peter Guelzow, DB2OS,
in our DL-Journal Q3 2007. Since then its a curious silence around P3E.

Apropos Lotto: We need a winner with a few million Euros ;-)

Mit freundlichen Gru"ssen, Greetings, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1372. Re: [eu-amsat] Err ...

Yahoo group: eu-amsat
Date: 2008-04-05 18:24:59 UTC
From: Luc Leblanc
Topic: 1364 Message: 1372

On 5 Apr 2008 at 12:34, SV1BSX wrote:

> John,
>
> 3-4 years ago I had a chat with Aldert about P3Express and I said to him:
>
> "... don't expect the new HEO sooner than 2008" (did you remember that Aldert?)
>
> It was just my speculation, but unfortunately I have been confirmed. Of course it wasn't a random speculation.
> I remember that just the same happened with AO-40 (and other OSCAR-projects). Several adjournments before
> the "lift-off". And finally the shipwreck of spacecraft.
>

Is too much asking to have "at the minimum" 2 lines on the AMATEUR SATELLITE BB to keep the crowd inform? No need to have 2 pages only 2
lines with the progress!

What it is hurting most the amateur satellite community is the lack on information! If we are proud to be COMMUNICATORS lets demonstrate it
at least here on the internet.

My 2 canadian cents

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1373. Re: PH7PCF /1000 !

Yahoo group: eu-amsat
Date: 2008-04-05 19:06:39 UTC
From: mika.siira
Topic: 1369 Message: 1373

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
>
>
>
> Congrat's also to Aldert, PH7PCF for 1000 points on AO-7's Online LOG.
> He is the 7th European station which reaching this score.
>
> http://www.planetemily.com/ao7/userStats.php
>
>
> 73, Mak SV1BSX
>
>

Hello folks,

Congrats to Aldert also from me. In my opinion, it is just "a number on some chart" that every active AO-7 user can reach by just operating via the bird. Instead of some numbers, I prefer the friendships that I have achieved by operating this old but still very well functional "old lady"!

Mika, OH8MBN

1374. Re: PH7PCF /1000 !

Yahoo group: eu-amsat
Date: 2008-04-05 20:44:57 UTC
From: ph7pcf
Topic: 1369 Message: 1374

Thanks Mak, Mika and others,

I agree with Mika that's it's just a number. But still I'm happy to
have met new and old friends 1000 time on the old lady in space.

73's
Aldert
PH7PCF

--- In eu-amsat@yahoogroups.com, "mika.siira" <mika.siira@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@> wrote:
> >
> >
> >
> >
> > Congrat's also to Aldert, PH7PCF for 1000 points on AO-7's
Online LOG.
> > He is the 7th European station which reaching this score.
> >
> > http://www.planetemily.com/ao7/userStats.php
> >
> >
> > 73, Mak SV1BSX
> >
> >
>
> Hello folks,
>
> Congrats to Aldert also from me. In my opinion, it is just "a number
> on some chart" that every active AO-7 user can reach by just
operating
> via the bird. Instead of some numbers, I prefer the friendships
that I
> have achieved by operating this old but still very well functional
> "old lady"!
>
> Mika, OH8MBN
>

1375. AMSAT-DL received Euros from France

Yahoo group: eu-amsat
Date: 2008-04-05 22:35:58 UTC
From: Thomas Frey
Topic: 1375 Message: 1375

Hello All

This are brand new news. AMSAT-DL received 8'000 Euro from AMSAT-F
and 1'500 Euro from REF for the P3E and P5A projects. Read the story from
Peter, DB2OS, (in German) at
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=157&Itemid=151

Hopefully this will bring us a step closer to an orbiting P3E.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1376. GMT ... (or UTC iuf you prefer).

Yahoo group: eu-amsat
Date: 2008-04-06 13:39:25 UTC
From: John Hackett
Topic: 1376 Message: 1376

To GMT or not to GMT, that is the question...

(With apologies to William Shakespeare).

DH5MK seems to have worked a bunch of European stations on orbit 52808 at 09:10 ...

At that time, the satellite was in fact over Fiji in the South Pacific ... err ... we use GMT times on satellites mein Herr.

He also logged another European station at 09:55 ... (on the same orbit) ... which is pretty clever by anybody's !! standards.

What was all the waffle about statistics? ... and filling in the log correctly ?.

I see we still have the 'CQ''ers ... now augmented by 'CW QSO'

73 John. <la2qaa@amsat.org>

1377. RS3X

Yahoo group: eu-amsat
Date: 2008-04-09 08:19:29 UTC
From: Igor
Topic: 1377 Message: 1377

Station RS3X will be active FM/SSB/CW, between 11 and 13 april this year, via AO7,AO16,AO27,AO51,FO29,SO50,VO52. QSL via RA3XX.
Igor, RW3XL

1378. Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-09 16:44:09 UTC
From: Igor
Topic: 1378 Message: 1378

Hello All!
Service manual, or circuit diagram, or block diagram for Japanese transverter NOA-1200 needed! I'm searching it in www - no result :(

Thank's, de RW3XL

1379. Re: [eu-amsat] Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-09 16:58:36 UTC
From: Thomas Frey
Topic: 1378 Message: 1379

Igor schrieb:
> Hello All!
> Service manual, or circuit diagram, or block diagram for Japanese
> transverter NOA-1200 needed! I'm searching it in www - no result :(
> ---
> Thank's, de RW3XL
>
>
>
Hello Igor

I found this site in cyrillic, hope it helps:
http://hamspirit.od.ua/board/index.php?event=view&id=112420462293&msnum=94473

I don't read cyrillic, but I know the font from many spams. ;-)

Mit freundlichen Gr?ssen, Dosvidanja, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1380. Re: Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-09 17:03:36 UTC
From: Igor
Topic: 1378 Message: 1380

Thank's Thomas, but this cyrillic sound like "url is delayed" :)

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Igor schrieb:
> > Hello All!
> > Service manual, or circuit diagram, or block diagram for Japanese
> > transverter NOA-1200 needed! I'm searching it in www - no result :(
> > ---
> > Thank's, de RW3XL
> >
> >
> >
> Hello Igor
>
> I found this site in cyrillic, hope it helps:
>
http://hamspirit.od.ua/board/index.php?event=view&id=112420462293&msnum=94473
>
> I don't read cyrillic, but I know the font from many spams. ;-)
>
>
> Mit freundlichen Grüssen, Dosvidanja, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

1381. Re: [eu-amsat] Re: Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-09 18:24:14 UTC
From: Thomas Frey
Topic: 1378 Message: 1381

Igor schrieb:
> Thank's Thomas, but this cyrillic sound like "url is delayed" :)
>
Igor, try this link:
http://209.85.135.104/search?q=cache:RAi0PQ9d-rkJ:hamspirit.od.ua/board/index.php%3Fevent%3Dview%26id%3D112420462293%26msnum%3D94473+NOA-1200&hl=de&ct=clnk&cd=2&gl=ch

This site is in the Google-Cache and not deleted.

> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> Igor schrieb:
>>
>>> Hello All!
>>> Service manual, or circuit diagram, or block diagram for Japanese
>>> transverter NOA-1200 needed! I'm searching it in www - no result :(
>>> ---
>>> Thank's, de RW3XL
>>>
>>>
>>>
>>>
>> Hello Igor
>>
>> I found this site in cyrillic, hope it helps:
>>
>>
> http://hamspirit.od.ua/board/index.php?event=view&id=112420462293&msnum=94473
>
>> I don't read cyrillic, but I know the font from many spams. ;-)
>>
>>
>> Mit freundlichen Gr?ssen, Dosvidanja, 73
>> Thomas Frey, HB9SKA
>> _____
>>
>> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>> http://home.datacomm.ch/th.frey/
>>
>>
>
>
>
>

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1382. Re: Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-10 03:27:59 UTC
From: Igor
Topic: 1378 Message: 1382

Many thank's Thomas! I will call to author and ask Him about manual. 73! --- In eu-amsat@yahoogroups.com, Thomas Frey wrote: > > Igor schrieb: > > Thank's Thomas, but this cyrillic sound like "url is delayed" :) > > > Igor, try this link: > http://209.85.135.104/search?q=cache:RAi0PQ9d-rkJ:hamspirit.od.ua/board/index.php%3Fevent%3Dview%26id%3D112420462293%26msnum%3D94473+NOA-1200&hl=de&ct=clnk&cd=2&gl=ch > > This site is in the Google-Cache and not deleted. > > > --- In eu-amsat@yahoogroups.com, Thomas Frey wrote: > > > >> Igor schrieb: > >> > >>> Hello All! > >>> Service manual, or circuit diagram, or block diagram for Japanese > >>> transverter NOA-1200 needed! I'm searching it in www - no result :(> >>> --- > >>> Thank's, de RW3XL > >>> > >>> > >>> > >>> > >> Hello Igor > >> > >> I found this site in cyrillic, hope it helps: > >> > >> > > http://hamspirit.od.ua/board/index.php?event=view&id=112420462293&msnum=94473 > > > >> I don't read cyrillic, but I know the font from many spams. ;-) > >> > >> > >> Mit freundlichen Grüssen, Dosvidanja, 73 > >> Thomas Frey, HB9SKA > >> _____ > >> > >> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 > >> http://home.datacomm.ch/th.frey/ > >> > >> > > > > > > > > > > Mit freundlichen Grüssen, 73 > Thomas Frey, HB9SKA > _____ > > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 > http://home.datacomm.ch/th.frey/ >

1383. Re: Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-04-11 09:04:48 UTC
From: Igor
Topic: 1378 Message: 1383

The question still actual... --- In eu-amsat@yahoogroups.com, "Igor" wrote: > > Many thank's Thomas! > I will call to author and ask Him about manual. > 73! > > --- In eu-amsat@yahoogroups.com, Thomas Frey wrote: > > > > Igor schrieb: > > > Thank's Thomas, but this cyrillic sound like "url is delayed" :) > > > > > Igor, try this link: > > > http://209.85.135.104/search?q=cache:RAi0PQ9d-rkJ:hamspirit.od.ua/board/index.php%3Fevent%3Dview%26id%3D112420462293%26msnum%3D94473+NOA-1200&hl=de&ct=clnk&cd=2&gl=ch > > > > This site is in the Google-Cache and not deleted. > > > > > --- In eu-amsat@yahoogroups.com, Thomas Frey wrote: > > > > > >> Igor schrieb: > > >> > > >>> Hello All! > > >>> Service manual, or circuit diagram, or block diagram for Japanese > > >>> transverter NOA-1200 needed! I'm searching it in www - no result :(> > >>> --- > > >>> Thank's, de RW3XL > > >>> > > >>> > > >>> > > >> Hello Igor > > >> > > >> I found this site in cyrillic, hope it helps: > > >> > > >> > > > > http://hamspirit.od.ua/board/index.php?event=view&id=112420462293&msnum=94473 > > > > > >> I don't read cyrillic, but I know the font from many spams. ;-) > > >> > > >> > > >> Mit freundlichen Grüssen, Dosvidanja, 73 > > >> Thomas Frey, HB9SKA > > >> > _____ > > >> > > >> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 > > >> http://home.datacomm.ch/th.frey/ > > >> > > >> Mit freundlichen Grüssen, 73 > > Thomas Frey, HB9SKA > > > _____ > > > > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 > > http://home.datacomm.ch/th.frey/ > > >

1384. A0-7 & QST/75 !

Yahoo group: eu-amsat
Date: 2008-04-13 10:51:52 UTC
From: SV1BSX
Topic: 1384 Message: 1384
Attachments: 1 described; binary payloads are missing from this source WARC

Hello John,

today morning I was looking on a HardDisk of a friend of mine, and VOILA !

I found an old copy of QST (Jan' 75) where the OSCAR NEWS
reports about ..... the "New Satellite" AO-7 ! ! ! !

Very-very interesting comments about the sensitivity of Mode-A & Mode-B !
Seems to be unchanged nowadays, even without batteries.

73, Mak SV1BSX

ps: FWD also to EU-Amsat

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1385. RE: A0-7 & QST/75 !

Yahoo group: eu-amsat
Date: 2008-04-13 15:10:43 UTC
From: John Hackett
Topic: 1384 Message: 1385

Hi Mak,
A couple of interesting points ...

Pat Gowan (G3IOR) is the amateur who first made us aware of the resurrection on AO-7.

The Oscar News report is where Amsat-UK got it's magazine name.

I have the original 1974 Amsat newsletter and as I mentioned once before, after conferring with Jan King, and daily monitoring of AO-7, I discovered that some of the published information about the satellite in the 1974 newsletter was *NOT* correct ... in particular, the timer and clock system ... confirmed by Jan.

I have a lot of correspondance from Jan and since he was the project leader for AO-7, partly built in his garage (!) what he doesn't know about AO-7 could be written on the back of a gnat's notepad.

As you can imagine ... I maintain a private database of AO-7 material. Maybe one day I'll get around to uploading all these files to EU-Amsat.

I was rather amused at Amsat-UK's "crowing" about AO-16 (the latest Oscar News) and it's 18 years in space ... AO-7 will soon pass
34 years ... almost *TWICE* !!! as long.

73 John. <la2qaa@...>

From: sv1bsx@...
To: la2qaa@...
CC: eu-amsat@yahoogroups.com
Subject: A0-7 & QST/75 !
Date: Sun, 13 Apr 2008 13:51:52 +0300

Hello John,

today morning I was looking on a HardDisk of a friend of
mine, and VOILA !

I found an old copy of QST (Jan' 75) where the OSCAR
NEWS
reports about ..... the "New Satellite" AO-7 ! ! !
!

Very-very interesting comments about the sensitivity of
Mode-A & Mode-B !
Seems to be unchanged nowadays, even without
batteries.

73, Mak SV1BSX

ps: FWD also to EU-Amsat

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

1386. Re: A0-7 & QST/75 !

Yahoo group: eu-amsat
Date: 2008-04-13 16:29:39 UTC
From: SV1BSX
Topic: 1384 Message: 1386

....ok John.

I mentioned the comment which points out that, the Mode-A needs much more Power on Uplink vis-a-vis to Mode-B. (.. that is just the same nowadays).

The second *interesting* point was that:
"there is some problem with high power stations overloading the translator".

So, from this ...historical document it's obvious for me that: The "Alligators" always existed !
They are "all weather, all times, anywhere"... !

I have to laugh...

73, Mak

----- Original Message -----
From: John Hackett
To: SV1BSX
Cc: Eu-amsat@yahoogroups.com
Sent: Sunday, April 13, 2008 6:10 PM
Subject: RE: A0-7 & QST/75 !

Hi Mak,
A couple of interesting points ...

Pat Gowan (G3IOR) is the amateur who first made us aware of the resurrection on AO-7.

The Oscar News report is where Amsat-UK got it's magazine name.

I have the original 1974 Amsat newsletter and as I mentioned once before, after conferring with Jan King, and daily monitoring of AO-7, I discovered that some of the published information about the satellite in the 1974 newsletter was *NOT* correct ... in particular, the timer and clock system ... confirmed by Jan.

I have a lot of correspondance from Jan and since he was the project leader for AO-7, partly built in his garage (!) what he doesn't know about AO-7 could be written on the back of a gnat's notepad.

As you can imagine ... I maintain a private database of AO-7 material. Maybe one day I'll get around to uploading all these files to EU-Amsat.

I was rather amused at Amsat-UK's "crowing" about AO-16 (the latest Oscar News) and it's 18 years in space ... AO-7 will soon pass
34 years ... almost *TWICE* !!! as long.

73 John. <la2qaa@...>

From: sv1bsx@...
To: la2qaa@...
CC: eu-amsat@yahoogroups.com
Subject: A0-7 & QST/75 !
Date: Sun, 13 Apr 2008 13:51:52 +0300

Hello John,

today morning I was looking on a HardDisk of a friend of mine, and VOILA !

I found an old copy of QST (Jan' 75) where the OSCAR NEWS
reports about ..... the "New Satellite" AO-7 ! ! ! !

Very-very interesting comments about the sensitivity of Mode-A & Mode-B !
Seems to be unchanged nowadays, even without batteries.

73, Mak SV1BSX

ps: FWD also to EU-Amsat

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 080331-0, 03/31/2008
Tested on: 4/13/2008 18:18:20
avast! - copyright (c) 1988-2008 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080331-0, 03/31/2008
Tested on: 4/13/2008 19:30:32
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1387. Crawling out of the woodwork.

Yahoo group: eu-amsat
Date: 2008-04-13 17:44:36 UTC
From: John Hackett
Topic: 1387 Message: 1387

Hi Mak,
You're absolutely right about the difference in the transponders on AO-7 ... also that nothing has changed regarding the alligators.

The mode-B transponder was *ALWAYS* recommended as a maximim of 100w ERP but a lot of people (predominently Americans) use 50 watt transceivers with gain antennas.

I distinctly remember one gentleman "advising" a miniumum of an 80w BRICK with a yago for mode-B.

Almost "nobody" reduces power as the satellite approaches. There "is" a difference in the required power when the satellite is 3000 km distant vis-a-vis 900 km.

Another thing that never changes is every saturday morning the European deliberate QRM dit'ers come creeping out of the woodwork.

I have never understood "why" these clown use their equipment to attempt to didturb people instead of actually having a QSO.

The paradox last Saturday was that the more some clown was putting a series of dits on my QSO's - the more stations called me - so rather thast disturbing - he was in fact attracting stations so I didnt have to call CQ, I just sat there and answered.

It's fairly easy to see which country the "gentleman" is from- by watching the footprint over time (many passes). It's an experienced operator so the behaviour is rather strange.

With satellite operating, it's from the neck up !! that counts but our deliberate QRM gentleman (?) obviously operates from the socks down !!.

73 John. <la2qaa@...>

1388. Welcome KB1JTB

Yahoo group: eu-amsat
Date: 2008-04-14 08:16:18 UTC
From: John Hackett
Topic: 1388 Message: 1388

On behalf of the EU-Amsat Michael I'd like to welcome you to the group.

It's always refreshing to see somebody getting interested in amateur satellite operating.

Please feel free to ask any questions no matter how "basic" they may seem to you ... we've 'ALL* been there ... wondering about this or that.

I'm sure somebody in this group will have an answer.

73 John. <la2qaa@...>

Homepage: <http://www.observations.biz>

1389. ESEO Project Update April 2008

Yahoo group: eu-amsat
Date: 2008-04-15 21:00:55 UTC
From: Trevor
Topic: 1389 Message: 1389

An update on the ESEO project can be seen at

http://www.uk.amsat.org/

Further information should be available in time for the AMSAT-UK Colloquium which is being held at the University of Surrey in Guildford, England from Friday 25th to Sunday 28th July, see http://www.uk.amsat.org/Colloquium/

AMSAT-UK publish a quarterly newsletter OSCAR News and you can join online at https://secure.amsat.org.uk/subscription/

73 Trevor M5AKA

_____
Yahoo! For Good helps you make a difference

http://uk.promotions.yahoo.com/forgood/

1390. RS3X score :)

Yahoo group: eu-amsat
Date: 2008-04-15 21:17:26 UTC
From: Igor
Topic: 1390 Message: 1390

Hello Friends!
For three days of work the station RS3X has more than 100 QSO with 20 DXCC counries using sats: AO7, AO16, AO27, AO51, FO29, SO50 and VO52.
Many thanks for All!
---
de Igor, RW3XL

1391. Re: [amsat-bb] French REF Annual Report Mentions Possible 3.4 GHz Allocation

Yahoo group: eu-amsat
Date: 2008-04-18 03:45:19 UTC
From: Luc Leblanc
Topic: 1391 Message: 1391

As my first post has been banned by AMSAT-NA censorship office here is a repost plus a copy to eu-amsat@yahoogroups.com

On 16 Apr 2008 at 8:25, Trevor wrote:

> The French National Society REF recently released their annual report, on 3.4
> GHz it says:
>
> Dossier 3,4 GHz :
> L´administration est d´accord pour lancer une nouvelle étude qui porte sur une
> largeur réduite à 200 ou 300 KHz en début de bande et nous demande un dossier
> complémentaire à nos demandes précédentes.
>
> The full report (unfortunately not in English) can be read at
> http://ag.ref-union.org/2008/rapport_moral_2008.pdf

Hi Trevor
The reports just repeat what you wrote above regarding the 3.4ghz band

File 3,4 GHz:
The administration agrees to launch a new study which relates to a width reduced to 200 or 300 Khz at the beginning of the band and
requires of us to send a complementary file to our preceding requests.

Now just check this site. Not only the air is polluted but the space too! That's explain why AMSAT-NA is waiting to launch the next HEO
and why they prefer short life disposable cubes or commercial ride. They are now turning green! as Mr Bob McGwier told me recently.
Could be they will just have to rent a commercial satellite up/down channel and called it the E channel!

Excerpt

The members give us essentially zero dollars to support the building and
launching of satellites through their dues. What they barely cover (if
they do cover it) is their membership costs.

We desire a large system that will eventually encompass the
globe for geostationary. In addition, we are supporting Phase 3E with
MORE DOLLARS THAN WE ARE GETTING FROM INTERNATIONAL DONORS.

Bob

End of the excerpt!

Could be the international donors also contribute to P3E directly? As the world does not end at the American border! and as the world is
not flat, they don't have to fear to jump in the void at the other end of the ocean... but as 10% of the Americans believe Elvis is alive
anything is possible...

http://www.elvis-is-alive.com/
http://en.wikipedia.org/wiki/Elvis_sightings

The ESA link
http://www.esa.int/esa-mmg/mmg.pl?type=I&collection=Spacecraft%20Operations

---

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1392. FB SV1BSX

Yahoo group: eu-amsat
Date: 2008-04-18 08:47:29 UTC
From: John Hackett
Topic: 1392 Message: 1392

FB!,
Excellent! signal from you this morning Mak, Greece to Norway is certainly no record but it's better than a kick in the backside!.

Considering we're both plagued by mountains, we did good.

Well done Mak.

73 John. <la2qaa@...>

1393. Re: [eu-amsat] Re: [amsat-bb] French REF Annual Report Mentions Possible 3.4 GHz Allocation

Yahoo group: eu-amsat
Date: 2008-04-18 10:52:36 UTC
From: Thomas Frey
Topic: 1391 Message: 1393

Luc Leblanc schrieb:
>
>
> Now just check this site. Not only the air is polluted but the space too! That's explain why AMSAT-NA is waiting to launch the next HEO
> and why they prefer short life disposable cubes or commercial ride. They are now turning green! as Mr Bob McGwier told me recently.
> Could be they will just have to rent a commercial satellite up/down channel and called it the E channel!
>
> Excerpt
>
> The members give us essentially zero dollars to support the building and
> launching of satellites through their dues. What they barely cover (if
> they do cover it) is their membership costs.
>
> We desire a large system that will eventually encompass the
> globe for geostationary. In addition, we are supporting Phase 3E with
> MORE DOLLARS THAN WE ARE GETTING FROM INTERNATIONAL DONORS.
>
> Bob
>
> End of the excerpt!
>
> Could be the international donors also contribute to P3E directly? As the world does not end at the American border! and as the world is
> not flat, they don't have to fear to jump in the void at the other end of the ocean... but as 10% of the Americans believe Elvis is alive
> anything is possible...
>
>

Hello Luc

You are right, the world is not flat like an American Pizza.
AMSAT-DL received 9'500 Euros in total from France. See the news at
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=157&Itemid=151

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1394. Re: [eu-amsat] FB SV1BSX

Yahoo group: eu-amsat
Date: 2008-04-18 13:48:30 UTC
From: SV1BSX
Topic: 1392 Message: 1394

Hi John,

yes indeed, today morning it was a nice QSO with clear-crystal-CW audio from GOL (Grand Old Lady) .

I also enjoyed that, even if I was afraid the rapidly LOS of your signal, when the GOL approached very close

to my local mount (M.Parnis - 1450 m. ASL)

..-. -... John -...- .... .--. . -.-. ..- .- --. -.

73, Mak SV1BSX ...-.-

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: sv1bsx@...
Sent: Friday, April 18, 2008 11:47 AM
Subject: [eu-amsat] FB SV1BSX

FB!,
Excellent! signal from you this morning Mak, Greece to Norway is certainly no record but it's better than a kick in the backside!.

Considering we're both plagued by mountains, we did good.

Well done Mak.

73 John. <la2qaa@...>

---

avast! Antivirus: Inbound message clean.

Virus Database (VPS): 080416-0, 04/16/2008
Tested on: 4/18/2008 12:26:29
avast! - copyright (c) 1988-2008 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080416-0, 04/16/2008
Tested on: 4/18/2008 16:48:35
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1395. ICOM IC-475

Yahoo group: eu-amsat
Date: 2008-04-18 14:02:08 UTC
From: SV1BSX
Topic: 1395 Message: 1395

Hello,

has anybody from this Group any experience with ICOM IC-475 ? (UHF All Mode).

A fried of mine is interested to buy this one for Satellite-use but
I can't find any accurate Review (or comment) about this RIG on Internet.

If someone has experience, any comment is HIGHLY Appreciated !
(Especially I would like to know the "BAD"-points of it).

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080416-0, 04/16/2008
Tested on: 4/18/2008 17:02:14
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1396. AO-7's Eclipse period: is BACK agn

Yahoo group: eu-amsat
Date: 2008-04-23 05:42:27 UTC
From: SV1BSX
Topic: 1396 Message: 1396

Hello

today morning (03:17 - 03:20 Z) the AO-7 returned to eclipse-period.
Therefore, the 24 Hours Timer has lost the "Counting" and the "Grand Old Lady"
is active again in Mode-B --***and NOT in Mode-A***, as today normally expected .

Just keep in mind that. AO-7 Online LOG is now very helpful tool
for anybody which looking for the currect Mode.

So, don't forget: KEEP the Log "CORRECT & CLEAR".

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080421-1, 04/21/2008
Tested on: 4/23/2008 8:42:40
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1397. AO-7's Eclipse period: CORRECTION !

Yahoo group: eu-amsat
Date: 2008-04-23 07:25:43 UTC
From: SV1BSX
Topic: 1397 Message: 1397

Hello again,

I surpised a few minutes before, as the AO-7 was active in Mode-A (orbit #53010), and NOT in Mode-B as
I observed in the previous orbit #53009.

So, as I noticed just now in NOVA, the Eclipse period has began yesterday (22 April ' 08), NO today !
It is interesting that, from now the AO-7 comes through a small eclipse period several times in the same day,
thus it's possible to have "Swithing" between Mode-A & Mode-B quite often .

73, Mak SV1BSX

----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Wednesday, April 23, 2008 8:42 AM
Subject: [eu-amsat] AO-7's Eclipse period: is BACK agn

Hello

today morning (03:17 - 03:20 Z) the AO-7 returned to eclipse-period.
Therefore, the 24 Hours Timer has lost the "Counting" and the "Grand Old Lady"
is active again in Mode-B --***and NOT in Mode-A***, as today normally expected .

Just keep in mind that. AO-7 Online LOG is now very helpful tool
for anybody which looking for the currect Mode.

So, don't forget: KEEP the Log "CORRECT & CLEAR".

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

---

avast! Antivirus: Outbound message clean.

Virus Database (VPS): 080421-1, 04/21/2008
Tested on: 4/23/2008 8:42:40
avast! - copyright (c) 1988-2008 ALWIL Software.

---

avast! Antivirus: Inbound message clean.

```
Virus Database (VPS): 080421-1, 04/21/2008
Tested on: 4/23/2008 8:45:27
avast! - copyright (c) 1988-2008 ALWIL Software.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080421-1, 04/21/2008
Tested on: 4/23/2008 10:25:49
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com
```

1398. Re: AO-7's Eclipse period: CORRECTION !

Yahoo group: eu-amsat
Date: 2008-04-23 08:01:25 UTC
From: Igor
Topic: 1397 Message: 1398

Hello!
I'm trying to listen MODE-B orbits 53019 and 53020 today and make a fault :)
Thank's for info Mak!

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello again,
>
> I surpised a few minutes before, as the AO-7 was active in Mode-A (orbit #53010), and NOT in Mode-B as
> I observed in the previous orbit #53009.
>
> So, as I noticed just now in NOVA, the Eclipse period has began yesterday (22 April ' 08), NO today !
> It is interesting that, from now the AO-7 comes through a small eclipse period several times in the same day,
> thus it's possible to have "Swithing" between Mode-A & Mode-B quite often .
>
> 73, Mak SV1BSX
>
>
>
>
>
>
> ----- Original Message -----
> From: SV1BSX
> To: eu-amsat@yahoogroups.com
> Sent: Wednesday, April 23, 2008 8:42 AM
> Subject: [eu-amsat] AO-7's Eclipse period: is BACK agn
>
>
> Hello
>
> today morning (03:17 - 03:20 Z) the AO-7 returned to eclipse-period.
> Therefore, the 24 Hours Timer has lost the "Counting" and the "Grand Old Lady"
> is active again in Mode-B --***and NOT in Mode-A***, as today normally expected .
>
> Just keep in mind that. AO-7 Online LOG is now very helpful tool
> for anybody which looking for the currect Mode.
>

> So, don't forget: KEEP the Log "CORRECT & CLEAR".
>
> 73 de Mak, SV1BSX
>
>
> Email: sv1bsx "AT" yahoo ..gr
> URL : http://sv1bsx.50webs.com
>
>
>
>

>
> avast! Antivirus: Outbound message clean.
>
> Virus Database (VPS): 080421-1, 04/21/2008
> Tested on: 4/23/2008 8:42:40
> avast! - copyright (c) 1988-2008 ALWIL Software.
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>
> avast! Antivirus: Inbound message clean.
>
> Virus Database (VPS): 080421-1, 04/21/2008
> Tested on: 4/23/2008 8:45:27
> avast! - copyright (c) 1988-2008 ALWIL Software.
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>
>
>
> ---
> avast! Antivirus: Outbound message clean.
> Virus Database (VPS): 080421-1, 04/21/2008
> Tested on: 4/23/2008 10:25:49
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>

1399. Re: [eu-amsat] Re: AO-7's Eclipse period: CORRECTION !

Yahoo group: eu-amsat
Date: 2008-04-23 08:52:08 UTC
From: SV1BSX
Topic: 1397 Message: 1399

Hi Igor,

I hope .... to be not the cause you have lost the pass !!!

Just now 08:05Z (orbit #53011 according to NOVA) the "Grand Old Lady" is
QRV on
Mode-A once more time, even if passed through a small eclipse between
07:06 - 07:10Z.

73 de Mak, SV1BSX

----- Original Message -----
From: "Igor" <rw3xl@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, April 23, 2008 11:01 AM
Subject: [eu-amsat] Re: AO-7's Eclipse period: CORRECTION !

> Hello!
> I'm trying to listen MODE-B orbits 53019 and 53020 today and make a
> fault :)
> Thank's for info Mak!
>
> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>>
>> Hello again,
>>
>> I surpised a few minutes before, as the AO-7 was active in Mode-A
> (orbit #53010), and NOT in Mode-B as
>> I observed in the previous orbit #53009.
>>
>> So, as I noticed just now in NOVA, the Eclipse period has began
> yesterday (22 April ' 08), NO today !
>> It is interesting that, from now the AO-7 comes through a small
> eclipse period several times in the same day,
>> thus it's possible to have "Swithing" between Mode-A & Mode-B quite
> often .
>>
>> 73, Mak SV1BSX
>>
>>
>>
>>
>>
>>
>> ----- Original Message -----
>> From: SV1BSX

>> To: eu-amsat@yahoogroups.com
>> Sent: Wednesday, April 23, 2008 8:42 AM
>> Subject: [eu-amsat] AO-7's Eclipse period: is BACK agn
>>
>>
>> Hello
>>
>> today morning (03:17 - 03:20 Z) the AO-7 returned to eclipse-period.
>> Therefore, the 24 Hours Timer has lost the "Counting" and the
> "Grand Old Lady"
>> is active again in Mode-B --***and NOT in Mode-A***, as today
> normally expected .
>>
>> Just keep in mind that. AO-7 Online LOG is now very helpful tool
>> for anybody which looking for the currect Mode.
>>
>> So, don't forget: KEEP the Log "CORRECT & CLEAR".
>>
>> 73 de Mak, SV1BSX
>>
>>
>> Email: sv1bsx "AT" yahoo ..gr
>> URL : http://sv1bsx.50webs.com
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> ---
>>
>> avast! Antivirus: Outbound message clean.
>>
>> Virus Database (VPS): 080421-1, 04/21/2008
>> Tested on: 4/23/2008 8:42:40
>> avast! - copyright (c) 1988-2008 ALWIL Software.
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>> avast! Antivirus: Inbound message clean.
>>
>> Virus Database (VPS): 080421-1, 04/21/2008
>> Tested on: 4/23/2008 8:45:27
>> avast! - copyright (c) 1988-2008 ALWIL Software.
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>> ---
>> avast! Antivirus: Outbound message clean.
>> Virus Database (VPS): 080421-1, 04/21/2008
>> Tested on: 4/23/2008 10:25:49
>> avast! - copyright (c) 1988-2008 ALWIL Software.
>> http://www.avast.com
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> ------------------------------------
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> Yahoo! Groups Links
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>
> ---
> avast! Antivirus: Inbound message clean.
> Virus Database (VPS): 080421-1, 04/21/2008
> Tested on: 4/23/2008 11:13:30
> avast! - copyright (c) 1988-2008 ALWIL Software.
> http://www.avast.com
>
>
>

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 080421-1, 04/21/2008
Tested on: 4/23/2008 11:52:13
avast! - copyright (c) 1988-2008 ALWIL Software.
http://www.avast.com

1400. Six teams vie for satellite prize

Yahoo group: eu-amsat
Date: 2008-04-24 06:39:35 UTC
From: Trevor
Topic: 1400 Message: 1400

Six teams of students are vying for the chance to build an experiment for a satellite that will launch in 2010, see

http://www.southgatearc.org/news/april2008/satellite_prize.htm

73 Trevor M5AKA

Daily Amateur Radio RSS News: http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website: http://www.southgatearc.org/rss/index.htm
News On Your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News: http://www.southgatearc.org/news/your_news.htm
---

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1401. Delfi C3 launch succes

Yahoo group: eu-amsat
Date: 2008-04-28 04:25:48 UTC
From: Luc Leblanc
Topic: 1401 Message: 1401

I am watching the PLSV-C9 launch from India and at 0408Z PSLV-C9 was at 2932 km downrange at an altitude of 626KM and the launch was
perfect at 0353Z. The tentative Delfi C3 KEPS "seems" to be ahead of the actual PSLV-C9 position. We will not be able here on the eastern
North American side to get the sat before 1329Z (0929 EST)

RASCALS is working tracking is ready i just wait for the real KEPS and the first report from the western coast of NA.

Congratulations for the launch team in India and it's could be a world premiere a 10 satellites launch on a single rocket.

P.S. Europe will have couple of pass jin the morning just send your report on the BB

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1402. [Fwd: [vusat] Six Amateur Radio Satellites Launched from India]

Yahoo group: eu-amsat
Date: 2008-04-28 13:06:29 UTC
From: Thomas Frey
Topic: 1402 Message: 1402
Attachments: 1 described; binary payloads are missing from this source WARC

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1403. Delfi-C3 2li Keps

Yahoo group: eu-amsat
Date: 2008-04-28 15:11:18 UTC
From: SV1BSX
Topic: 1403 Message: 1403

```
DELFI-C3
1 32783U 08021A 08119.33805163 .00165610 00000-0 23146-1 0 23
2 32783 097.9217 179.2401 0029749 230.8058 129.0516 14.76344380 27
```

1404. DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 15:29:37 UTC
From: Luc Leblanc
Topic: 1404 Message: 1404

My first DELFI c3 TLM reception signal s6 TO s7 copy Q5 reception. The first low pass elevation has not been heard (Bad Keps) now all is
working smootly. Here is a part of the 70KB file i got from this new bird

```
from: DLFIC3 to: TLM a8 98 9b 40 40 40 00 88 98 8c 92 86 66 01 03 f0 f6 00 d4 01 01 15 45
14 56 14 63 11 74 0e 7e 0a 85 05 8b 00 8e b4
23 b0 2f ab 39 99 4a 7d 59 59 66 2e 72 04 7b 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 b0 cf 00 00 6f 80 17 b0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
from: DLFIC3 to: TLM a8 98 9b 40 40 40 00 88 98 8c 92 86 66 01 03 f0 f6 00 e2 01 b6 83 cb
ff 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 ff 3f f9 fa 48 2c 6c 12 01 09 00 00 00 00 3b 00 80 83 4b 00 58 02 40 0c 00 70 0d 00
66 00 68 06 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
79 7b 3b 6f 00 00 00 00
from: DLFIC3 to: TLM a8 98 9b 40 40 40 00 88 98 8c 92 86 66 01 03 f0 f6 00 e3 01 01 3d 32
3c 50 3a 62 34 74 2a 7f 1e 87 0f 8e 01 93 6e
22 6c 39 68 47 5d 58 4d 65 37 6f 1c 79 02 80 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 cb b9 00 00 79 7b 3d 6f 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
from: DLFIC3 to: TLM a8 98 9b 40 40 40 00 88 98 8c 92 86 66 01 03 f0 f6 00 e5 01 01 41 31
3f 4d 3d 5e 37 70 2d 7b 20 83 10 8b 01 8f 6f
23 6d 3c 69 4b 5e 5c 4d 69 37 73 1c 7c 02 83 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 cd b5 00 00 7a 7b 41 72 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
```

Congratulations to the teams they make it!!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1405. Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 15:35:18 UTC
From: Luc Leblanc
Topic: 1404 Message: 1405

Forgot to mention DELFI C 3 was on 145.93mhz in the morning pass here FN36KA

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1406. Re: [eu-amsat] Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 16:31:01 UTC
From: SV1BSX
Topic: 1404 Message: 1406

Hi Luc,

also very nice job this excellent TLM-copy from your side!

Congratulations.. well done !

73 de Mak, SV1BSX

ps: can you post here the Keplerians that you have used? is it the OBJECT-A?

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Monday, April 28, 2008 6:35 PM
Subject: [eu-amsat] Re: DELFI C-3 F SECOND PASS

> Forgot to mention DELFI C 3 was on 145.93mhz in the morning pass here
> FN36KA
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1407. Re: [eu-amsat] Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 16:51:53 UTC
From: Kostas Ioannidis
Topic: 1404 Message: 1407

Yes , please post the correct keplerians! Mine are incorrect and cant hear the satellite!

73 de sw1ixp

1408. DELFI C3 data analysis

Yahoo group: eu-amsat
Date: 2008-04-28 16:58:57 UTC
From: Luc Leblanc
Topic: 1408 Message: 1408

Here is some data from the (1)60 deg and (2) 8 deg morning pass

1- 968 packet decoded
2- 950 packet decoded (a very low pass s5 to S6 signal)
Data has been received on 145.930 Mhz science frq (antenna SWR 1:1) all solar panels and antennas deployed

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1409. Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 17:04:38 UTC
From: Igor
Topic: 1404 Message: 1409

Hello Kostas!
I'm using keplerians from DELFIC3-site. Time is OK. Last pass was strong.
Delfi-C3
1 40001U 08001 A 08119.17480347 .00000000 00000-0 00000-0 0 0011
2 40001 97.9496 179.1163 0003840 005.5586 207.0447 14.79369753 00001

In amsat-bb posted:

"Hi all,
w.r.t TLE's for Delfi-C3, for now we advise everyone to keep using the
"old" TLE's as published on our Mission Operations Page at
http://www.delfic3.nl/index.php?option=com_content&task=view&id=93&Itemid=122
These seemed to match best on the last good pass over our
groundstation this
afternoon.
73!
Wouter Jan Ubbels PE4WJ"

--- In eu-amsat@yahoogroups.com, "Kostas Ioannidis"
<kostas.ioannidis@...> wrote:
>
> Yes , please post the correct keplerians! Mine are incorrect and cant
> hear the satellite!
>
> 73 de sw1ixp
>

1410. Re: [eu-amsat] Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 17:07:23 UTC
From: Kostas Ioannidis
Topic: 1404 Message: 1410

Ok! Thank you a lot.

73 de sw1ixp

1411. Re: [eu-amsat] DELFI C3 data analysis

Yahoo group: eu-amsat
Date: 2008-04-28 17:14:34 UTC
From: Kostas Ioannidis
Topic: 1408 Message: 1411

The downlink signal is strong?

73 de sw1ixp

1412. Re: DELFI C3 data analysis

Yahoo group: eu-amsat
Date: 2008-04-28 17:17:31 UTC
From: Igor
Topic: 1408 Message: 1412

Yes, but with slow QSB. Listen freq. 145930.0 +/- doppler

--- In eu-amsat@yahoogroups.com, "Kostas Ioannidis"
<kostas.ioannidis@...> wrote:
>
> The downlink signal is strong?
>
> 73 de sw1ixp
>

1413. Launch video.

Yahoo group: eu-amsat
Date: 2008-04-28 17:30:06 UTC
From: John Hackett
Topic: 1413 Message: 1413

Hi All,
Those wishing to watch the actual ISRO launch can check out the BBC's international news website.

On behalf of all at EU-Amsat, we congratulate everybody concerned/involved in all 10 satellites.

73 John. <la2qaa@...>

1414. Re: [eu-amsat] Re: DELFI C-3 F SECOND PASS

Yahoo group: eu-amsat
Date: 2008-04-28 17:30:56 UTC
From: Luc Leblanc
Topic: 1404 Message: 1414

On 28 Apr 2008 at 19:31, SV1BSX wrote:

> Hi Luc,
>
> also very nice job this excellent TLM-copy from your side!
>
> Congratulations.. well done !
>
> 73 de Mak, SV1BSX
>
> ps: can you post here the Keplerians that you have used? is it the OBJECT-A?

Here is the last summary

I track in the middle of the pack "Object C" but on the last noon pass i heard 3 additional carrier on 145.93 without any modulation? i
don't know where they are coming from. It is near a full time job to be able to listen for about 10 sats so closed in orbit...

```
OBJECT A
1 32783U 08021A 08119.33805163 .00165610 00000-0 23146-1 0 23
2 32783 097.9217 179.2401 0029749 230.8058 129.0516 14.76344380 27
OBJECT B
1 32784U 08021B 08119.40514136 -.00000054 00000-0 00000+0 0 11
2 32784 098.0072 179.4195 0015546 332.7115 027.3251 14.80994958 31
OBJECT C
1 32785U 08021B 08119.40517004 -.00000054 00000-0 00000+0 0 19
2 32785 098.0039 179.4530 0012580 286.0559 073.9245 14.80543386 31
OBJECT D
1 32786U 08021D 08119.40511310 -.00000054 00000-0 00000+0 0 14
2 32786 098.0112 179.4423 0012438 298.8152 061.1764 14.80937264 34
OBJECT E
1 32787U 08021E 08119.47361555 -.00000052 00000-0 00000+0 0 14
2 32787 097.9345 179.3954 0032911 220.1231 139.8515 14.76313341 40
OBJECT A
1 32794U 08022A 08119.44406574 .00000040 88710-6 00000+0 0 28
2 32794 048.8128 300.5404 7477587 359.9142 134.7509 02.07074130 16
OBJECT F
0 1 32788U 08021F 08119.53974580 .00174098 00000-0 21624-1 0 18
2 32788 097.9787 179.6173 0015896 285.5399 072.4839 14.81494237 52
OBJECT G
1 32789U 07021G 08119.60740078 -.00000054 00000-0 00000+0 0 13
2 32789 098.0082 179.6267 0015321 307.2977 051.0656 14.81417433 68
```

P.S. I don't know why they named 2 Object A?

"-"
"It is not the class of license the amateur holds, but the class of the amateur that holds the license."

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1415. DELFI C-3 F SECOND PASS DECONDING

Yahoo group: eu-amsat
Date: 2008-04-28 20:42:45 UTC
From: SW1JGW
Topic: 1404 Message: 1415

Today i have decoded the telemetry. Only some packets of course!!
I used an audigy Sound card (I use the same for DRM and SD Radio
with good resaults) Unfortunatelly i sent the telemetry data as
guest user. From tomorrow i will register with my callsign!!
I think that we must use autodoppler to have the best value on
signal to noise because its nessesary for synchronization!!!
I think that my drm activity help me to decode.
73 de sw1jgw

-- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On 28 Apr 2008 at 19:31, SV1BSX wrote:
>
> > Hi Luc,
> >
> > also very nice job this excellent TLM-copy from your side!
> >
> > Congratulations.. well done !
> >
> > 73 de Mak, SV1BSX
> >
> > ps: can you post here the Keplerians that you have used? is it
the OBJECT-A?
>
> Here is the last summary
>
> I track in the middle of the pack "Object C" but on the last noon
pass i heard 3 additional carrier on 145.93 without any modulation?
i
> don't know where they are coming from. It is near a full time job
to be able to listen for about 10 sats so closed in orbit...
>
>
>
> OBJECT A
> 1 32783U 08021A 08119.33805163 .00165610 00000-0 23146-1 0
23
> 2 32783 097.9217 179.2401 0029749 230.8058 129.0516 14.76344380
27
> OBJECT B
> 1 32784U 08021B 08119.40514136 -.00000054 00000-0 00000+0 0
11
> 2 32784 098.0072 179.4195 0015546 332.7115 027.3251 14.80994958
31
> OBJECT C

> 1 32785U 08021B 08119.40517004 -.00000054 00000-0 00000+0 0
19
> 2 32785 098.0039 179.4530 0012580 286.0559 073.9245 14.80543386
31
> OBJECT D
> 1 32786U 08021D 08119.40511310 -.00000054 00000-0 00000+0 0
14
> 2 32786 098.0112 179.4423 0012438 298.8152 061.1764 14.80937264
34
> OBJECT E
> 1 32787U 08021E 08119.47361555 -.00000052 00000-0 00000+0 0
14
> 2 32787 097.9345 179.3954 0032911 220.1231 139.8515 14.76313341
40
> OBJECT A
> 1 32794U 08022A 08119.44406574 .00000040 88710-6 00000+0 0
28
> 2 32794 048.8128 300.5404 7477587 359.9142 134.7509 02.07074130
16
> OBJECT F
> 0 1 32788U 08021F 08119.53974580 .00174098 00000-0 21624-1
0 18
> 2 32788 097.9787 179.6173 0015896 285.5399 072.4839 14.81494237
52
> OBJECT G
> 1 32789U 07021G 08119.60740078 -.00000054 00000-0 00000+0 0
13
> 2 32789 098.0082 179.6267 0015321 307.2977 051.0656 14.81417433
68
>
>
>
> P.S. I don't know why they named 2 Object A?
>
>
> "-"
> "It is not the class of license the amateur holds, but the class
of the amateur that holds the license."
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

1416. Delfi-C3 Heard @ 19:37Z on KM17UW

Yahoo group: eu-amsat
Date: 2008-04-28 23:08:54 UTC
From: SV1BSX
Topic: 1416 Message: 1416

Hi all,

I heard also the Delfi-C3 strong enough at 19:37 Z. The pass was very good for my QTH, almost overhead.
However, is unable to decode the recorded audio-file by using the Rascal program.
I have put a small part of my recorded file here:

http://groups.yahoo.com/group/eu-amsat/files/Defli-c3/

I wonder why is not possible to decode it. Seems to be clear enough.

Luc, have you any recorded audio from your reception? I would like to test
your file on my PC.

Finally, many thanks to Delfi-Team for the new Satellite !

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1417. Delfi-C3 Team Picture

Yahoo group: eu-amsat
Date: 2008-04-29 07:12:03 UTC
From: Trevor
Topic: 1417 Message: 1417

A picture of some of the Delfi-C3 team can be seen at

http://www.southgatearc.org/news/april2008/gw1fky.htm

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1418. Re: Delfi_C3 life

Yahoo group: eu-amsat
Date: 2008-04-29 08:30:28 UTC
From: Luc Leblanc
Topic: 1418 Message: 1418

Hi

In a chat session yesterday about DELFI C 3 with Jean-Pierre VE2AHD we are questioning ourselves about the mission length. As per the
mission web site (see below) even if the satellite should stay in space for "several decade" the mission lifetime is planned for +- 1 year.

As no batteries are in the satellite what will prevent the mission to go where no man has gone before... oups! to go well over the expected
one year period? Components failure? this will most likely be the main reason for a limited time frame life expectation?

As a cute girl cannot give what she don't have i think there is nothing who will prevent DELFI C3 to live for several years aside of a
component failure or a shut down command given from earth. She seems to be made strong but it is an external evaluation...

>
> How long will the Delfi-C3 be in orbit?
> The drawback of the altitude at which the satellite will fly is the decay of the orbit. Due to atmospheric drag the satellite will lose energy, and thus altitude.
> For Delfi-C3 this means that it will stay in orbit for several decades. The Delfi-C3 mission has been developed around a mission lifetime of one year.
>

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1419. Re: [eu-amsat] Delfi-C3 Heard @ 19:37Z on KM17UW

Yahoo group: eu-amsat
Date: 2008-04-29 09:38:07 UTC
From: Thomas Frey
Topic: 1416 Message: 1419

SV1BSX schrieb:
> Hi all,
Hi Mak

> I heard also the Delfi-C3 strong enough at 19:37 Z. The pass was very
> good for my QTH, almost overhead.
> However, is unable to decode the recorded audio-file by using the
> Rascal program.
> I have put a small part of my recorded file here:
> http://groups.yahoo.com/group/eu-amsat/files/Defli-c3/
> I wonder why is not possible to decode it. Seems to be clear enough.
The tone must be locked at, if I remember me right, 1600 Hz. If you
receive the tone loud and clear but not with 1600 Hz, then a decoding
is not possible.

> Luc, have you any recorded audio from your reception? I would like to test
> your file on my PC.
> Finally, many thanks to Delfi-Team for the new Satellite !
> 73 de Mak, SV1BSX
>

Mit freundlichen Gru"ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1420. DELFI C 3 no TX on first ENA pass

Yahoo group: eu-amsat
Date: 2008-04-29 14:29:26 UTC
From: Luc Leblanc
Topic: 1420 Message: 1420

On the 1347Z pass over eastern NA no data has been received a faint carrier but not too sure if it was coming from DELFI C 3

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1421. DELFI C 3 SILENT

Yahoo group: eu-amsat
Date: 2008-04-29 15:38:27 UTC
From: Luc Leblanc
Topic: 1421 Message: 1421

Hi

On the 1523Z North American pass DELFI C 3 was silent on both frequencies 145.930Mhz and 145.870Mhz!

Just hope he can be recovered.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1422. DELFIC3 Heard in KO84

Yahoo group: eu-amsat
Date: 2008-04-29 17:08:32 UTC
From: Igor
Topic: 1421 Message: 1422

```
Hello!
DelfiC3 was on the air at last pass over KO84 (1642-16.53). Signal
about S3, but no decode.
---
73! RW3XL
```

1423. Videos about the launch on Youtube

Yahoo group: eu-amsat
Date: 2008-04-30 09:04:58 UTC
From: Thomas Frey
Topic: 1423 Message: 1423

Hello All

The videos about the ISRO launch can be seen on Youtube:

http://youtube.com/watch?v=r0HiAJuOw_8
http://youtube.com/watch?v=Cn-Y0lcaCOo

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1424. DELFI C 3

Yahoo group: eu-amsat
Date: 2008-04-30 14:27:47 UTC
From: Luc Leblanc
Topic: 1424 Message: 1424

Nothing heard on the 1405Z south bound pass on 145.930 Mhz
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1425. DelfiC3

Yahoo group: eu-amsat
Date: 2008-04-30 16:44:29 UTC
From: Bratu Florian Gabriel
Topic: 1425 Message: 1425

Is enebody here DELFI?
I have lisen on two passes and i can't here enething.

1426. DELFIC3 Heard in KO84

Yahoo group: eu-amsat
Date: 2008-04-30 16:44:59 UTC
From: Igor
Topic: 1421 Message: 1426

Pass at 15.28UTC-15.35UTC was fine. RASCAL received many packets and decoded it. Elevation was not more than 5 deg.

73! Igor

1427. Re: DELFIC3 Heard in KO84

Yahoo group: eu-amsat
Date: 2008-04-30 17:21:06 UTC
From: Igor
Topic: 1421 Message: 1427

Pass at 17.00UTC-17.11UTC was fine also.

73! Igor

1428. Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

Yahoo group: eu-amsat
Date: 2008-04-30 17:33:19 UTC
From: Luc Leblanc
Topic: 1428 Message: 1428

On 30 Apr 2008 at 17:08, Wouter Jan Ubbels wrote:

> Hi all,
>
> we have added a section to our RASCAL tuning guide in order to make
> achieving sync in RASCAL easier, see
>

On all the morning pass DELFI C 3 remain silent over North eastern America. Did someone can confirm just in case i got something wrong
here.

Thank's

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1429. Re: [eu-amsat] Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

Yahoo group: eu-amsat
Date: 2008-04-30 19:52:30 UTC
From: SV1BSX
Topic: 1428 Message: 1429

Luc,

definitely there is nothing wrong with your gear. I noticed that, the Defli
was at 5 degr (just
a few mins after the AOS) where the signal was booming. I tried to decode
the TLM but after
1 min.... I totally lost the signal !
Nothing heard during the rest pass, till the LOS of Satellite .

Obviously the satellite's TLM sometimes is OFF.

73 de Mak, SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Wednesday, April 30, 2008 8:33 PM
Subject: [eu-amsat] Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

> On 30 Apr 2008 at 17:08, Wouter Jan Ubbels wrote:
>
>> Hi all,
>>
>> we have added a section to our RASCAL tuning guide in order to make
>> achieving sync in RASCAL easier, see
>>
>
> On all the morning pass DELFI C 3 remain silent over North eastern
> America. Did someone can confirm just in case i got something wrong
> here.
>
> Thank's
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links

>
>
>

1430. Re: [eu-amsat] Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

Yahoo group: eu-amsat
Date: 2008-04-30 20:53:57 UTC
From: Luc Leblanc
Topic: 1428 Message: 1430

On 30 Apr 2008 at 22:52, SV1BSX wrote:

> Luc,
>
> definitely there is nothing wrong with your gear. I noticed that, the Defli
> was at 5 degr (just
> a few mins after the AOS) where the signal was booming. I tried to decode
> the TLM but after
> 1 min.... I totally lost the signal !
> Nothing heard during the rest pass, till the LOS of Satellite .
>
> Obviously the satellite's TLM sometimes is OFF.
>
> 73 de Mak, SV1BSX
>

The KEPS i used are from spacetrack i know someone recommend to take those who appears on the ops DELFI page. If its only a KEPS matter
they should be quite far from the real orbit or something is moving in a funny way up there.

I will try to listen sooner on the evening pass over here

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1431. DELFI-C3 New-Kepls

Yahoo group: eu-amsat
Date: 2008-04-30 23:36:12 UTC
From: SV1BSX
Topic: 1431 Message: 1431

```
Delfi-C3
1 32787U 08021E 08121.22875607 .00000324 00000-0 48264-4 0 131
2 32787 97.9932 181.2525 0014422 294.5581 65.4118 14.81396579 300
```

1432. Re: [eu-amsat] Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

Yahoo group: eu-amsat
Date: 2008-04-30 23:44:19 UTC
From: SV1BSX
Topic: 1428 Message: 1432

```
>
> The KEPS i used are from spacetrack i know someone recommend to take those
> who appears on the ops DELFI page. If its only a KEPS matter
> they should be quite far from the real orbit or something is moving in a
> funny way up there.
>
> I will try to listen sooner on the evening pass over here
>
>
>
> Luc Leblanc VE2DWE
```

....CORRECT Luc ! Probably that is the point. The Keps form Delfi-page is now with... 10 min's delay !!!

I have sent a new file with Keps, where the Delfi is ...10 mins ahead from previous Kepls!

He sent it me a friend of mine and he said it's 100% accurate.

I will try it also with these new Kepls today afternoon.

73, Mak SV1BSX

```
>> Luc,
>>
>> definitely there is nothing wrong with your gear. I noticed that, the
>> Defli
>> was at 5 degr ( just
>> a few mins after the AOS) where the signal was booming. I tried to decode
>> the TLM but after
>> 1 min.... I totally lost the signal !
>> Nothing heard during the rest pass, till the LOS of Satellite .
>>
>> Obviously the satellite's TLM sometimes is OFF.
>>
>> 73 de Mak, SV1BSX
>>
```

1433. Re: [eu-amsat] Re: [amsat-bb] Delfi-C3 RASCAL tuning & TLE's

Yahoo group: eu-amsat
Date: 2008-05-01 01:36:01 UTC
From: Luc Leblanc
Topic: 1428 Message: 1433

On 1 May 2008 at 2:44, SV1BSX wrote:

>
>
> >
> > The KEPS i used are from spacetrack i know someone recommend to take those
> > who appears on the ops DELFI page. If its only a KEPS matter
> > they should be quite far from the real orbit or something is moving in a
> > funny way up there.
> >
> > I will try to listen sooner on the evening pass over here
> >
> >
> >
> > Luc Leblanc VE2DWE
>
>
> ....CORRECT Luc ! Probably that is the point. The Keps form Delfi-page is
> now with... 10 min's delay !!!
>
> I have sent a new file with Keps, where the Delfi is ...10 mins ahead from
> previous Kepls!
>
> He sent it me a friend of mine and he said it's 100% accurate.
>
> I will try it also with these new Kepls today afternoon.

I refresh my Orbitron KEPS Mak and i just hear DELFI C 3 very loud but there is another problem who come out. The audio was very unstable
the tone frequencies where not stable and some distortion seems to appears during the data transmissions making RASCALS completely unable
to decode even a single packet.

Theses tones distortions gradually increased up to a point the transmitter shuts down. The tone pointer on RASCALS was moving wild
smashing both side limit of the scale and it was not what i got the first time i decoded my first packets.

Why the tone frequencies are no more stable even with doppler correction remain a mystery but surely the control team will come up with
some explanations as they seems to be aware of this behaviour.

End of the story and a night to speculate on the subject!

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1434. DELFI c3 KEPS OK

Yahoo group: eu-amsat
Date: 2008-05-01 03:22:03 UTC
From: Luc Leblanc
Topic: 1434 Message: 1434

"-"
kEPS are OK at the second the TX start transmitting with less distortion. After 30 seconds "near one minute" the TX shutt down again for a
brief moment and to resume back again transmitting with a bit more distortion.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1435. DELFI C 3

Yahoo group: eu-amsat
Date: 2008-05-01 16:44:46 UTC
From: Luc Leblanc
Topic: 1424 Message: 1435

The 0400Z pass was all OK even if it was a low one 20 packet decoded and DELFI was in full illumination since 0342Z a good 15 minutes
before the pass and everything seems normal. I guess the problems appears just went the satellite is emerging from eclipse and that the
power is just starting to flow in.

I will try to recheck in the evening pass if i got the same results as yesterday evening.

At the end of the pass another carrier with doppler appear i try to check who was the culprit but VO-52 who is on a similar orbit was on
the other side of the earth. I run a simulation on all the other active satellite around 0400Z to see which one will be the best candidate
but none of them was in range!!! Another phantom of the opera signal? I just hope one of the other 8 cubes does not also share the same
downlink frequency!
"-"

Luc Leblanc

1436. Quantum Physics.

Yahoo group: eu-amsat
Date: 2008-05-01 17:57:33 UTC
From: John Hackett
Topic: 1436 Message: 1436

(A personal opinion).

It's rather disconcerting to see that the squabbling about Delfi-C3 keps on the Amsat-bb has now 'progressed' to the EU-Amsat reflector.

I agree with GM1SXX, there are probably several amateurs decoding the 'noise' generated by the next-door-neighbour's vacuum cleaner.

In protest, my radios havn't been switched on all week ... stamp collecting here I come!.

73 John. <la2qaa@...>

1437. Memristor??

Yahoo group: eu-amsat
Date: 2008-05-02 01:12:09 UTC
From: Luc Leblanc
Topic: 1437 Message: 1437

Could be an incredible breakthrough who will help the new HEO construction and design pushing towards a battery/solar cell free satellite.

Here is the text

Hardware HP Invents Fabled Memristor, New Class of Electrical Components

---

The researchers formed memristors by crossing platinum nanowires with another wire, with a thin dab of titanium dioxide at the junction. Each wire is a seperate memristor, yielding 17 memristors, each 50 nm (150 atoms appr.) wide. The memristor remembers even after powered off. (Source: J. J. Yang, HP Labs.)
New discrete component from HP joins the ranks of the resistor, capacitor and inductor as the fourth major circuit element

Yesterday Hewlett-Packard (HP), best known as a leading personal computer manufacturer, announced what may be one of the most significant electronics breakthroughs of the decade. Researchers at HP Labs, the central research center for the company, confirmed the existence of the previously theorized fourth fundamental circuit element of electrical engineering.

The new component is called the "memristor" -- a word blend of "memory" and "resistor". The physical working model and the mathematical model of the component were presented side by side in a paper in the journal Nature, yesterday. Four researchers at the lab, led by R. Stanley Williams, presented the device which retains the history of information passed to it.

The device could make for computers that need no boot-up, never forget, use less power, and associate memories much like the human mind. Such possibilities were long considered the realm of science fiction. The realization of the device was 37 years in the making, and many had come to think it would never be created.

The component was initially theorized and named by Leon Chua, a distinguished faculty member in the Electrical Engineering and Computer Sciences Department of the University of California at Berkeley, in 1971. Chua's paper argued that the new component was a fundamental fourth element of electronics with unique properties which the other elements did not have.

By leveraging experience in nanoelectronics, Williams was finally able to realize Chua's creation, over three decades later. Williams was ecstatic about the success. He stated, "To find something new and yet so fundamental in the mature field of electrical engineering is a big surprise, and one that has significant implications for the future of computer science. By providing a mathematical model for the physics of a memristor, HP Labs has made it possible for engineers to develop

integrated circuit designs that could dramatically improve the performance and energy efficiency of PCs and data centers."

The device could eventually make dynamic random access memory (DRAM) obsolete. In current systems, active computers store data in DRAM, but must shuffle the

information to and from a magnetic hard disk or a flash drive, nonvolatile forms of memory. Furthermore, when the computer is turned on, the DRAM must be initially loaded from the magnetic memory. These processes consume both time and energy, slowing computing and raising the energy and heat envelopes of systems.

A memristor would need no boot up as its data would be exactly how it was previously left. Data could theoretically be read and wrote directly to and from memristors, eliminating the need for hard drives, except possibly for backup storage.

With the advent of "cloud computing" -- the transition of data storage to the online world this device becomes even more valuable and timely. The IT infrastructure that's growing to support cloud computing uses thousands of systems, multiplying the energy costs of ram usage exponentially. The new component could dramatically reduce the power, and thus the expense of such systems, as well as helping to protect user data and reducing load times.

One key problem to data centers has always been the possibility of a power loss. The memristor essentially would take away the problem, as barring complete circuit destruction; the data would survive a power outage. The type of memory also offers the possibility of continuously learning and adapting systems, similar to the human brain. Such systems could be used in facial recognition technology, as well as in enabling advanced biometric security and privacy features.

Williams is no stranger to innovation -- he founded HP Labs´ Information and Quantum Systems Lab and has been its director ever since. The lab strives to develop advances in the realms of mathematics and physical science useful to computing. The lab has logged many advances in nanoelectronics and nanophotonics, but the memristor may well go down in history as its most significant contribution.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1438. Re: DELFIC3 Heard in KO84

Yahoo group: eu-amsat
Date: 2008-05-02 06:57:00 UTC
From: Igor
Topic: 1421 Message: 1438

```
Hello!
2 may 2008, time 0636-0641utc, signal fine!
---
73! de RW3XL
```

1439. DELFI C 3

Yahoo group: eu-amsat
Date: 2008-05-02 16:03:17 UTC
From: Luc Leblanc
Topic: 1424 Message: 1439

Nothing has been heard from DELFI C 3 at 1441Z overhead pass.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1440. Vacuum cleaners.

Yahoo group: eu-amsat
Date: 2008-05-02 17:41:13 UTC
From: John Hackett
Topic: 1440 Message: 1440

Hello Al,
The station who copied the telemetry from CanX-2 must be feeling a bit foolish today since the Canadian control station informed the Amsat-bb that the transmitter hasn't been switched on yet.

Likewise, the gentleman copying tlm from a satellite that has deorbited ... nice! one.

The neighbour's noisy vacuum cleaner again ?.

Perhaps it would be an idea for those gentlemen to listen to what a packet tlm frame or ten actually sounds like ??.

PRACTICAL RADIO AMATEUR EXPERIMENT.

If you havn't tried this yet, I can assure you, MixW2 does an *EXCELLENT* job of copying CW from an unsquelched scanner.

The only *SLIGHT* fly in the ointment is that the decoded CW isn't in English !!!!! ... (plus there are a few prosigns that don't belong in the Admiralty's international morse handbook.

... and before anyone turns on the flame thrower ... yes !!!, the last sentence *is* 'tongue-in-cheek'.

Do NOT take this as a reflection on Nick's EXCELLENT program. I used to talk to him daily using his very first RTTY offering on the Commodore 64 !!! - and can assure everybody that 'Old Nick' is a very smart cookie indeed!.

73 John. <la2qaa@...>

1441. Time delay?.

Yahoo group: eu-amsat
Date: 2008-05-02 17:50:00 UTC
From: John Hackett
Topic: 1441 Message: 1441

Interestingly, today, the AMSAT main page proclaims the AO-51 schedule from 31 March to the 30th of April.

Err ... Gents ... in Europe today is the second of May.

73 John.

1442. Delfi-C3 "Swtched-ON" @ 2-5-2008 / 19:15 Z

Yahoo group: eu-amsat
Date: 2008-05-02 20:19:06 UTC
From: SV1BSX
Topic: 1442 Message: 1442

Hi,

I was montoring the last pass, when the Delfi-C3 passed from the "Dark"
in the "Light".

Well, Delfi-C3 was activated precisely afterwards the end of Eclipse
@ ~19:15Z /145.930 MHz !

73, Mak SV1BSX

PS: sorry, no TLM recorded (for me, Rascal is still difficult to manipulate
it !)

----- Original Message -----
From: "Kostas Ioannidis" <kostas.ioannidis@...>
To: <amsat-bb@...>
Sent: Friday, May 02, 2008 1:45 PM
Subject: [amsat-bb] C3 heard at km17vx at 2-5-2008 8:20 utc

> C3 heard at km17vx at 2-5-2008 8:20 utc sending tlm at 145.930. 220
> packets uploaded to the server.
>
> 73 de sw1ixp
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

1443. Re: [amsat-bb] SEEDS Digi-talker and SSTV success

Yahoo group: eu-amsat
Date: 2008-05-02 21:23:45 UTC
From: Luc Leblanc
Topic: 1443 Message: 1443

On 3 May 2008 at 0:26, Masahiro Arai wrote:

>
> SEEDS team turned on Digi-talker and SSTV at 1103z-1115z and 1239z-
> 1251z 2nd May. Her voice was very clear. I also decoded SSTV picture.
> The picture is noisy but nice Japanese scenery is showed up.
> I'll put them on my web site if I got permission form SEEDS team.
>
> Congratulations SEEDS team!
>
> 73
>
> Masa JN1GKZ

I was tempted to do the same but they have a special QSL card for those who received the exact voice message or the real SSTV pictures..
I'm not too sure as the SUITSAT experiment this will be a big help for them for their validating system...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1444. FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 10:54:02 UTC
From: John Hackett
Topic: 1444 Message: 1444
Attachments: 1 described; binary payloads are missing from this source WARC

From: la2qaa@...
To: archie.hackett@...
Subject: FW: Rotor controllers.
Date: Sat, 3 May 2008 12:49:47 +0200

From: la2qaa@...
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
Subject: Rotor controllers.
Date: Sat, 3 May 2008 12:47:40 +0200

Hello folks,
Granted, the Fodtrack interface is simple - but here's an even simpler one ... (see attached circuit diagram).

It works with NOVA's Yaesu GS-232A interface.

I've been using this for donkey's years ...

(That's 'Manchester for ... "before the cows came home").

73 John <la2qaa@amsat.org>

Homepage: <http://www.observations.biz>

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1445. Re: [eu-amsat] FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 11:38:50 UTC
From: SV1BSX
Topic: 1444 Message: 1445

Hello John,

seems to be a simple & nice stuff... however the PICs are "programmable" chips...
can you send to us the "program" ?

73, Mak

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Saturday, May 03, 2008 1:54 PM
Subject: [eu-amsat] FW: Rotor controllers.

From: la2qaa@...
To: archie.hackett@...
Subject: FW: Rotor controllers.
Date: Sat, 3 May 2008 12:49:47 +0200

From: la2qaa@...
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
Subject: Rotor controllers.
Date: Sat, 3 May 2008 12:47:40 +0200

Hello folks,
Granted, the Fodtrack interface is simple - but here's an even simpler one ... (see attached circuit diagram).

It works with NOVA's Yaesu GS-232A interface.

I've been using this for donkey's years ...

(That's 'Manchester for ... "before the cows came home").

73 John <la2qaa@...>

Homepage: <http://www.observations.biz>

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1446. SEEDS reception

Yahoo group: eu-amsat
Date: 2008-05-03 13:48:49 UTC
From: Luc Leblanc
Topic: 1446 Message: 1446

SEEDS was still in CW this morning pass 1426Z no SSTV was active

jq1ygu seeds
g400444d80d3affe0dcb1f0ef279eeheeem0caa38980a7{----..}ttaer110000000010001000115ac173734

jq1ygu seeds g4nieettttt4510fd3affe0a0f050272b87cb10ba2596cetneeeeeeeeet9c110000000100018t
attm0115ad173734

jq1ygu seeds g4øi04454eteeetesffe07b9db92etttø901b2attn9a1095ca59a8b1

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1447. Re: [eu-amsat] SEEDS reception

Yahoo group: eu-amsat
Date: 2008-05-03 14:32:38 UTC
From: Luc Leblanc
Topic: 1446 Message: 1447

>
> SEEDS was still in CW this morning pass 1426Z no SSTV was active

I got some answers from the SEEDS website i am not too sure if they switched it back to CW bu that's what i copy here

Category: Operation Report
05/03: 6th pass flash report 2008/05/03
Time: 22:57(GMT+9)
Author: seeds master

We checked the batteries voltage at first, And we tried to receive downlink the data which got right after deployment from XPOD. But we
couldn't send uplink command, switched to digi-talker Mode.
We finished digi-talker Mode during this pass at nihon university ground station.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1448. PIC rotor control program.

Yahoo group: eu-amsat
Date: 2008-05-03 14:50:50 UTC
From: John Hackett
Topic: 1444 Message: 1448

Rgr! Mak,
Of course, I should have mentioned it ... GM1SXX programmed the PIC for me. I'm sure an e-mail to Al will get you the program.

The controller works perfectly with NOVA and my home brew rotors
(see Observations from Norway, you have the link to our website).

I've tried original Yaesu, Win Prarie, Fodtrack and several other controllers. The PIC controller is the easiest. Mine is still on the breadboard I built it on a couple of years ago.

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@yahoo.gr
Date: Sat, 3 May 2008 14:38:50 +0300
Subject: Re: [eu-amsat] FW: Rotor controllers.

Hello John,

seems to be a simple & nice stuff...
however the PICs are "programmable" chips...
can you send to us the
"program" ?

73, Mak

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Saturday, May 03, 2008 1:54
PM
Subject: [eu-amsat] FW: Rotor
controllers.

From: la2qaa@...
To: archie.hackett@...
Subject:
FW: Rotor controllers.
Date: Sat, 3 May 2008 12:49:47 +0200

From: la2qaa@hotmail.com
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
Subject:
Rotor controllers.

Date: Sat, 3 May 2008 12:47:40 +0200

Hello
folks,

Granted, the Fodtrack interface is simple - but here's an even simpler one
... (see attached circuit diagram).

It works with NOVA's Yaesu
GS-232A interface.

I've been using this for donkey's years ....

(That's 'Manchester for ... "before the cows came
home").

73 John
<la2qaa@...>

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<http://www.observations.biz>

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1449. Units of time.

Yahoo group: eu-amsat
Date: 2008-05-03 14:55:25 UTC
From: John Hackett
Topic: 1449 Message: 1449

For those not understanding the La2qaa units of time ...

Donkey's years = a very long time.

Till the cows come home = indefinately (also 'forever')

Yonks = ages ... (a very long time x 2)

73 John. <la2qaa@amsat.org>

1450. Re: [eu-amsat] FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 15:04:25 UTC
From: Thomas Frey
Topic: 1444 Message: 1450

John Hackett schrieb:
>
>
> ----------
> From: la2qaa@...
> To: archie.hackett@...
> Subject: FW: Rotor controllers.
> Date: Sat, 3 May 2008 12:49:47 +0200
>
>
>
> ----------
> From: la2qaa@...
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
> Subject: Rotor controllers.
> Date: Sat, 3 May 2008 12:47:40 +0200
>
> Hello folks,
> Granted, the Fodtrack interface is simple -
> but here's an even simpler one ... (see attached circuit diagram).
>
> It works with NOVA's Yaesu GS-232A interface.
>
> I've been using this for donkey's years ...
>
> (That's 'Manchester for ... "before the cows came home").
>
> 73 John <la2qaa@...>
>
> Homepage: <http://www.observations.biz>
>
> ----------
>

Hello John

This is a very interesting and simple interface. Have you such PIC's
on stock ? I think around a kit to publish.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1451. RE: [eu-amsat] FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 15:26:21 UTC
From: John Hackett
Topic: 1444 Message: 1451

Hello Thomas,
Regarding the PIC16F877 configured as a rotor controller.

Al, GM1SXX sent mine to me a couple of years ago, he also programmed it for me.

As well as being an IT engineer and co-author of our 'Observations' website Al 'dabbles' with various projects that use PIC technology.

I really don't know if Al has any more of these particular chips in stock but I'm sure an e-mail to <allan_gm1sxx@...> will get you a speedy reply.

NB.

Mak also showed interest in this project.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Sat, 3 May 2008 17:04:25 +0200
Subject: Re: [eu-amsat] FW: Rotor controllers.

John Hackett schrieb:

>

>

> ---

> From: la2qaa@...

> To: archie.hackett@...

> Subject: FW: Rotor controllers.

> Date: Sat, 3 May 2008 12:49:47 +0200

>

>

>

> ---

> From: la2qaa@...

> To: amsat-bb@...

> CC: eu-amsat@yahoogroups.com

> Subject: Rotor controllers.

> Date: Sat, 3 May 2008 12:47:40 +0200

>

> Hello folks,

> Granted, the Fodtrack interface is simple -

> but here's an even simpler one ... (see attached circuit diagram).

>

> It works with NOVA's Yaesu GS-232A interface.

>

> I've been using this for donkey's years ...

>

> (That's 'Manchester for ... "before the cows came home").

>

> 73 John <la2qaa@amsat.org>

>

> Homepage: <http://www.observations.biz>

>

> ----------

>

Hello John

This is a very interesting and simple interface. Have you such PIC's

on stock ? I think around a kit to publish.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1452. Re: [eu-amsat] FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 16:45:21 UTC
From: SV1BSX
Topic: 1444 Message: 1452

```
----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Sent: Saturday, May 03, 2008 6:26 PM
Subject: RE: [eu-amsat] FW: Rotor controllers.

Hello Thomas,
Regarding the PIC16F877 configured as a rotor controller.

Al, GM1SXX sent mine to me a couple of years ago, he also programmed it for me.

As well as being an IT engineer and co-author of our 'Observations' website Al 'dabbles'
with various projects that use PIC technology.

I really don't know if Al has any more of these particular chips in stock but I'm sure an
e-mail to <allan_gm1sxx@...> will get you a speedy reply.

NB.

Mak also showed interest in this project.

73 John. <la2qaa@...>

--------------------------------------------------------------------------------
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 3 May 2008 17:04:25 +0200
Subject: Re: [eu-amsat] FW: Rotor controllers.

John Hackett schrieb:
>
>
> ----------------------------------------------------------
> From: la2qaa@...
> To: archie.hackett@...
> Subject: FW: Rotor controllers.
> Date: Sat, 3 May 2008 12:49:47 +0200
>
>
>
> ----------------------------------------------------------
> From: la2qaa@...
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
> Subject: Rotor controllers.
> Date: Sat, 3 May 2008 12:47:40 +0200
```

>
> Hello folks,
> Granted, the Fodtrack interface is simple -
> but here's an even simpler one ... (see attached circuit diagram).
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> It works with NOVA's Yaesu GS-232A interface.
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> I've been using this for donkey's years ...
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> 73 John <la2qaa@amsat.org>
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> Homepage: <http://www.observations.biz>
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Mit freundlichen Gróssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1453. RE: [eu-amsat] FW: Rotor controllers.

Yahoo group: eu-amsat
Date: 2008-05-03 17:34:25 UTC
From: John Hackett
Topic: 1444 Message: 1453

Gents,
I received a blank message at 18:26 ... containing only previous messages ... ???.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 3 May 2008 19:45:21 +0300
Subject: Re: [eu-amsat] FW: Rotor controllers.

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Sent: Saturday, May 03, 2008 6:26
PM
Subject: RE: [eu-amsat] FW: Rotor
controllers.

Hello
Thomas,

Regarding the PIC16F877 configured as a rotor controller.

Al, GM1SXX
sent mine to me a couple of years ago, he also programmed it for me.

As
well as being an IT engineer and co-author of our 'Observations' website Al
'dabbles' with various projects that use PIC technology.

I really don't
know if Al has any more of these particular chips in stock but I'm sure an
e-mail to <allan_gm1sxx@hotmail.com> will
get you a speedy reply.

NB.

Mak also showed interest in this
project.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 3 May
2008 17:04:25 +0200

Subject: Re: [eu-amsat] FW: Rotor
controllers.

John Hackett schrieb:
>
>
>

>
From: la2qaa@...
> To: archie.hackett@...
>
Subject: FW: Rotor controllers.
> Date: Sat, 3 May 2008 12:49:47
+0200
>
>
>
>

>
From: la2qaa@...
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
>
Subject: Rotor controllers.
> Date: Sat, 3 May 2008 12:47:40
+0200
>
> Hello folks,
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is simple -
> but here's an even simpler one ... (see attached circuit
diagram).
>
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interface.
>
> I've been using this for donkey's years
...
>
> (That's 'Manchester for ... "before the cows came
home").
>
> 73 John <la2qaa@amsat.org>
>
>
Homepage: <http://www.observations.biz>
>
>

>

Hello
John

This is a very interesting and simple interface. Have you such PIC's
on stock ? I think around a kit to publish.

Mit freundlichen
Grössen, Regards, 73
Thomas Frey,
HB9SKA

Thomas
Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1454. AO-7 passband, CW & SSB segments

Yahoo group: eu-amsat
Date: 2008-05-03 17:46:07 UTC
From: SV1BSX
Topic: 1454 Message: 1454

Hello,

the last weeks I noticed that there are 2-3 stations where they like to work over other... CW stations !
Probably they are deaf, or they are completely ignoramus about Morse-code.

Ok, no problem if they don't like the CW. It is a personal stance that and I can accept it.

But, till now the SSB-ers they used the segment between 145.945 - 145.960.
The CW-ers the segment around of 145.940 (145.935-145-944). So, the QRM was
minimum and rare between SSB-ers & CW-ers.

The only exception for CW-ers in order to be able to use the Middle-PassBand (145.950) is JUST in case
where someone looking for a Long-Distance DX, JUST close to AOS & LOS, JUST for calling CQ.
And JUST in case which the Satellite is without users.

Please Gentlemen, just keep that in your mind.

Keep your TX below of 145.945 if you like the CW, or above 145.945 if you want SBB.

Thus, all we will be more Happy.

And the "Grand Old Lady" too.

Have a nice weekend

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1455. RE: [eu-amsat] AO-7 passband, CW & SSB segments

Yahoo group: eu-amsat
Date: 2008-05-03 18:15:23 UTC
From: John Hackett
Topic: 1454 Message: 1455

Correct !!!! Mak,
... and please Gent's, do remember AO-7 is an INVERTING transponder in mode-B ... so let's try to teach the newcomers to tune in the right direction.

Just lately I've been QRM'med quite severely, despite receiving good signal reports ... full duplex ?? ... what on earth !!! is full duplex??.

(If you don't understand this concept, please return to 80m).

Seriously, 'half' duplex might have a place on AO-51 but it DOESN'T belong on a LINEAR transponder.

73 John. <la2qaa@amsat.org

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 3 May 2008 20:46:07 +0300
Subject: [eu-amsat] AO-7 passband, CW & SSB segments

Hello,

the last weeks I noticed that there are 2-3
stations where they like to work over other... CW stations !
Probably they are deaf, or they are completely ignoramus about
Morse-code.

Ok, no problem if they don't like the CW. It is
a personal stance that and I can accept it.

But, till now the SSB-ers they used
the segment between 145.945 - 145.960.
The CW-ers the segment around of 145.940
(145.935-145-944). So, the QRM was
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And the "Grand Old Lady" too.

Have a nice weekend

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Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

1456. Re: [eu-amsat] AO-7 passband, CW & SSB segments

Yahoo group: eu-amsat
Date: 2008-05-03 18:39:31 UTC
From: SV1BSX
Topic: 1454 Message: 1456

....just now I gave-up the Satellite !

From AOS till now, a very *GENTLY guy* tunes and calling HOLLAAAAAAAAAAAAAAA
on 145.940 !!! For about 4-5 minutes !!!!!!

There are 3-4 stations on CW, but I copied only the F3ZD. It was impossible to copy
another German-station (DL2?H??) due to extremely strong FM-ing from SSB.

Sorry Gentlemen, but we must to keep the "Grand Old Lady" clear and healthy.
Otherwise, another ZOO like the AO-51 seems to be born from the bad use
of Satellite.

Hmmm.... it's too sad if we leave 2-3 bad users to make this wonderful Sat another "ZOO in
Space".

Just my 2 cents...

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Saturday, May 03, 2008 9:15 PM
Subject: RE: [eu-amsat] AO-7 passband, CW & SSB segments

Correct !!!! Mak,
... and please Gent's, do remember AO-7 is an INVERTING transponder in mode-B ... so let's
try to teach the newcomers to tune in the right direction.

Just lately I've been QRM'med quite severely, despite receiving good signal reports ...
full duplex ?? ... what on earth !!! is full duplex??.

(If you don't understand this concept, please return to 80m).

Seriously, 'half' duplex might have a place on AO-51 but it DOESN'T belong on a LINEAR
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To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 3 May 2008 20:46:07 +0300
Subject: [eu-amsat] AO-7 passband, CW & SSB segments

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And the "Grand Old Lady" too.

Have a nice weekend

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

1457. RE: [eu-amsat] AO-7 passband, CW & SSB segments

Yahoo group: eu-amsat
Date: 2008-05-03 23:16:36 UTC
From: John Hackett
Topic: 1454 Message: 1457

Hi Mak,
Now you know why my callsign has not been heard on AO-7 for the last 7 days.

ISince 2002 've tried appealing to the national society magazine editors to publish "satellite operating proceedure" in their magazines ... to no avail ... you'd think it was in their interest to do so ... though operating proceedure *IS* on the AO-7 Resource Page ... but who reads !!!! what is written there.

I fear the standard has dropped dramatically this last 2 years and IMHO the FM "free-for-all" must take it's share of the blame ... especially since you can walk into any supermarket these days and get a free amateur license with your bag of potatoes.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 3 May 2008 21:39:31 +0300
Subject: Re: [eu-amsat] AO-7 passband, CW & SSB segments

...just now I gave-up the Satellite !

From AOS till now, a very *GENTLY guy* tunes
and calling HOLLAAAAAAAAAAAAAAA
on 145.940 !!! For about 4-5 minutes
!!!!!!

There are 3-4 stations on CW, but I copied only the
F3ZD. It was impossible to copy
another German-station (DL2?H??) due to extremely strong
FM-ing from SSB.

Sorry Gentlemen, but we must to keep the "Grand Old
Lady" clear and healthy.
Otherwise, another ZOO like the AO-51 seems to be born
from the bad use
of Satellite.

Hmmm.... it's too sad if we leave 2-3 bad users to
make this wonderful Sat another "ZOO in Space".

Just my 2 cents...

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com

Sent: Saturday, May 03, 2008 9:15
PM
Subject: RE: [eu-amsat] AO-7 passband, CW
& SSB segments

Correct !!!!
Mak,

... and please Gent's, do remember AO-7 is an INVERTING transponder in mode-B
... so let's try to teach the newcomers to tune in the right
direction.

Just lately I've been QRM'med quite severely, despite
receiving good signal reports ... full duplex ?? ... what on earth !!! is full
duplex??.

(If you don't understand this concept, please return to
80m).

Seriously, 'half' duplex might have a place on AO-51 but it
DOESN'T belong on a LINEAR transponder.

73 John.
<la2qaa@...

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Sat, 3 May
2008 20:46:07 +0300
Subject: [eu-amsat] AO-7 passband, CW & SSB
segments

Hello,

the last weeks I noticed that there are 2-3
stations where they like to work over other... CW stations !
Probably they are deaf, or they are completely ignoramus
about Morse-code.

Ok, no problem if they don't like the CW. It is
a personal stance that and I can accept it.

But, till now the SSB-ers they used the segment between 145.945 - 145.960.
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(145.935-145-944). So, the QRM was
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The only exception for CW-ers in order to be able to
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Keep your TX below of 145.945 if you like the CW, or
above 145.945 if you want SBB.

Thus, all we will be more Happy.

And the "Grand Old Lady" too.

Have a nice weekend

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ...gr
URL :
http://sv1bsx.50webs.com

1458. Re: Service manual for NOA-1200 needed

Yahoo group: eu-amsat
Date: 2008-05-04 12:56:21 UTC
From: Igor
Topic: 1378 Message: 1458

At me is such transerter, but someone has altered a circuit of the generator. It's a Japanese old transverter. There is a scheme or service-manual? I thank!

73! de Igor, RW3XL

1459. Rotator control interfaces

Yahoo group: eu-amsat
Date: 2008-05-04 13:08:12 UTC
From: g0wxj
Topic: 1459 Message: 1459

Hi all,

We are about to take delivery of our sat antenna's, 6 weeks late but they are coming. We have a Yaesu 5500 az/el rotator and are now considering the interface we'll need for control. We use Nova for the prediction and pass info an we came across the Foxdelta ST3 interface.

Has anyone any experience with this kit?
http://www.foxdelta.com/products/st3.htm

Initially it looks like an adequate bit of equipment, but would be nice to hear from some actual users.

Cheers

Pete G0WXJ
www.wraa.co.uk

1460. SEEDS she's talking and more

Yahoo group: eu-amsat
Date: 2008-05-04 14:20:02 UTC
From: Luc Leblanc
Topic: 1460 Message: 1460

SEEDS is in digi/talker/SSTV mode over eastern NA the voice makes's me remember some old submarine WW 2 film where the radio man listen
"The Tokyo Rose" broadcast. Nice recording with an FM signal peaking at S8 at TCA 18 degrees elevation. SSTV is also good but as usual i
will have to fiddle with the slant correction parameters. This MMSTV version i got seems to have an auto slant correction algorythm but as
usual i found that at LOS... :(

I will check for the next pass over here at 0320Z it will be an higher one.

P.S. If someone is fluent in japanease what HARU HARU HARU means? could be (haro haro haro too)
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1461. Rotor control.

Yahoo group: eu-amsat
Date: 2008-05-04 15:25:09 UTC
From: John Hackett
Topic: 1461 Message: 1461

Hello Folks,
There were a couple of enquiries regarding the rotor control software for the 16F877A PIC controller I mentioned.

I have spoken to the other half - (that's the intelligent half) - of the LA2QAA/GM1SXX team and Al says that if you supply him with a blank 16F877A + postage ... he'll program your PIC for free.

Beat that ! for an offer.

If you're interested, give me a *SHOUT* and I'll send you Al's mailing address.

73 John. <la2qaa@amsat,org>

1462. Re: [amsat-bb] Receiving SEEDS

Yahoo group: eu-amsat
Date: 2008-05-04 16:23:53 UTC
From: Luc Leblanc
Topic: 1462 Message: 1462

On 4 May 2008 at 11:39, John Marranca, Jr wrote:

> Good Morning all...
>
> Just copied the 1530z pass of SEEDS over FN02. What a great satellite!
>
> The digitalker is very reminiscent of what DOVE was supposed to have
> been...and the SSTV picture is quite a bit of fun as well.
>
> Nice solid picture on that pass.
>
> Does anyone have any info on a possible homepage for SEEDS?
>
> John KB2HSH

Here is the link John

http://cubesat.aero.cst.nihon-u.ac.jp/english/index.html

I put my 2 first not too bad SSTV pictures on my web page taken from the morning pass. You can also hear a part of the digitalker audio
(without the special code...)

www.qsl.net/ve2dwe (optimized for IE)

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1463. Re: [eu-amsat] Rotor control.

Yahoo group: eu-amsat
Date: 2008-05-04 17:46:57 UTC
From: Thomas Frey
Topic: 1461 Message: 1463

John Hackett schrieb:
> Hello Folks,
> There were a couple of enquiries regarding the rotor
> control software for the 16F877A PIC controller I mentioned.
>
> I have spoken to the other half - (that's the intelligent half) - of
> the LA2QAA/GM1SXX team and Al says that if you supply him with a blank
> 16F877A + postage ... he'll program your PIC for free.
>

Hello John

There are 2 types of PICs. The PIC16F877A-I/L in PLCC 44 and the
PIC16F877A-I/P in DIP 40 case. The type in the DIP 40 case is more
favourable. I think, Al can program this type ?

> Beat that ! for an offer.
>
> If you're interested, give me a *SHOUT* and I'll send you Al's
> mailing address.

You have it: allan_gm1sxxNOSPAM@... (remove NOSPAM)

>
> 73 John. <la2qaa@amsat,org>

I'm wondering, why Al is not in our group ?

> ,_.____

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1464. SEEDS SSTV more pics

Yahoo group: eu-amsat
Date: 2008-05-05 03:18:52 UTC
From: Luc Leblanc
Topic: 1464 Message: 1464

At 0322Z May 05 i copy what i think will be the maximum SSTV quality achievable with my present setup. I uploaded them on my web page
www.qsl.net/ve2dwe.

Now i got this from the Masa about what the girl is saying. Here is what he wrote.

Luc,

It's English. She is calling ... Hello Hello Hello. Many JA not good
at L/R pronunciation. hihi.

Can you understand what she is saying before SSTV? She announces
special code. Can you chatch the special code? I guess it is herad to
catch it if it is clear condition. Her pronunciation is not good. hihi

73

Masa JN1GKZ

Masa is right i play-back the digital recorder about 10 times and i still working on it but i will break the code soon i got 89% of it
actually the missing 11% will be broken very soon...resistance is futile as the borg said.

P.S. I see now the background in the picture... the mount FUJII

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1465. Re: [eu-amsat] Rotor control.

Yahoo group: eu-amsat
Date: 2008-05-05 09:18:23 UTC
From: Thomas Frey
Topic: 1461 Message: 1465

Hello John and group

I answered my own questions after a Google-search. This rotor control
is the FODtrack controller. See at http://www.geocities.com/yyz228/

Thomas Frey schrieb:
> John Hackett schrieb:
>
>>
>> If you're interested, give me a *SHOUT* and I'll send you Al's
>> mailing address.
>>
>
> You have it: allan_gm1sxxNOSPAM@... (remove NOSPAM)
>
>

With this informations you can build your own controller.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1466. RE: [eu-amsat] Rotor control.

Yahoo group: eu-amsat
Date: 2008-05-05 11:54:11 UTC
From: John Hackett
Topic: 1461 Message: 1466

Yes, Thomas, the 40 pin package is fine ... and Al *IS* in the group (3) ... he started it together with Mak (1) and myself (2) as I wrote on the opening page of the group ... (It was Mak's original idea).

He Al and myself built it up.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 4 May 2008 19:46:57 +0200
Subject: Re: [eu-amsat] Rotor control.

John Hackett schrieb:

> Hello Folks,

> There were a couple of enquiries regarding the rotor

> control software for the 16F877A PIC controller I mentioned.

>

> I have spoken to the other half - (that's the intelligent half) - of

> the LA2QAA/GM1SXX team and Al says that if you supply him with a blank

> 16F877A + postage ... he'll program your PIC for free.

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Hello John

There are 2 types of PICs. The PIC16F877A-I/L in PLCC 44 and the

PIC16F877A-I/P in DIP 40 case. The type in the DIP 40 case is more

favourable. I think, Al can program this type ?

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> mailing address.

You have it: allan_gm1sxxNOSPAM@... (remove NOSPAM)

>

> 73 John. <la2qaa@amsat,org>

I'm wondering, why Al is not in our group ?

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Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1467. RE: [eu-amsat] Rotor control.

Yahoo group: eu-amsat
Date: 2008-05-05 11:57:59 UTC
From: John Hackett
Topic: 1461 Message: 1467

Hi Thomas,
I meant Al's postal address because he quite rightly requests "postage" and a chip if he is to program it for free.

Obviously, people can also request his post address directly from him should they prefer.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 5 May 2008 11:18:23 +0200
Subject: Re: [eu-amsat] Rotor control.

Hello John and group

I answered my own questions after a Google-search. This rotor control

is the FODtrack controller. See at http://www.geocities.com/yyz228/

Thomas Frey schrieb:

> John Hackett schrieb:

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> You have it: allan_gm1sxxNOSPAM@... (remove NOSPAM)

>

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With this informations you can build your own controller.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1468. FW: Happy Birthday HAMSAT !!!

Yahoo group: eu-amsat
Date: 2008-05-05 14:58:36 UTC
From: SV1BSX
Topic: 1468 Message: 1468

Happy Birthday HAMSAT

Wishing HAMSAT VO-52 a Very Happy Birthday and many more to come with good health and service to all Hams.

Its 3 years old and doing well.

Happy Hamsating

Best 73

Pop, VU2POP

Secy Amsat India

1469. Thomas.

Yahoo group: eu-amsat
Date: 2008-05-05 16:47:13 UTC
From: John Hackett
Topic: 1469 Message: 1469

Thomas,
Send me your private e-mail address and I'll reply with Al's Post address ... or you can of course contact him via via his e-mail address.

73 John. <la2qaa@...>

From: allan_gm1sxx@...
To: la2qaa@...
Subject: RE: [eu-amsat] Rotor control.
Date: Mon, 5 May 2008 14:14:46 +0000

Hi John,

If Thomas sends me his email address, I'll program and post a 40 pin DIL PIC (type 16F877A) to him gratis.

Al.

From: archie.hackett@...
To: eu-amsat@yahoogroups.com
CC: allan_gm1sxx@...
Subject: RE: [eu-amsat] Rotor control.
Date: Mon, 5 May 2008 13:54:11 +0200

Yes, Thomas, the 40 pin package is fine ... and Al *IS* in the group (3) ... he started it together with Mak (1) and myself (2) as I wrote on the opening page of the group ... (It was Mak's original idea).

He Al and myself built it up.

73 John. <la2qaa@...>

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Date: Sun, 4 May 2008 19:46:57 +0200
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John Hackett schrieb:

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Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

Get 5GB of online storage for free! Get it Now!

1470. Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-05 20:08:41 UTC
From: Thomas Frey
Topic: 1469 Message: 1470

John Hackett schrieb:
> Thomas,
> Send me your private e-mail address and I'll reply with
> Al's Post address ... or you can
> of course contact him via via his e-mail address.
>
> 73 John. <la2qaa@...>
>
> ---
>

Hello John, I found Al's address on QRZ.COM. Or is it not correct ?

To the controller: I have one who works properly. Its a self made for
2 KR-5400A's. It works with a voltage measuring board and a relais
board. I have also written my own satellite programs.

I'm thinking around an upgrade to an USB connection or a simpler
COM connection. For both ways the FODtrack interface would be a good
solution. This PICs are not urgent in the moment.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1471. FT847 vs Kenwood TS790E

Yahoo group: eu-amsat
Date: 2008-05-05 20:35:24 UTC
From: SW1JGW
Topic: 1471 Message: 1471

Dear friends.
I would like to ask your opinion for a comparison between yaesu FT847 and Kenwood TS790E. I am an onwer of FT847 and im thinking to replace it with a Kenwood TS790. So please help me
73 de sw1jgw

1472. RE: [eu-amsat] FT847 vs Kenwood TS790E

Yahoo group: eu-amsat
Date: 2008-05-05 21:01:35 UTC
From: Dimitrios Pallis
Topic: 1471 Message: 1472

i have to remind you that the only Usage is dedicated for SatellitesDP

To: eu-amsat@yahoogroups.comFrom: mc90606@...: Mon, 5 May 2008 20:35:24 +0000Subject: [eu-amsat] FT847 vs Kenwood TS790E

Dear friends.I would like to ask your opinion for a comparison between yaesu FT847 and Kenwood TS790E. I am an onwer of FT847 and im thinking to replace it with a Kenwood TS790. So please help me73 de sw1jgw

_____
Get Free (PRODUCT) RED™ Emoticons, Winks and Display Pics.
http://joinred.spaces.live.com?ocid=TXT_HMTG_prodredemoticons_052008

1473. Re: [eu-amsat] FT847 vs Kenwood TS790E

Yahoo group: eu-amsat
Date: 2008-05-05 22:22:59 UTC
From: Thomas Frey
Topic: 1471 Message: 1473

SW1JGW schrieb:
> Dear friends.
> I would like to ask your opinion for a comparison between yaesu FT847
> and Kenwood TS790E. I am an onwer of FT847 and im thinking to replace
> it with a Kenwood TS790. So please help me
> 73 de sw1jgw
>
>
>
I would not replace the FT-847 with an TS-790. But this is my personal
opinion.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1474. Re: [eu-amsat] FT847 vs Kenwood TS790E

Yahoo group: eu-amsat
Date: 2008-05-05 23:25:06 UTC
From: SV1BSX
Topic: 1471 Message: 1474

Hi Thomas & Group,

my friend Dimitris, SW1JGW, I think he asking about the comparison between these two transceivers and just for VHF & UHF bands (Satellites).

As I know, the Kenwood TS-790 is *very famous* as "One of the Best" receivers for VHF-UHF, with
EXCELLENT reviews from magazines and operators. Dozens of Hams considering this radio as "The state of the Art", the "Top" V-U receiver..

So, we looking for the truth about this. Is it indeed the TS-790 superior receiver compared with an FT-847 on VHF-UHF bands?

Dimitris, ...he wondering.... and I wondering also !

But we looking for somebody with good enough experience about these 2 radios.

Definitely they are different models, the 847 including HF, 50 MHz as well....
the TS-790 is just a V-U radio (with optional 1.2 GHz).

Therefore the question is:

if you are a Satellite operator and you have into your Shack an FT-847 which
working just on Satellites (VHF & UHF), do you change it that with a TS-790 ?

Personally I will answer YES, if I know that the TS-790 is superior.

But, is it better ???

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, May 06, 2008 1:22 AM
Subject: Re: [eu-amsat] FT847 vs Kenwood TS790E

> SW1JGW schrieb:
>> Dear friends.
>> I would like to ask your opinion for a comparison between yaesu FT847
>> and Kenwood TS790E. I am an onwer of FT847 and im thinking to replace
>> it with a Kenwood TS790. So please help me
>> 73 de sw1jgw
>>
>>
>>
> I would not replace the FT-847 with an TS-790. But this is my personal
> opinion.

>
>
> Mit freundlichen Gróssen, Regards, 73
> Thomas Frey, HB9SKA

1475. RE: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 09:00:58 UTC
From: John Hackett
Topic: 1469 Message: 1475

Yes Thomas, the QRZ.COM address for Al is correct.

The idea is to help any newcomers (if we can) though of course, you are most certainly not that !!! ha-ha-ha.

I havn't been on AO-7 for a while now, I've neen "messing" about with a "package" of information for potential newcomers to LINEAR satellites. The trend (at last !!!) for them is to upgrade from FM to linear ... we'll need such for when we get an HEO.

Have a good day Thomas.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Mon, 5 May 2008 22:08:41 +0200
Subject: Re: [eu-amsat] Thomas.

John Hackett schrieb:

> Thomas,

> Send me your private e-mail address and I'll reply with

> Al's Post address ... or you can

> of course contact him via via his e-mail address.

>

> 73 John. <la2qaa@...>

>

> ---

>

Hello John, I found Al's address on QRZ.COM. Or is it not correct ?

To the controller: I have one who works properly. Its a self made for

2 KR-5400A's. It works with a voltage measuring board and a relais

board. I have also written my own satellite programs.

I'm thinking around an upgrade to an USB connection or a simpler

COM connection. For both ways the FODtrack interface would be a good

solution. This PICs are not urgent in the moment.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1476. Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 09:18:37 UTC
From: Simon Brown
Topic: 1469 Message: 1476
Attachments: 1 described; binary payloads are missing from this source WARC

John,

Do you or does anyone know if there are launch dates for P3E or the AMSAT-US Eagle? I can't find anything except for P3E with a date in 2006

Simon Brown, HB9DRV

From: John Hackett

> we'll need such for when we get an HEO.

1477. RE: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 09:36:30 UTC
From: John Hackett
Topic: 1469 Message: 1477
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Simon,
As far as I can assertain, there is nothing CONFIRMED.

There have been a few dates bandied about on the various Amsat reflectors and the Amsat Germany page - but it appears to be WISHFUL THINKING.

The hardware, for all intents and purposes is pretty much 'on track'
(pun intentional) but securing a launch is a different matter.

The days of near free HEO piggy-back launches are over ... you don't want to know !!!! the cost of a commercial launch these days ... the only positive sign is that there are more countries jumping on the bandwagon - (launchpad) - these days but "amateur" equipment is a *LONG* way down the list.

I'll bet you my boots !!! Amsat will get a 'surprise' with their latest idea for a free launch. The commercial companies are *NOT* going to give Amsat space when they can sell it for several million $.

We should have secured "ties" with China two decades ago. Why China? ... because they have the capability of going where we want to go (HEO) and an international cooperation would have been advantageous to them as well as us.

I suggested this 15 years ago but was "flamed" quite severely for such a suggestion.

I have purposely been "longwinded" answering your query Simon because it was a very good question indeed - and I'm sure there are many people wondering about it.

Since I'm 'bone-idle', it will (hopefully) save me answering the same question several times.

Have a good day.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Tue, 6 May 2008 11:18:37 +0200
Subject: Re: [eu-amsat] Thomas.

John,

Do you or does anyone know if there are launch dates for
P3E or the AMSAT-US Eagle? I can't find anything except for P3E with a date in
2006

Simon Brown, HB9DRV

From: John Hackett
>
we'll need such for when we get an HEO.

1478. Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 09:40:35 UTC
From: Simon Brown
Topic: 1469 Message: 1478
Attachments: 1 described; binary payloads are missing from this source WARC

Hi John,.

Thanks for the confirmation, it's what I wanted to know. No sunspots, no satellites, at least I can write some software .

Simon Brown, HB9DRV

From: John Hackett

Hello Simon,
As far as I can assertain, there is nothing CONFIRMED.

1479. when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 10:21:15 UTC
From: Thomas Frey
Topic: 1469 Message: 1479

Simon Brown schrieb:
> John,
>
> Do you or does anyone know if there are launch dates for P3E or the
> AMSAT-US Eagle? I can't find anything except for P3E with a date in
> 2006 Sad smile emoticon
>
> Simon Brown, HB9DRV
>
> *From:* John Hackett <mailto:archie.hackett@...>
> **
> > we'll need such for when we get an HEO.
>

Hello Simon

The last launch date for P3E that I heard/read from is November 2008.
But this date will slip, I think. If I know the date, I will let you
all know it.

Bob McGwier wrote in a mail several month ago in AMSAT-BB, Eagle would
launch earliest in 2010. But this date is speculative. They have also
their geostationary project. About this I have read only flaming discussions
and nothing concrete, no proposal.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1480. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 18:16:53 UTC
From: Trevor
Topic: 1469 Message: 1480

--- Thomas Frey <th.frey@...> wrote:
> Simon Brown schrieb:
> > John,
> >
> > Do you or does anyone know if there are launch dates for P3E or the
> > AMSAT-US Eagle? I can't find anything except for P3E with a date in
> > 2006 Sad smile emoticon
> >
> > Simon Brown, HB9DRV

The P5A Mars orbiter, which uses technology to be tested on P3E, is scheduled for 2011, I believe the next suitable date is 2015 if the 2011 launch window is missed.

Clearly they'd like to have P3E up at least a year before P5A to test out the systems that will be used on P5A. So from that I conclude AMSAT-DL will be trying to get P3E launched sometime in 2009 either from the European Space Agency or the Russian Federation launch sites in Kourou.

I hadn't seen anything anywhere on the web regarding launch opportunities for Eagle so something in the 2010/2011 time frame wouldn't suprise me.

I guess the big problem for both satellites is getting a suitable launch opportunity that doesn't cost over half a million dollars.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1481. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 18:19:14 UTC
From: Simon Brown
Topic: 1469 Message: 1481

How on earth do they raise the money for this?

Simon Brown, HB9DRV

From: "Trevor" <m5aka@...>
>
> I guess the big problem for both satellites is getting a suitable launch
> opportunity that doesn't cost over half a million dollars.
>

1482. Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-06 18:44:54 UTC
From: John Hackett
Topic: 1469 Message: 1482

Simon,
I think now you'll understand better my earlier mail.

In the case of oscar 40 *MANY* amateurs donated *A LOT* of money over a *LONG* period of time - which augmented the donations by various international Amsat groups and a couple of significant commercial 'donations'.

Two 'incidents' have contributed to a drop in interest for amateur radio satellite operating, namely, the 'all eggs in one basket' phenomonen followed by the consequative FM catastrophe.

FM is quite unsuitable for satellites since it is a single user mode and is very inefficient. The capture effect ensures that the 'mine's bigger than yours' mentality prevails. *NOT* the smartest move Amsat have made ... but the single most reason people started to vote with their feet - (walk away).

The result is there for anyone to monitor - but the Amsat b.o.d. still insist this was a sensible move.

After the unfortunate AO-40 gas explosion amd the FM thing, this kind of funding will *NOT* happen again.

Another reason that Hams are reluctant to donate like they used to is a consequence of Amsat's actions following Richard Limbeare's 'UNOFFICIAL' referendum several years ago where Hams by a rather large majority voted 'AGAINST' the "all eggs in one basket" mentality ... however, Amsat ignored this and went ahead with AO-40 and thereafter AO-51.

'Selling' amateur frequencies to universities will also probably prove to be detremental to amateur satellite operating though there is a school of thought that this is the way to go ... sell-out or saviour ... time will tell.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Tue, 6 May 2008 20:19:14 +0200
Subject: Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

How on earth do they raise the money for this?

Simon Brown, HB9DRV

From: "Trevor" <m5aka@....uk>

>

> I guess the big problem for both satellites is getting a suitable launch

> opportunity that doesn't cost over half a million dollars.

>

1483. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 22:05:58 UTC
From: Trevor
Topic: 1469 Message: 1483

--- Simon Brown <simon.brown@...> wrote:
> How on earth do they raise the money for this?

That's the problem.

With enough money you can buy a launch but if you don't have the money your scope of launch opportinuties are severely limited.

The cheapest form of launch is for a CubeSat, I think that's about $40,000 for a tiny satellite that's just 10 cm by 10 cm by 10 cm to go into a 650 km high orbit.
P3E is a lot larger than that.

73 Trevor M5AKA

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1484. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-06 22:34:39 UTC
From: Trevor
Topic: 1469 Message: 1484

--- John Hackett <archie.hackett@...> wrote:
> After the unfortunate AO-40 gas explosion

It wasn't a gas explosion, it was a plate bolted across the outlet of the motor that caused the problem - lots of thrust with nowhere to go !

BTW I'm not aware of anyone on the AMSAT-NA board who isn't keen to see satellites with linear transponders in decent orbits.

We need either HEO or OSCAR-7 type 1500 km orbits instead of the sub 1000 km orbits that linear transponder sats such as VO-52 have gone into.

The question is how do you get a satellite into a suitable orbit ? Plenty of launchers will get you to a 650 km orbit but unless you've the money to pay for it getting a launch to higher orbits is problematic.

It's why the Phase-IV agreement with Intelsat is so valuable

http://www.uk.amsat.org/content/view/576/86/

It will enable Amateurs to put payloads Geostationary satellites and perhaps get some funding from the US Department of Homeland Security. I'm sure those of us on this side of the Atlantic hope the first one goes on a Geo located about 60 degrees west.

73 Trevor M5AKA

_____
Yahoo! For Good. Give and get cool things for free, reduce waste and help our planet. Plus find hidden Yahoo! treasure

http://green.yahoo.com/uk/earth-day/

1485. Never mind dummy loads, how about dummy rotors?.

Yahoo group: eu-amsat
Date: 2008-05-06 23:00:49 UTC
From: John Hackett
Topic: 1485 Message: 1485
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Just built up my 'dummy' rotor again. (see pic) for 'test' porpoises ... (and other sea creatures).

(the spelling error was intentional folks).

My 'real' rotor (outside) also uses the tube in a tube type ofcrossboom though I didn't use my crutch for that one like I did withthe 'model'.

As long as I keep it well oiled it works in minus 20 degrees of snowand ice ... unlike Yaesu's elevation rotor which throws in the towel ata mere minus 12.

The La2qaa elevation rotor uses an electric screwdriver and a threaded rod.

The 'model' is to illustrate general construction proceedure for the newcomer.

73 John.

1486. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-06 23:10:36 UTC
From: Thomas Frey
Topic: 1469 Message: 1486

Trevor schrieb:
> --- Simon Brown <simon.brown@...> wrote:
>
>> How on earth do they raise the money for this?
>>
>
> That's the problem.
>
> With enough money you can buy a launch but if you don't have the money your
> scope of launch opportinuties are severely limited.
>
> The cheapest form of launch is for a CubeSat, I think that's about $40,000 for
> a tiny satellite that's just 10 cm by 10 cm by 10 cm to go into a 650 km high
> orbit.
> P3E is a lot larger than that.
>
> 73 Trevor M5AKA
>
>
>
>
I agree. Additionaly you must find the right vehicle which can bring
the satellite to the right position for a HEO-orbit. This makes the
situation not easier.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1487. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-06 23:38:07 UTC
From: Thomas Frey
Topic: 1469 Message: 1487

Trevor schrieb:
> --- John Hackett <archie.hackett@...> wrote:
>
>> After the unfortunate AO-40 gas explosion
>>
>
> It wasn't a gas explosion, it was a plate bolted across the outlet of the motor
> that caused the problem - lots of thrust with nowhere to go !
>

Trevor, it was a gas explosion. There was a new motor mounted into the sat
with one more valve with a red flag for "Remove Before Flight". This "RBF"
was forgotten to remove and caused the explosion thru overpressure of the
high toxic fuel. You can read the story here:
http://www.wikimirror.com/AO-40

> BTW I'm not aware of anyone on the AMSAT-NA board who isn't keen to see
> satellites with linear transponders in decent orbits.
>
> We need either HEO or OSCAR-7 type 1500 km orbits instead of the sub 1000 km
> orbits that linear transponder sats such as VO-52 have gone into.
>
> The question is how do you get a satellite into a suitable orbit ? Plenty of
> launchers will get you to a 650 km orbit but unless you've the money to pay for
> it getting a launch to higher orbits is problematic.
>
> It's why the Phase-IV agreement with Intelsat is so valuable
>
> http://www.uk.amsat.org/content/view/576/86/
>
> It will enable Amateurs to put payloads Geostationary satellites and perhaps
> get some funding from the US Department of Homeland Security. I'm sure those of
> us on this side of the Atlantic hope the first one goes on a Geo located about
> 60 degrees west.
>
> 73 Trevor M5AKA
>
>
>
This was only an anouncement from AMSAT-NA. How long would you like
to hope for this GEO-sat ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1488. Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 00:20:42 UTC
From: John Hackett
Topic: 1488 Message: 1488

Hello Al,
I *SERIOUSLY* doubt there will be an amateur payload on a launch vehicle that carries an INTELSAT satellite to GEO ... at least in my lifetime.

As you know, this is *NOT* the first time Amsat-NA have thrown out a white elephant when the b.o.d. have been under pressure ... remember what Russ said? ... and as Editor-in-Chief for so many years, he ought to know ... and it's *NOT* the first time Amsat-UK have swollowed the camel whole.

When Mak and I started this reflector, one of the criteria was that each person would be entitled to their own opinion ... (providing he/she kept it clean).

Please bear that in mind folks ... no flaming, lets leave that to the Americans.

BTW Trevor, I still believe it was a gas explosion that knackered P3E.
Of course, much depends on where one gets one's information from.

73 John. <la2qaa@...>

1489. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-07 02:37:24 UTC
From: Luc Leblanc
Topic: 1469 Message: 1489

On 6 May 2008 at 23:05, Trevor wrote:

> --- Simon Brown <simon.brown@...> wrote:
> > How on earth do they raise the money for this?
>
> That's the problem.
>
> With enough money you can buy a launch but if you don't have the money your
> scope of launch opportinuties are severely limited.
>
> The cheapest form of launch is for a CubeSat, I think that's about $40,000 for
> a tiny satellite that's just 10 cm by 10 cm by 10 cm to go into a 650 km high
> orbit.
> P3E is a lot larger than that.
>
> 73 Trevor M5AKA
>

The Russian are supposed to move one of their launch site to French Guyanna if i remember correctly what i read somewhere on the internet.
The same rocket will be able to carry a larger payload at this near equator position. Is this can make some room for ballast weight? P3E
and Eagle if one day they can be completed can potentially take the place of the ballast weight!

P.S. It's fun to read again on the HEO'S. Last time i was involved in this kind of discussion on AMSAT-BB i upset the BOD up to a point
they censored me as a XXX movie... But they are more concern actually in promoting the AMSAT logo on a race car and filled up room at the
Dayton hamvention...

For their intelsat project amateur satellite version 1.10002.3888a they are always running for the cutiest girl who show up on the dance
floor instead of choosing the next one who is less busy... not ugly but who can be a good dancer too.

AMSAT-NA will have time to convince me they will put as much energies in the actual "modified" project against the will of some "builders"
the one the BOD should have to twisted their arms to make them swallow an Eagle satellite far away of what they want to do...If you read it
correctly i wrote WHAT THEY WANT TO DO not what their membership wants.

Final result members goes out with their money. Speaking of cubes i don't know how much is the total weight of 8 cubes but something as AO-
7 or AO-13 can be an interim solution! I just hope to see how DELFI will perform when he will be in the transponder mode?

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1490. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-07 02:40:03 UTC
From: Luc Leblanc
Topic: 1469 Message: 1490

On 6 May 2008 at 19:16, Trevor wrote:

>
> Clearly they'd like to have P3E up at least a year before P5A to test out the
> systems that will be used on P5A. So from that I conclude AMSAT-DL will be
> trying to get P3E launched sometime in 2009 either from the European Space
> Agency or the Russian Federation launch sites in Kourou.
>

Here is my confirmation i just read it after sending my previous one...

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1491. DELFI C 3

Yahoo group: eu-amsat
Date: 2008-05-07 03:19:25 UTC
From: Luc Leblanc
Topic: 1424 Message: 1491

I watched DELFI C 3 when he goes out eclipse. As soon as he get some light he start to transmit his data but and as reported by some
listeners he stopped transmitting after one or two minutes and he normally does not come back even if he's in full light.

My question: is it normal or is it a problem?

Thank's for your inputs

P.S. SEEDS is now in CW TLM mode i try to decoded with CWGET but he's not reliable i will have to recorded and decoded it after...Pain in
the neck as my CW is a "bit" rusty Did any one try another CW decoder who at least put gaps between TLM strings?

Too lazy to copy CW

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1492. Keps.

Yahoo group: eu-amsat
Date: 2008-05-07 07:09:36 UTC
From: John Hackett
Topic: 1492 Message: 1492

As of today, the 7th of May, the Amsat website page has keps for AO-40 and various other satellites that are non-operational ... but it does *NOT* yet have keps for Delphi-C3 and or the other recently launched cubesats.

Yea ... yea ... I know - volunteer organisation etc ...

It's NOT* a complaint, it's an 'observation' - because I wanted to download the keps to my mobile phone tracker.

I could load them manually from Celestetrack of course but La2qaa is far! too bone idle for that ... it would take at least !!! 5 minutes ... pah!.

A single press of a key is pushing the limit of La2qaa's intelligence.

73 John. <la2qaa@...>

1493. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-07 09:34:26 UTC
From: SV1BSX
Topic: 1469 Message: 1493

>>
>>> After the unfortunate AO-40 gas explosion
>>>
>>
>> It wasn't a gas explosion, it was a plate bolted across the outlet of the motor
>> that caused the problem - lots of thrust with nowhere to go !
>>
>
> Trevor, it was a gas explosion. There was a new motor mounted into the sat
> with one more valve with a red flag for "Remove Before Flight". This "RBF"
> was forgotten to remove and caused the explosion thru overpressure of the
> high toxic fuel. You can read the story here:
> http://www.wikimirror.com/AO-40

Hi all

it's a very interesting point that dear friends. As I read on wikimirror:

"The Command Team were able to infer that there had been

an explosion caused by pressure in the propellant pipes

caused by malfunction of the control valves. A protective cap

that was supposed to be removed from the motor before launch,

was inadvertently left in place. When the motor was fired,

pressure built up where it shouldn't, and destructive failure occurred".

Is it another scenario that? "Protective cap"??? what CAP?

I have heard about the "Remove Before Flight" FLAGS.

But this scenario is funny. These RMF-flags are from ..paper!

How is possible a small triangle-flag to destroy a Rocket-engine?

The propulsion power on the rocket-exhaust is high enough to... evaporate

anything like that .

Have you seen the Video with the Police-Car behind of an airplane?

when the airplane push for full-power the Jet-engines, the police car is... "tumbling" for about

300 m, like a toy. Of course the Newton-motor onto AO-40 wasn't too much

powerful like a B-747 airplane... but respectively it wasn't a... car "glued" on rocket -exhaust of AO-40.... it was just a small ..paper RBF-flag !

And finally, how the "Wikimirror" got this information about protective-CAP? from AMSAT-DL? I can't find anywhere something about it. And I wondering....

73 de Mak, SV1BSX

1494. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-07 10:32:25 UTC
From: Thomas Frey
Topic: 1469 Message: 1494

SV1BSX schrieb:
> >>
> >>> After the unfortunate AO-40 gas explosion
> >>>
> >>
> >> It wasn't a gas explosion, it was a plate bolted across the outlet
> of the motor
> >> that caused the problem - lots of thrust with nowhere to go !
> >>
> >
> > Trevor, it was a gas explosion. There was a new motor mounted into
> the sat
> > with one more valve with a red flag for "Remove Before Flight". This
> "RBF"
> > was forgotten to remove and caused the explosion thru overpressure
> of the
> > high toxic fuel. You can read the story here:
> > http://www.wikimirror.com/AO-40
>
> Hi all

Hello Mak

> it's a very interesting point that dear friends. As I read on wikimirror:
>
> /"The Command Team were able to *infer* that there had been /
>
> /an explosion caused by pressure in the propellant pipes /
>
> /caused by malfunction of the control valves. A *protective cap* /
>
> /that was supposed to be removed from the motor before launch, /
>
> /was inadvertently left in place. When the motor was fired, /
>
> /pressure built up where it shouldn't, and destructive failure occurred"./
>
> //
>
> Is it another scenario that? "Protective cap"??? what CAP?
>
The cap on the valve.

> I have heard about the "Remove Before Flight" FLAGS.
>
> But this scenario is funny. These RMF-flags are from ...paper!

>
> How is possible a small triangle-flag to destroy a Rocket-engine?
>
> The propulsion power on the rocket-exhaust is high enough to... evaporate
>
> anything like that .
>
No Mak, not the flag but the forgotten cap destroyed AO-40. This
red flag says: "Remove this before flight".

> Have you seen the Video with the Police-Car behind of an airplane?
>
> when the airplane push for full-power the Jet-engines, the police car
> is... "tumbling" for about
>
> 300 m, like a toy. Of course the Newton-motor onto AO-40 wasn't too much
>
> powerful like a B-747 airplane... but respectively it wasn't a... car
> "glued" on rocket
>
> -exhaust of AO-40.... it was just a small ...paper RBF-flag !
>

It was a communication failure between an American group and the Germans.
I don't know the persons who were involved.

> And finally, how the "Wikimirror" got this information about
> protective-CAP?
>
> from AMSAT-DL? I can't find anywhere something about it. And I
> wondering....
>

I think from Wikipedia. I can confirm this story. I heard it from a former
AMSAT-DL BOD-member at a conference held here in Switzerland.

> 73 de Mak, SV1BSX
>
>

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1495. Not Amsat bashing.

Yahoo group: eu-amsat
Date: 2008-05-07 10:59:12 UTC
From: John Hackett
Topic: 1495 Message: 1495

Hello Ladies and Gentlemen,
I can neither confirm nor deny the details surrounding the failure of AO-40 - simply because I wasn't there when it happened ... I just wrote what I read ... however, I *CAN* confirm that several years ago I was personally approached by a prominent member of the Amsat b.o.d. with an offer (one that I declined) ... an offer that was knowingly incorrect.

The object of the exercise was to have me toe the party line when I'd asked why a certain matter had become Amsat policy despite the majority of paying members being clearly against the proposal ... but
this is nothing untoward in 'business' or in party politics.

The usual common denominator applies ... shut up, sit down and stop rocking the boat ... (we know better than you what you need).

My apologies for using the word politics - but this 'is' - (intentionally) - an open reflector and the content is 'satellites'.

This is *NOT*^intended to be part of an 'AMSAT BASHING' campaign ... just an attempt at putting things in perspective.

73 John <la2qaa@...>

1496. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-07 11:35:26 UTC
From: Luc Leblanc
Topic: 1469 Message: 1496

On 7 May 2008 at 12:32, Thomas Frey wrote:

> SV1BSX schrieb:
> > >>
> > >>> After the unfortunate AO-40 gas explosion
> > >>>
> > >>
> > >> It wasn't a gas explosion, it was a plate bolted across the outlet
> > of the motor
> > >> that caused the problem - lots of thrust with nowhere to go !
> > >>

Based on memories from that time i remember having read something about a faulty valve who failed to open when the command has been sent at
the first time. The control team send another command to make this valve work she open but again failed to closed on time making AO-40
going too far away in a wrong orbit. they afterwards used the cold engine motor to correct the orbit to avoid an early deorbit. A lot has
beeen said and wrote on the incident but this valve issue was pointed to explain some corrosive gas leakage in the doomed satellite body.
who conducted to a lot of cascade failures.

They where aware before launch of theses valves issues...another unexplained AO-40 mysteries.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1497. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-07 12:46:51 UTC
From: SV1BSX
Topic: 1469 Message: 1497

BINGO my friend Luc !!!!!!!!

just the same I remember.... that was the point, a faulty-valve and not
some ridiculous stories about flags and... forgotten CAPs.

BTW, the procedure before the "lift-off" of a satellite it's very-very
scholastic procedure. It is not there just a man which looking for....
unbolted screws !
It is a long catalogue with a carefully procedure and take place
twice. For a long time. In order to eliminate any human -error.

So, how is possible to accept the human-error about CAPs and Flags?

Sorry my friends, that it's a really funny story. And it's much more funny
because
in practice we've never got a good explanation about the AO-40's failure.

That confirms to me that:

definitely something was very bad... and probably it was too bad so as some
peoples they had a VERY good reason to hide it, in order to avoid the
clamor
from the World Ham community.

Keep in mind, it wasn't just a Satellite... it was the BEST, most complex
Ham-sat
that ever flown... a 5 million's object !

And, 5 million's dollars it's a very good reason for... lies!

73, Mak SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, May 07, 2008 2:35 PM
Subject: Re: [eu-amsat] Launch costs.

> On 7 May 2008 at 12:32, Thomas Frey wrote:
>
>> SV1BSX schrieb:
>> > >>
>> > >>> After the unfortunate AO-40 gas explosion
>> > >>>
>> > >>
>> > >> It wasn't a gas explosion, it was a plate bolted across the outlet
>> > of the motor
>> > >> that caused the problem - lots of thrust with nowhere to go !

>> > >>
>
> Based on memories from that time i remember having read something about a
> faulty valve who failed to open when the command has been sent at
> the first time. The control team send another command to make this valve
> work she open but again failed to closed on time making AO-40
> going too far away in a wrong orbit. they afterwards used the cold engine
> motor to correct the orbit to avoid an early deorbit. A lot has
> beeen said and wrote on the incident but this valve issue was pointed to
> explain some corrosive gas leakage in the doomed satellite body.
> who conducted to a lot of cascade failures.
>
> They where aware before launch of theses valves issues...another
> unexplained AO-40 mysteries.
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1498. Re: [amsat-bb] Delfi-C3 status update 7 May 12:00 UTC

Yahoo group: eu-amsat
Date: 2008-05-07 15:29:39 UTC
From: Luc Leblanc
Topic: 1498 Message: 1498

On 7 May 2008 at 14:06, Wouter Jan Ubbels wrote:

> Hi all,
>
> another status update of the Delfi-C3 satellite:
>
> 1. Delfi-C3 is now in orbit for over a week, and continues to perform well.
>
DELFI was not transmitting on the mornig pass here

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1499. Re: [eu-amsat] Launch costs.

Yahoo group: eu-amsat
Date: 2008-05-07 15:48:32 UTC
From: Thomas Frey
Topic: 1469 Message: 1499

SV1BSX schrieb:
> BINGO my friend Luc !!!!!!!!
>
> just the same I remember.... that was the point, a faulty-valve and not
> some ridiculous stories about flags and... forgotten CAPs.
>

I have to control me now, that I'm not "flamable". Mak, if you leave a
cap on a workable valve, does the valve work ? NO !! IT DOES NOT !!
Then you can send millions of commands, the valve would never work with an
forgotten cap on it. OK ? No Bingo.

> BTW, the procedure before the "lift-off" of a satellite it's very-very
> scholastic procedure. It is not there just a man which looking for....
> unbolted screws !
> It is a long catalogue with a carefully procedure and take place
> twice. For a long time. In order to eliminate any human -error.
>
> So, how is possible to accept the human-error about CAPs and Flags?
>
> Sorry my friends, that it's a really funny story. And it's much more funny
> because
> in practice we've never got a good explanation about the AO-40's failure.
>
> That confirms to me that:
>
> definitely something was very bad... and probably it was too bad so as some
> peoples they had a VERY good reason to hide it, in order to avoid the
> clamor
> from the World Ham community.
>
> Keep in mind, it wasn't just a Satellite... it was the BEST, most complex
> Ham-sat
> that ever flown... a 5 million's object !
>
> And, 5 million's dollars it's a very good reason for... lies!
>
>
>
> 73, Mak SV1BSX
>
>
>
>
>

>
>
>
For lies ? Who belies ? AMSAT-DL ? I with my previous mail ?
Definitely not !

You can continue this discussion, but please with respect. BTW I
have goten also a few insider informations, that was never discussed
in any group.

Mit freundlichen Grüssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1500. Another P3D Possibility

Yahoo group: eu-amsat
Date: 2008-05-07 17:53:08 UTC
From: John Hackett
Topic: 1500 Message: 1500

Hello folks,
I'm sure Al won't mind me passing along one of his personal mails to me since it might be of interest to others.

73 John. <la2qaa@...>

From: allan_gm1sxx@...
To: archie.hackett@...
Subject: Another P3D Possibility
Date: Wed, 7 May 2008 17:32:57 +0000

Hi John,

Since 'something' went seriously wrong with P3D's propulsion system, one possibility is that the combustion chamber plug WAS removed BUT another one wasn't. Hypergolic motors have fuel, oxidiser and nitrogen lines as well as various vent and purge lines. The nitrogen is used to pressurise the fuel and oxidiser tanks to force fuel and oxidiser into the motor. Because Nitrogen is inert, it can also be used to 'blow down' said lines to purge them of fuel and oxidiser. It's possible that a mistake here in the blowdown procedure caused the explosion. I'm sure we'll never be told the full facts. It's normal to blow down or purge the unburnt substances out of these lines between rocket firings. perhaps one of the vent/purge lines was left blocked with a cap. That would have caused BIG problems.

73 Al.

Invite your Facebook friends to Messenger! Get Started!

1501. Motor nozzle plug theory.

Yahoo group: eu-amsat
Date: 2008-05-07 17:49:46 UTC
From: John Hackett
Topic: 1501 Message: 1501
Attachments: 1 described; binary payloads are missing from this source WARC

Hello folks,
Regarding the AO-40 motor nozzle plug wasn't removed theory ... here's a pic of the offending plug actually being removed.

(Oh well ... theory and practice ...La2qaa).

(pic curtesy of GM1SXX)

73 John. <la2qaa@...>

1502. Re: when we get an HEO ? was: Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2008-05-07 18:03:00 UTC
From: Trevor
Topic: 1469 Message: 1502

> Speaking of cubes i don't
> know how much is the total weight of 8 cubes but something as AO-
> 7 or AO-13 can be an interim solution!

I believe P3E will be about 150 kg that's the weight of 150 cubesats (cubesats are about a kilo each). BTW OSCAR 7 weighed the same as 28 CubeSats.

> I just hope to see how DELFI will
> perform when he will be in the transponder mode?

It's transponder power level is almost 12 dB down on Oscar 7 when that was launched so the signals will be weak and range will also be limited as it's in a very low orbit but it's an exciting satellite as it achieves many things have never been done before on a CubeSat.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1503. Re the P3D controversy.

Yahoo group: eu-amsat
Date: 2008-05-07 18:10:43 UTC
From: John Hackett
Topic: 1503 Message: 1503

To those concerned/interested,
Bear in mind that a FACT is ... "something that is known" ... it is *NOT* necessarily what actually happened to P3D. The following are conflicting reports from 3 different organisations based on received tlm about what 'probably' happened.

I think it's safe to assume there *WAS* a gas explosion - as I originally mentioned.

73 John. <la2qaa@...

.....

(Wikipedia)
Operational problems
On 13 December 2000 at 11:23
UTC, transmissions from AO-40 ceased during the exercising of its 400 newton motor. The Command Team were able to infer that there had been an explosion caused by pressure in the propellant pipes caused by malfunction of the control valves. A protective cap that was supposed to be removed from the motor before launch, was inadvertently left in place. When the motor was fired, pressure built up where it shouldn't, and destructive failure occurred. The loss of the motor caused AO-40 to be left in an equatorial orbit that the satellite was not designed for.

As
a result of this incident several pieces of radio equipment no longer functioned or were not able to be commissioned. Following strenuous efforts by the Command Team, signals were restored on 25 December 2000 at 2145 UTC when Command Team member Ian Ashley (amateur radio call sign ZL1AOX) of New Zealand successfully sent a 'reset' signal to the satellite. Onboard cameras were used to establish the attitude of the satellite, and the magnatorquer system was used to spin-stabilize the satellite.

During June 2001, gas from the arcject motor was
vented to raise and stabilize the orbit of the satellite. The spacecraft got a lot higher than expected. Subsequently, the communication packages and cameras were gradually re-activated.

==========
AMSAT-NA
hortly
after launch a plugged valve vent on the 400 N motor prevented proper functioning of the burn valves and had probably allowed build-up of fuel pressure in the cooling coils around the motor bell housing. These coils apparently ruptured and in the process damaged one or (less likely) both of the burn valves. During cycling of the pressurization

valve the following day, one component of the fuel apparently escaped from the damaged burn valve at the motor housing and mixed with residual second fuel component in the motor, creating a localised explosion. During this cycling (which should have been safe since the burn valves were indicated in the telemetry as closed) the spacecraft suddenly went silent. This pressure wave seems to have vented primarily through the centre section of the spacecraft, damaging the omni antennas on the opposite end and perhaps removing part of the covering from the omni end of the spacecraft. AO-40 was recovered several weeks later but several of the subsystems were no longer functioning.

In January of 2004, AO-40 suffered suffered a catastrophic failure of the main battery which is clamping the buss voltage at a low level. This shut off the S2 Tx, and probably crashed the IHU-1. Subsequent efforts to recover the satellite failed, and although the main and aux. batteries were been tied together there is not enough voltage at this time to recover the satellite.

==========

ARRL

Immediately after launch, AO-40 seemed to be working properly, although something was wrong with its 70-cm transmitter. The satellite's elliptical orbit needed to be optimized for best communications. On December 13, 2000, as ground controllers tried to maneuver AO-40 in orbit, the satellite unexpectedly went silent.

After a couple of weeks of consternation and efforts to communicate with AO-40 and restart the onboard equipment, there were great sighs of relief in the AMSAT world when the 2401 MHz S-band beacon turned on at ground command on December 25, 2000. The resurrection of AO-40 was viewed as a marvelous Christmas present.

Unfortunately, other systems in the satellite now were either not working at all or not working correctly. Most noticeably, the 2-meter beacon transmitter, which had been heard loud and clear transmitting telemetry in the days right after launch, now appeared to be dead.

AMSAT-NA President Robin Haighton, VE3FRH, said that while the Phase 3D team may never know exactly what happened, the likely scenario includes what Haighton--in an interview with ARRL--called "a minor explosion" aboard AO-40 that apparently damaged or destroyed some systems. Haighton said that the 400 N propulsion motor could have "burped" or "popped' as out-of-place fuel mixed and then ignited as a result of a blocked exhaust port on a helium valve. The problem was attributed to a pre-launch human error.

==========

1504. Re: [eu-amsat] Motor nozzle plug theory.

Yahoo group: eu-amsat
Date: 2008-05-07 18:11:46 UTC
From: Trevor
Topic: 1501 Message: 1504

--- John Hackett <archie.hackett@...> wrote:
> Regarding the AO-40 motor nozzle plug wasn't removed theory
> ... here's a pic of the offending plug actually being removed.

Question is when was that picture taken ?

Prior to launch it was believed there may have been an issue with the motor. It was removed and shipped back to the manufacturers for testing. The manufacturers returned it as "Working OK" and the motor was refitted. Unfortunately the manufacters put a cover over the outlet which had been bolted on. The new cover didn't get a "remove before flight" tag added and so wasn't.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1505. AO-7 log.

Yahoo group: eu-amsat
Date: 2008-05-07 18:39:19 UTC
From: John Hackett
Topic: 724 Message: 1505

I think it's about time to put a notice on the AO-7 log again for the benefit of those who *CAN'T* see what everybody else does.

PA1NTO at 14:45 ... then again at 14:46.
PE1BVQ at 16:26 ... then again at 16:40.

If people make a mistake they *CAN* correct it ... (tick the *REMEMBER ME* box and edit the entry with the hourglass).
.....

PLEASE !!! ... ONLY ONE ENTRY PER PASS ... (max 6 stations worked) ... MORE !!! than 6 stations per pass and you may use two entries for the same pass.

The QSO's pane means the callsign of the station you worked, *NOT* the fact that you called CQ. There are lots of stations calling CQ who never put an entry in the log so a a mere CQ really of much interest to anybody.

There is a dedicated COMMENTS pane
.....

73 John. <la2qaa@hotmail.com>

1506. Re: [eu-amsat] Another P3D Possibility

Yahoo group: eu-amsat
Date: 2008-05-07 18:42:20 UTC
From: Thomas Frey
Topic: 1500 Message: 1506

John Hackett schrieb:
> Hello folks,
> I'm sure Al won't mind me passing along one of his
> personal mails to me since it might be of interest to others.
>
> 73 John. <la2qaa@...>
>
> ---
> From: allan_gm1sxx@...
> To: archie.hackett@...
> Subject: Another P3D Possibility
> Date: Wed, 7 May 2008 17:32:57 +0000
>
> Hi John,
>
> Since 'something' went seriously wrong with P3D's propulsion
> system, one possibility is that the combustion chamber plug WAS
> removed BUT another one wasn't. Hypergolic motors have fuel,
> oxidiser and nitrogen lines as well as various vent and purge
> lines. The nitrogen is used to pressurise the fuel and oxidiser
> tanks to force fuel and oxidiser into the motor. Because Nitrogen
> is inert, it can also be used to 'blow down' said lines to purge
> them of fuel and oxidiser. It's possible that a mistake here in
> the blowdown procedure caused the explosion. I'm sure we'll never
> be told the full facts. It's normal to blow down or purge the
> unburnt substances out of these lines between rocket firings.
> perhaps one of the vent/purge lines was left blocked with a cap.
> That would have caused BIG problems.
>
> 73 Al.
>
>
>
>
> ---
>

Hello John, Gentlemen

This is a very interesting mail from Al. It's possible, that I was
not clear enough in my previous mail. My apologies to those who
misunderstood me.

The manufacturer of the motor, a company in Germany, delivered
AMSAT-DL with its motors for P3A, AO-10, AO-13 and AO-40. The new
motor had 1 valve more than that for AO-13. The company (the name is

not present now) informed AMSAT-DL about the additional valve correctly. But between AMSAT-DL and the american integration team was a communication problem. This was the reason, why the cap with its red flag was not removed from this additional valve.

This are the facts which I knows from serious sources. All other is speculation or nonsense or rubbish.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1507. AO-7 Beacon

Yahoo group: eu-amsat
Date: 2008-05-07 18:46:02 UTC
From: Chris Bloy
Topic: 1469 Message: 1507

Hi All,

I know this has been announced before, but AO-7's 2m beacon was chirping away tonight on the 19:12 pass over IO90KU, but was unable to catch what it says.. My CW is not great,but getting better, could someone tell me what I is.. i believe its actually its callsign?? Because I did catch a 7!!

Thanks,

Chris - Portable Satellite Operator...

1508. Re: [eu-amsat] AO-7 Beacon

Yahoo group: eu-amsat
Date: 2008-05-07 18:56:52 UTC
From: Thomas Frey
Topic: 1469 Message: 1508

Chris Bloy schrieb:
> Hi All,
>
> I know this has been announced before, but AO-7's 2m beacon was
> chirping away tonight on the 19:12 pass over IO90KU, but was unable to
> catch what it says.. My CW is not great,but getting better, could
> someone tell me what I is.. i believe its actually its callsign??
> Because I did catch a 7!!
>
> Thanks,
>
> Chris - Portable Satellite Operator...
>
>
Hello Chris

This is an example from Pat, G3IOR:

Hi Hi
100 176 164 178
280 262 200 254
375 358 331 354
453 454 461 459
541 501 552 529
600 600 601 651
Hi Hi

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1509. Re: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 19:27:24 UTC
From: Trevor
Topic: 1488 Message: 1509

--- John Hackett <archie.hackett@...> wrote:
> I *SERIOUSLY* doubt there will be an amateur payload on a launch
> vehicle that carries an INTELSAT satellite to GEO ... at least in my
> lifetime.

Well I'm sure we'll know in 2011.

Certainly Emergency Communications capability is a key priority of the US Department of Homeland Security and the AMSAT-NA Advanced Communication Package (ACP) neatly fits that bill.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1510. Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 19:36:48 UTC
From: John Hackett
Topic: 1510 Message: 1510

Thomas,
I'm glad you were able to confirm that someone at Amsat stuffed up and confirmed my original mail that started the P3D thread.

Chris,
AO-7 telemetry. The parameters of channel 6 must be 650, 651 or 652. If they are not, the telemetery is corrupt.

GM1SXX and myself collected and analysed the telemetry daily for 3 years and I discovered a couple of things that were 'NOT* as published in the 1974 Amsat newsletter.

This was later confirmed by Jan King, the project manager, whom I still correspond with.

73 John. <la2qaa@...>

1511. Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 19:44:13 UTC
From: John Hackett
Topic: 1488 Message: 1511

To whom it may concern,
When I used the phrase 'amateur payload' I should of course have been more specific.

I meant a payload that amateur satellite operators could use to communicate with eachother.
This is *NOT* what the Intelsat package is.

The Amsat b.o.d. didn't make it clear that the package was for emergency communication use only ... nor did they inform the membership of the proposed cost.

When this 'news' eventually filters down I expect there will be a change of attitude.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 20:27:24 +0100
Subject: Re: [eu-amsat] Intelsat and amateur payloads.

--- John Hackett <archie.hackett@...> wrote:

> I *SERIOUSLY* doubt there will be an amateur payload on a launch

> vehicle that carries an INTELSAT satellite to GEO ... at least in my

> lifetime.

Well I'm sure we'll know in 2011.

Certainly Emergency Communications capability is a key priority of the US

Department of Homeland Security and the AMSAT-NA Advanced Communication Package

(ACP) neatly fits that bill.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1512. P3D .Forensic analysis

Yahoo group: eu-amsat
Date: 2008-05-07 19:50:00 UTC
From: Luc Leblanc
Topic: 1503 Message: 1512

On 7 May 2008 at 20:10, John Hackett wrote:

>
> To those concerned/interested,

>Bear in mind that a FACT is ... "something that is known" ... it is *NOT* necessarily what actually happened to P3D.

The following are conflicting reports from 3 different organisations based on received tlm about what 'probably' happened.
>
> I think it's safe to assume there *WAS* a gas explosion - as I originally mentioned.
>
> 73 John. <la2qaa@...
>
As usual the devils are in the details. Can we assume there is some missiing here? by purpose! by omission! to protect reputation! by
crappy ignorance! we probably never know but in any case my only hope is that the same "errors" can be prevented but to be prevented they
should be disclose failing to do so will only perpetuate the cycle again and again...

We all have our ways to protect our buddies but when time come to write it on paper it is normal that we can see some minor interpretation
differences but when reading them one after the other few seconds apart instead of days or weeks can just make the discrepancies more
noticeable.

The bottom line seems to be a human error we can live with that but the fear will be always about "who" is this human! it is logical to
believe that we willl not see many rising hands.

End of act one!

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1513. Re: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 20:03:54 UTC
From: Trevor
Topic: 1510 Message: 1513

--- John Hackett <archie.hackett@...> wrote:
> someone at Amsat stuffed up

John, when you use the phrase "AMSAT" which organisation are you refering to, AMSAT-NA or AMSAT-DL ?

It is not clear from your email.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1514. Re: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 20:04:37 UTC
From: Luc Leblanc
Topic: 1488 Message: 1514

On 7 May 2008 at 21:44, John Hackett wrote:

>
> To whom it may concern,
> When I used the phrase 'amateur payload' I should of course have been more specific.
>
> I meant a payload that amateur satellite operators could use to communicate with eachother. This is *NOT* what the Intelsat package is.
>
> The Amsat b.o.d. didn't make it clear that the package was for emergency communication use only ... nor did they inform the membership of the proposed cost.
>
> When this 'news' eventually filters down I expect there will be a change of attitude.
>
> 73 John. <la2qaa@...>

Selective availability for selected users only kind of way to implement an AMSAT-NA per paying members/users only system. The first
restriction NA coverage, the second communication protocol. I doubt that any national emergency system will be wide open to the crowds!
and the crowds walked without their shoes in the US airport departure checking point...
Funny smell around the rubber conveyor belt.

This whole story sound weird as weird as the commercial Satellite packet gateway where amateur radio packet where transmitted through
their commercial data streams few years ago.

.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1515. Re: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 20:26:35 UTC
From: Trevor
Topic: 1488 Message: 1515

--- John Hackett <archie.hackett@...> wrote:
> The Amsat b.o.d. didn't make it clear that the package was for emergency
> communication use only ... nor did they inform the membership of the proposed
> cost.

As AMSAT-NA have said there will be more than one payload.

BTW I don't know where you get the idea that the ACP package is for emergency use only ?

The Intelsat arrangement offers 400 W of dc power for 15 years, you can do quite a lot with that.

To quote AMSAT-NA "The Phase IV Lite Geosynchronous Payload is planned to consist of similar transponders already under development for the Phase 3 satellites."

I wish AMSAT-NA every success in their venture.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1516. RE: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 20:50:29 UTC
From: John Hackett
Topic: 1510 Message: 1516

Trevor,
I'm sorry if I was a tad incoherent.

As the story goes ...

Amsat-DL informed Amsat- NA of the extra valve on the new type of motor but apparently there was a misunderstanding with the consequence that the offending 'plug' *WASN'T* removed.

Therefore, (as the 'official' story goes) proceedure *wasn't* followed and the fault was 'human error'.

As has already been mentioned by Mak, any flight vehicle must pass a *VERY* stringent proceedure before it gets the green light before take-off, all pre-flight 'tests' are at least !! in duplicate.

A bit strange that nobody noticed the offending plug and red flag 'eh? ... that is, assuming you accept that 'explanation'.

My point was that Amsat-NA didn't do a very good job of laying a smokescreen, with the conflicting reports, it's quite obvious someone somewhere is "fibbing" or ... at best "stretching" the truth ... whom? ... we shall probably never know because the person/people concerned will probably pass the buck anyway.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 21:03:54 +0100
Subject: Re: [eu-amsat] Confirmation.

--- John Hackett <archie.hackett@...> wrote:

> someone at Amsat stuffed up

John, when you use the phrase "AMSAT" which organisation are you refering to,

AMSAT-NA or AMSAT-DL ?

It is not clear from your email.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1517. Forensic analysis

Yahoo group: eu-amsat
Date: 2008-05-07 21:00:50 UTC
From: John Hackett
Topic: 1503 Message: 1517

IMHO, a *VERY* sensible comment from Luc.

The best way to ensure it *DOESN'T* happen again is to document precisely what did !! happen ... and then take measures to ensure it *DOESN'T happen again.

Of course the person/persons responsible for the pre-flight checks would have to go into detail ... did they tick off each item on a piece of paper? ... etc ...

I'm sure !!! the person who made the gaff will own up to it ... (not).

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 7 May 2008 15:50:00 -0400
Subject: [eu-amsat] P3D .Forensic analysis

On 7 May 2008 at 20:10, John Hackett wrote:

>

> To those concerned/interested,

>Bear in mind that a FACT is ... "something that is known" ... it is *NOT* necessarily what actually happened to P3D.

The following are conflicting reports from 3 different organisations based on received tlm about what 'probably' happened.

>

> I think it's safe to assume there *WAS* a gas explosion - as I originally mentioned.

>

> 73 John. <la2qaa@...

>

As usual the devils are in the details. Can we assume there is some missiing here? by purpose! by omission! to protect reputation! by

crappy ignorance! we probably never know but in any case my only hope is that the same "errors" can be prevented but to be prevented they

should be disclose failing to do so will only perpetuate the cycle again and again...

We all have our ways to protect our buddies but when time come to write it on paper it is normal that we can see some minor interpretation

differences but when reading them one after the other few seconds apart instead of days or weeks can just make the discrepancies more

noticeable.

The bottom line seems to be a human error we can live with that but the fear will be always about "who" is this human! it is logical to

believe that we willl not see many rising hands.

End of act one!

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1518. RE: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 21:17:51 UTC
From: Trevor
Topic: 1510 Message: 1518

--- John Hackett <archie.hackett@...> wrote:
> My point was that Amsat-NA didn't do a very good job of laying a smokescreen,
> with the conflicting reports.

Perhaps they weren't trying to lay a smoke screen ?

The events we are talking about occured nearly 10 years ago, All parties
involved will have learnt from it.

What's important now is what happens over the next few years, I'm sure we all
want P3E, Phase-IV Lite and Eagle to be successes.

73 Trevor M5AKA

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1519. Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 21:21:55 UTC
From: John Hackett
Topic: 1488 Message: 1519

Trevor,
Perhaops I have misunderstood something. You said ...

>To quote AMSAT-NA "The Phase IV Lite
>Geosynchronous Payload is planned to
>consist of similar transponders already
>under development for the Phase 3 satellites."

Did I misunderstand? - or was this the Amsat-NA b.o.d.'s *idea* ... or ... as you seem to imply, has there has been an agreement/contract drawn up with Intelsat?.

If there has, I stand corrected and publicly apologise for possible misinformation .. however ... on the other hand, if the above information is only the b.o.d.'s plan/intention - it would be good to know.

Personally, I doubt very much that a commercial company would allow an amateur enterprise to have the space at a fraction of the cost they could get from a commercial venture to LEO. We're talking millions of dollars.

I really don't think Amsat-NA has the clout - despite what they try to impart to the paying public.

73 John. <la2qaa@...

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 21:26:35 +0100
Subject: Re: [eu-amsat] Intelsat and amateur payloads.

--- John Hackett <archie.hackett@...> wrote:

> The Amsat b.o.d. didn't make it clear that the package was for emergency

> communication use only ... nor did they inform the membership of the proposed

> cost.

As AMSAT-NA have said there will be more than one payload.

BTW I don't know where you get the idea that the ACP package is for emergency

use only ?

The Intelsat arrangement offers 400 W of dc power for 15 years, you can do

quite a lot with that.

To quote AMSAT-NA "The Phase IV Lite Geosynchronous Payload is planned to

consist of similar transponders already under development for the Phase 3 satellites."

I wish AMSAT-NA every success in their venture.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1520. RE: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 21:23:53 UTC
From: John Hackett
Topic: 1510 Message: 1520

Trevor,
Absolutely !!! ... it's just that I believe there's a lot of "wishful thinking" clouding the issue.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 22:17:51 +0100
Subject: RE: [eu-amsat] Confirmation.

--- John Hackett <archie.hackett@...> wrote:

> My point was that Amsat-NA didn't do a very good job of laying a smokescreen,

> with the conflicting reports.

Perhaps they weren't trying to lay a smoke screen ?

The events we are talking about occured nearly 10 years ago, All parties

involved will have learnt from it.

What's important now is what happens over the next few years, I'm sure we all

want P3E, Phase-IV Lite and Eagle to be successes.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1521. Re: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 21:34:47 UTC
From: Trevor
Topic: 1488 Message: 1521

--- John Hackett <archie.hackett@...> wrote:
> Perhaops I have misunderstood something. You said ...
>
> >To quote AMSAT-NA "The Phase IV Lite
> >Geosynchronous Payload is planned to
> >consist of similar transponders already
> >under development for the Phase 3 satellites."
>
> Did I misunderstand? - or was this the Amsat-NA b.o.d.'s *idea* ... or ... as
> you seem to imply, has there has been an agreement/contract drawn up with
> Intelsat?.

We may be in danger of misunderstanding each other. I thought the AMSAT-NA statement above was quite plain.

> If there has, I stand corrected and publicly apologise for possible
> misinformation .. however ... on the other hand, if the above information is
> only the b.o.d.'s plan/intention - it would be good to know.

Ask them, the BOD's email addresses are readily available.

> Personally, I doubt very much that a commercial company would allow an
> amateur enterprise to have the space at a fraction of the cost they could get
> from a commercial venture to LEO. We're talking millions of dollars.

Well it looks like they have and we should be glad. I think it safe to assume AMSAT-NA doesn't have a spare $4 million to pay for a launch. Don't under-estimate the importance of Homeland Securtiy.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1522. RE: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 21:48:44 UTC
From: John Hackett
Topic: 1488 Message: 1522

Trevor,
That statement only tells me of a 'plan' - not a contract.

A plan doesn't necessarily mean something *WILL* happen ... and that is my point.

I had planned to be a millionaire by the time I was 30.

I'm 62 and as poor as a church mouse ... which is, incidentally, why I'm still using my original FT-290/790 pair ... albeit, with some home brew gear for auto doppler tuning etc.

Perhaps there *IS* an Amsat-NA/Intelsat contract and I have "missed" the pertinent information.

Er' ba' gum lad, woz that a flying pig I saw?.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 22:34:47 +0100
Subject: Re: [eu-amsat] Intelsat and amateur payloads.

--- John Hackett <archie.hackett@...> wrote:

> Perhaops I have misunderstood something. You said ...

>

> >To quote AMSAT-NA "The Phase IV Lite

> >Geosynchronous Payload is planned to

> >consist of similar transponders already

> >under development for the Phase 3 satellites."

>

> Did I misunderstand? - or was this the Amsat-NA b.o.d.'s *idea* ... or ... as

> you seem to imply, has there has been an agreement/contract drawn up with

> Intelsat?.

We may be in danger of misunderstanding each other. I thought the AMSAT-NA

statement above was quite plain.

> If there has, I stand corrected and publicly apologise for possible

> misinformation .. however ... on the other hand, if the above information is

> only the b.o.d.'s plan/intention - it would be good to know.

Ask them, the BOD's email addresses are readily available.

> Personally, I doubt very much that a commercial company would allow an

> amateur enterprise to have the space at a fraction of the cost they could get

> from a commercial venture to LEO. We're talking millions of dollars.

Well it looks like they have and we should be glad. I think it safe to assume

AMSAT-NA doesn't have a spare $4 million to pay for a launch. Don't

under-estimate the importance of Homeland Securtiy.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1523. RE: [eu-amsat] Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-07 22:15:42 UTC
From: Trevor
Topic: 1488 Message: 1523

--- John Hackett <archie.hackett@...> wrote:
> That statement only tells me of a 'plan' - not a contract.

Amateur radio satellites ? the new reality
http://www.eepublishers.co.za/view.php?sid=11561

Geosynchronous Ham Sats? AMSAT/Intelsat deal paves the way!
http://www.spacedash.com/node/3

"Bob described changes in Department of Defense (DoD) policies that will
require DoD-subsidized launches to allow secondary payloads to fill in
excess launch capacity of the primary mission."
http://radio-amador.net/pipermail/cluster/2008-March/006334.html

I wish those involved in this project every success.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1524. RE: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 22:40:41 UTC
From: Luc Leblanc
Topic: 1510 Message: 1524

On 7 May 2008 at 22:17, Trevor wrote:

> --- John Hackett <archie.hackett@...> wrote:
> > My point was that Amsat-NA didn't do a very good job of laying a smokescreen,
> > with the conflicting reports.
>
> Perhaps they weren't trying to lay a smoke screen ?

It is a possibility? Habeas Corpus

>
> The events we are talking about occured nearly 10 years ago, All parties
> involved will have learnt from it.

It is a normal way of conduct just hope as you the lesson is learned (easy to say when you are a stage coach...)

>
> What's important now is what happens over the next few years, I'm sure we all
> want P3E, Phase-IV Lite and Eagle to be successes.
>

We are in the kockey finals here and when the team does not make the finals often the coach is fired...Matter to discussion here...

More to say but i have to leave the PC a repeater rack mount to move in a 7 storey hospital.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1525. Re: [eu-amsat] Confirmation.

Yahoo group: eu-amsat
Date: 2008-05-07 23:26:34 UTC
From: Thomas Frey
Topic: 1510 Message: 1525

Trevor schrieb:
> --- John Hackett <archie.hackett@...> wrote:
>
>> My point was that Amsat-NA didn't do a very good job of laying a smokescreen,
>> with the conflicting reports.
>>
>
> Perhaps they weren't trying to lay a smoke screen ?
>
> The events we are talking about occured nearly 10 years ago, All parties
> involved will have learnt from it.
>
> What's important now is what happens over the next few years, I'm sure we all
> want P3E, Phase-IV Lite and Eagle to be successes.
>
> 73 Trevor M5AKA
>
>
>
>
I agree with your statement, Trevor. But the nonsense about a defect
valve must go away. This is too simple and destructive. I hope, the
involved person has learned his part.

(I will answer your direct mail later, now I go to bed)

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1526. Intelsat and amateur payloads.

Yahoo group: eu-amsat
Date: 2008-05-08 06:26:15 UTC
From: John Hackett
Topic: 1488 Message: 1526

Hi Trevor,
Thanks for the links, which, naturally I have read before.

Bob posted these 'plans' some time ago on the Amsat-bb.

What I see is speculation, wishful thinking and Amsat b.o.d. 'plans"'... (nothing whatsoever about anything concrete from Intelsat) or the American M.O.D. regarding Amsat ... which is what I implied in my original mail ... wishful thinking.

As I mentioned previously, even if it does happen, I doubt it would happen in my lifetime.

There's a paragraph in the 'plan' that states (words to the effect of) - 'space permitting' - in my opinion, there's the rub, considering what that 'space' could be sold for but you never know, somebody in Amsat might win the American lottery and "donate".

I of course also wish every success to such a venture as the b.o.d. propose and would be extreemly happy to be proved wrong. ... I just don't think it will happen, that's all.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 7 May 2008 23:15:42 +0100
Subject: RE: [eu-amsat] Intelsat and amateur payloads.

--- John Hackett <archie.hackett@...> wrote:

> That statement only tells me of a 'plan' - not a contract.

Amateur radio satellites – the new reality

http://www.eepublishers.co.za/view.php?sid=11561

Geosynchronous Ham Sats? AMSAT/Intelsat deal paves the way!

http://www.spacedash.com/node/3

"Bob described changes in Department of Defense (DoD) policies that will

require DoD-subsidized launches to allow secondary payloads to fill in

excess launch capacity of the primary mission."

http://radio-amador.net/pipermail/cluster/2008-March/006334.html

I wish those involved in this project every success.

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1527. DELFI C 3 SILENT

Yahoo group: eu-amsat
Date: 2008-05-10 15:56:59 UTC
From: Luc Leblanc
Topic: 1421 Message: 1527

Hi Wouter

DELFI C3 was off on the 1636 pass (May 10). He seems to be more and more silent with numerous pass without any transmission or pass with a
short one minutes of data followed by 3 to 4 minutes of silence and sometimes he start to transmit again but with a lot of distortion with
only 2 tone remaining all the other are not present or highly distorted

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1528. AO-7 tlm.

Yahoo group: eu-amsat
Date: 2008-05-11 06:28:56 UTC
From: John Hackett
Topic: 1528 Message: 1528

Apologies folks, forgot to sign the following 'parable' - so you wouldn't have known who to blame.

Crikey, my 'periodic Altzheimers' is accellerating ...

73 John. <la2qaa@...>
.....

Ron,
(and any other interested parties) ... Be aware that 98% of the AO-7 tlm is rubbish. The satellite is has been sending incorrect frames for several years. You can check this yourself by monitoring the 6D parameters.

They should be either 649, 650 or 651. If they are not, the tlm is incorrect.

It has to do (mainly, but not only) with the power budget ... this is why it is imperative certain 'clowns' stop hitting it with too much power. It is essentially a QRP satellite and the 'gentleman' who proclaimed one needed an 80w BRICK, last year on this reflector. is wrong, wrong, wrong.

The following is a recent e-mail to me from Jan King, AO-7's project manager.

(I maintain a rather large database regarding this satellite and have just about all the information available on AO-7 in several maps).

A *LOT* of information is contained on/from The AO-7 Resource Page if one cares to follow the links.

EU-Amsat (c/o SV1BSX) maintains the distance records for AO-7.

The foll0wing is an e-mail from Jan.

73 John. <la2qaa@...>
.....
.....

John.

Telemetry received may be good or bad. You can determine if the telemetry is good by the 6D value. It is the reference voltage for the analog TLM system and it should be around 50. If not, then the remainder of the telemetry will be incorrect.

(clip) Jan King, W3GEY notes that AO-7 had (has?) a very sensitive receiver and a good uplink antenna. 5 watts EIRP should provide a good downlink (clip).

Amplifiers are not required for the uplink. Excessive uplink power may be cause FMing of the transponder and may be causing the input voltage to the regulator that provides 6D to fluctuate causing all telemetry to be bad. AO-7 is almost certainly running only off the solar panels. It is very likely to be on only when in the sun and off in eclipse. Since it

is resetting each orbit it may not come on every time. Reports of hearing the beacon just as it comes out of eclipse would be particularly interesting.

1. Speculation that long term chemical changes in one or more battery cells have led to increased cell resistance enabling the spacecraft to operate while in sunlight are correct and

2. Reports indicating that beacons, telemetry systems, and possibly transponders are operating

Then

The prognosis for long term spacecraft operation are excellent.

Channel Measured Parameter Measurement Range Calibration Equation (Preliminary)
1A Total Solar Array Current 0 to 3000 ma I = 29.5 N (ma)
1B +X Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
1C -X Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
1D +Y Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
2A -Y Solar Panel Current 0 to 2000 ma I = 1970 - 20N (ma)
2B RF Power Out 70cm/2m 0 to 8 watts P = 8(1 - 0.01N)^2 (watts)
2C 24 Hour Clock Time 0 to 1440 min. t = 15.16N (min)
2D Battery Charge/Discharge -2000 to 2000 ma I = 40(N - 50) (ma)
3A Battery Voltage 6.4 to 16.4 V V = 0.1N + 6.4 (volts)
3B Half-Battery Voltage 0 to 10 V V = 0.10N (volts)
3C Bat. Chg. Reg. #1 0 to 15 V V = 0.15N (volts)
3D Battery Temperature -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4A Baseplate Temperature -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4B PA Temp. 2m/10m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4C +X Facet Temp. -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
4D +Z Facet Temp. -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5A PA Temp. 70cm/2m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5B PA Emit. Current 2m/10m 0 to 1167 ma I = 11.67N (ma)
5C Module Temp. 70cm/2m -30 to +50 deg. C T = 95.8 - 1.48N (deg. C)
5D Instrument Sw. Regulator Input Current 0 to 93 ma I = 11 + 0.82N (ma)
6A RF Power Out 2m/10m 0 to 10,000 mw P = (N^2)/1.56 (mw)
6B RF Power Out 70 cm 0 to 1,000 mw P = 0.1(N^2) + 35 (mw)
6C RF Power Out 13 cm 0 to 100 mw P = 0.041(N^2) (mw)
6D Midrange Telemetry Calibration 0.500 V V = 0.01N(0.50 +/- 0.01) (V)

AO-7 telemetry format:

1aa 1bb 1cc 1dd
2aa 2bb 2cc 2dd
3aa 3bb 3cc 3dd
4aa 4bb 4cc 4dd
5aa 5bb 5cc 5dd
6aa 6bb 6cc 6dd
Hi Hi
then these data are valid when 6D is one of 649, 650 and 651.

73 Jan W4GEY/VK4GEY
.....

.

> From: w7lrd@...
> To: AMSAT-BB@...
> Date: Sat, 10 May 2008 18:41:15 +0000
> Subject: [amsat-bb] AO7 telemetry
>
> Hello
> Why does the telemetry on AO7 work sometimes? I ususally take a quick listen, also does it respond to any comands. In my opinion it's the best satellite we have up there! You can actually talk to someone for a reasonable amount of time.
>
>
> --
> 73 Bob W7LRD
> AMSAT member 28498
> Seattle

1529. Another cube RX

Yahoo group: eu-amsat
Date: 2008-05-12 16:07:14 UTC
From: Luc Leblanc
Topic: 1529 Message: 1529

Just near the end of the SEEDS pass i copy another doppler affected CW signal. The short CW transmission start with XIV and strings of
numbers. I think it is CAN X but i don't get a lot of details on their web site.

Signal was quite load to interfere with SEEDS signal?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1530. Re: [eu-amsat] Another cube RX

Yahoo group: eu-amsat
Date: 2008-05-12 16:24:44 UTC
From: Chris Bloy
Topic: 1529 Message: 1530

Hi Luc,

That's one of the Cute satellites.. CO-55 - CO 58..

Thanks,

Chris

-----Original Message-----
From: Luc Leblanc <lucleblanc6@...>
To: amsat-bb@...
Cc: eu-amsat@yahoogroups.com
Date: Mon, 12 May 2008 12:07:14 -0400
Subject: [eu-amsat] Another cube RX

Just near the end of the SEEDS pass i copy another doppler affected CW signal. The short CW transmission start with XIV and strings of numbers. I think it is CAN X but i don't get a lot of details on their web site.

Signal was quite load to interfere with SEEDS signal?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1531. Re: [eu-amsat] Another cube RX

Yahoo group: eu-amsat
Date: 2008-05-12 17:43:34 UTC
From: Luc Leblanc
Topic: 1529 Message: 1531

On 12 May 2008 at 17:24, Chris Bloy wrote:

> Hi Luc,
>
> That's one of the Cute satellites.. CO-55 - CO 58..
>
> Thanks,
>
> Chris
>
>
>
> -----Original Message-----
> From: Luc Leblanc <lucleblanc6@...>
> To: amsat-bb@...
> Cc: eu-amsat@yahoogroups.com
> Date: Mon, 12 May 2008 12:07:14 -0400
> Subject: [eu-amsat] Another cube RX
>
> Just near the end of the SEEDS pass i copy another doppler affected CW
> signal. The short CW transmission start with XIV and strings of
> numbers. I think it is CAN X but i don't get a lot of details on their web
> site.
>
> Signal was quite loud to interfere with SEEDS signal?
>
>

Thank's Chris

It was CO-55 launch in 2003 as per the WEB site telemetry frames start with CUTE but i copy "xiv" ?

"-"

1532. Re: [eu-amsat] Another cube RX

Yahoo group: eu-amsat
Date: 2008-05-12 20:38:01 UTC
From: Thomas Frey
Topic: 1529 Message: 1532

Luc Leblanc schrieb:
> Just near the end of the SEEDS pass i copy another doppler affected CW signal. The short CW transmission start with XIV and strings of
> numbers. I think it is CAN X but i don't get a lot of details on their web site.
>
> Signal was quite load to interfere with SEEDS signal?
>
>
Hello Luc

XI-V is CO-58. When SEEDS has LOS and CO-58 has AOS at the same time, it could be possible, that you can continue with CO-58. The QRG of CO-58 is 437.4637 MHz, from SEEDS it is 437.486 MHz. But both Sats must have an overhead-pass.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1533. SEEDS Packet

Yahoo group: eu-amsat
Date: 2008-05-13 14:09:55 UTC
From: Keith
Topic: 1533 Message: 1533

I using an old MFJ 1278B 1200 baud AX.25 Packet TNC and trying to copy SEEDS packet telemetry. All I'm able to copy is what is a good callsign field but then it looks like the data is all hieroglyphics.

Eg.

cmd:JQ1YGU>JQ1YGV [05/13/08 13:27:46]:
ù□°+h□□□ □ □ À
□
□
□□□□□□□ z□ûÌ²«□D□g□ý □ □ø□d□ □¢□' +

Is anyone getting good, plain text packet copy? Any idea what I'm doing wrong here?

TNX Keith

1534. Organised Chaos.

Yahoo group: eu-amsat
Date: 2008-05-13 17:14:57 UTC
From: John Hackett
Topic: 1534 Message: 1534

In 17 years of satellite operating - and literally thousands of QSO's, I'm proud of the fact that I have actually had 2 - (that's two, folks) - QSO's on FM. I believe the last one was W3SM/OE on AO-27 about 10 years ago.

For want of something better to do today I went outside with my arrow aerial, a MYCOM handheld scanner and a little IC-E91 (also handheld) to have a listen to AO-51 ... (I've heard it described as a "zoo").

I monitored the 16:15Z pass over Russia/LA/Europe/UK and what I heard can only be described as the worst operating I've heard in 41 years of radio.

There were stations battling it out with the mine's bigger than yours mentality, stations "hogging" it, constantly calling CQ, CQ, CQ, CQ, CQ, CQ, CQ, CQ, CQ, CQ ... pause for breath ... CQ, CQ, CQ, CQ, CQ, CQ, CQ, CQ, CQ ... (no callsign given but obviously a Russian station), Several stations replied to this gentleman but he was obviously *NOT* hearing them. There was the 'obligatory' awwwwwla, awwwwwla, awwwwwla, awwwwwwla - (the mic-shy gentleman who can't find his downlink).

(Don't these clowns have receivers ??.....LA2QAA)

AO-51, what a wonderful resource for showing the non-amateur listeners that these operators are fully competant to operate an emergency network like the one mentioned planned for Intelsat.

I'm absolutely convinced !!! Intelsat will welcome such operating with open arms!.

My (non-amateur) neighbour's immediate comment was - "I'm glad my !!! life doesn't depend on you lot, it sounds like a fox loose in a henhouse".

I'm ashamed to say, I absolutely agree with him.

I also sincerely hope that the standard of operating (read: disipline/ proceedure) is better in North America than it is in Europe - actually, I've listened via N1DID and Echolink, as well as the promo video so I know it is.

73 John. <la2qaa@...>

1535. Re: [eu-amsat] SEEDS Packet

Yahoo group: eu-amsat
Date: 2008-05-13 21:58:26 UTC
From: Thomas Frey
Topic: 1533 Message: 1535

Keith schrieb:
> I using an old MFJ 1278B 1200 baud AX.25 Packet TNC and trying to copy
> SEEDS packet telemetry. All I'm able to copy is what is a good
> callsign field but then it looks like the data is all hieroglyphics.
>
> Eg.
>
> cmd:JQ1YGU>JQ1YGV [05/13/08 13:27:46]:
> ?□?+h□□□ ? ? ?
> ?
> □
> ?□□□□□□ z□??□D□g□? □ □?□d□ □?□' +
>
> Is anyone getting good, plain text packet copy? Any idea what I'm
> doing wrong here?
>
> TNX Keith
>
Hello Keith

```
You are doing nothing wrong. It looks like the data is binary.
Switch the TNC in KISS mode: KISS ON. Then open a file (*.kss) in
your terminal program to save the kiss file. This file you can
send then to the controlstation. To reach the CMD mode again, type
Ctrl-C 3 times.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
-----------------------------------------------------------------------

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/
```

1536. FW: [amsat-bb] Organised Chaos.

Yahoo group: eu-amsat
Date: 2008-05-15 06:45:33 UTC
From: John Hackett
Topic: 1536 Message: 1536

Hello Al,
Dave said ... "There is no "COMMUNICATION" on AO-51".

Think about it - a *VERY* profound statement indeed.

My previous post certainly opened up a can of worms ... and about time !!! too.

Dave has 57 years in radio so beats me by 16 years !! ... over 30 of them on satellites so I don't think he's much of a ... err ... newcomer.

73 John. <la2qaa@amsat.org>
.....
.....

> Date: Wed, 14 May 2008 20:54:19 -0700
> To: la2qaa@...
> From: dguimon1@...
> Subject: RE: [amsat-bb] Organised Chaos.
>
>
> >Dave, mate,
> > We're in *TOTAL* agreement ... and I must admnit,
> > you provided me with a phrase that is *VERY* true and one (with
> > your permission) I will repeat on the EU-Amsat reflector as well as
> > my website at <http://www.observations.biz>
> >
>
> John,
> repeat anything I say here anywhere you wish...my shoulders are broad!!
>
> The more it is said, the better...
>
> I think ASMAT-NA is really done with...
>
> It looks like the US itself is becoming third world.
>
> Hope I really didn't waste my life...I spent WWII, Korea and Vietnam
> as a navy carrier fighter pilot,
> been retired for 41 years, guess just getting old and crabby at 86!!
>
> >
>
>
>
> 73, Dave, WB6LLO
> dguimon1@...

>
> Disagree: I learn....
>
> Pulling for P3E...
>

1537. FW: [amsat-bb] Re: Organised Chaos.

Yahoo group: eu-amsat
Date: 2008-05-15 06:49:55 UTC
From: John Hackett
Topic: 1537 Message: 1537

Hello Folks,
Just to show that not everybody !!! on the other side of the pond has been browbeaten into thinking FM satellites are are good idea.

A single user mode is fine for a military closed link but is not very smart when it is to serve many users in the same footprint.

73 John. <la2qaa@...>
.....

> Date: Wed, 14 May 2008 18:05:05 -0800
> To: dguimon1@...; la2qaa@...
> From: kl7uw@acsalaska.net
> Subject: Re: [amsat-bb] Re: Organised Chaos.
> CC: amsat-bb@AMSAT.Org
>
> Dave & John.
>
> It is obvious that there is a whole generation of Leo-FM sat users
> that are clueless of what ham radio on a Heo linear-tranponder is
> like. Although it must be harder than a cell phone since so many
> cannot seem to figure out how to operate on the Leos...I would say it
> is not "much" harder than using the local repeater.
>
> I offer an analogy: Compare all the ham radio contacts that are done
> on HF with the same number of folks trying to talk thru a single FM
> repeater! First it cannot be done; second the attempt results in
> total chaos with "big fish" eating the little fishes!
>
> I am waiting for the next Heo and hoping it survives better than the last one.
>
> 73 Ed - KL7UW
>
> At 12:31 PM 5/14/2008, Dave Guimont wrote:
>
> >John, the operation of FM voice satellites is a travesty for ham radio...
> >
> >I've been licensed for 57 years, on amateur satellites for 33 years
> >(Oscar 7) and the FM voice operation is the most ridiculous
> >aberration I've witnessed in all of amateur radio...Pandemonium
> >exists here also!!
> >
> >It is pretty obvious NO COMMUNICATION exists on AO51,
> >all of their communication is on here. Why do they bother to turn
> >the radio on???

> >
> >Many of us attended AMSAT a lot conventions in an attempt to
> >discourage throwing that money "down the tubes" on FM voice, to no
> >avail. Someone had an "ax to grind", and several of the existing
> >"powers that be" in AMSAT-NA told me to "mind my own business". They
> >were obviously the "ax grinders".
> >
> >FM voice on the amateur satellites is about equal to the same degree
> >of difficulty as a cell phone operation!
> >
> >No wonder our membership is deteriorating.
> >
> >Ancient AO7 and present VO52 hopefully are keeping some interest,
> >until Europe launches P3E....
> >
> >That's where my donations go.....
> >
> >
> >
> >At 10:14 AM 5/13/2008, you wrote:
> >
> > >In 17 years of satellite operating - and literally thousands of
> > >QSO's, I'm proud of the fact that I have actually had 2 - (that's
> > >two, folks) - QSO's on FM. I believe the last one was W3SM/OE on
> > >AO-27 about 10 years ago.
> > >
> > >For want of something better to do today I went outside with my
> > >arrow aerial, a MYCOM handheld scanner and a little IC-E91 (also
> > >handheld) to have a listen to AO-51 ... (I've heard it described
> > as a "zoo").
> > >
> > >I monitored the 16:15Z pass over Russia/LA/Europe/UK and what I
> > >heard can only be described as the worst operating I've heard in 41
> > >years of radio.
> > >
> > >
> > >I also sincerely hope that the standard of operating (read:
> > >disipline/ proceedure) is better in North America than it is in
> > >Europe - actually, I've listened via N1DID and Echolink, as well as
> > >the promo video so I know it is.
> >
> >
> >
> >
> >
> >
> > 73, Dave, WB6LLO
> > dguimon1@...
> >
> > Disagree: I learn....

> >
> > Pulling for P3E...
> >
> >_____
> >Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> >Not an AMSAT-NA member? Join now to support the amateur satellite program!
> >Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

1538. Re: Organised Chaos.

Yahoo group: eu-amsat
Date: 2008-05-15 13:37:39 UTC
From: Luc Leblanc
Topic: 1534 Message: 1538

Reality or fiction!

It is hard to make those who never use AO-40 believe that an HEO is exactly why they use to run for when they get their Ham licence "the
ultimate DX contact."

Ham radio is communication first as the experimenting can be done in any basement up to building and launching rocket and baboon.

Take the communication out and the amateur satellite will be useless. I have more than 800 QSO in my AO-40 log and i made my satellite
DXCC on this bird.

Any LEO sat FM one channel or transponder offer a very limited communication window and range. Called them easy entry sats or anything else
they will remain whet they are short communication window satellite and short range sat.

Personally i found them better than nothing and they are now so EASY that even university students launched them in mass. Over the last
week end i check the HF bands and i contacted a Croatian station only using an inverted V dipole with 100 watts it was EASY too.

Again speaking only "COMMUNICATION" LEO sats will remain a limited communication tool. If DX is still meaning something it is not on the
LEO'S we will experience it.

Exceptions:

AO-7 make some DX possible and the LEO'S on the AOS and LOS edge too but the HT'S are no more reliable as the "EASY SAT" marketing
concept... tends to make us believe.

Focusing only on SDR radios and trying to be ahead of the electronic space science is a noble move but if the price to pay is having to
wait 30 years to see the next HEO in the space will only ended up in a dead end.

Europe HEO'S project seems to be a reachable target in a normal life span...and yes HEO'S are not for the poor man amateur satellite OP
where we need more than QRP power and hand held/rubber duck combo! Cheap combo's will be always big seller... Why do you believe some are
telling us "mind your own business"?

Just see now the AMSAT-NA Dayton last dinner list:

The following people have registered for the AMSAT/TAPR dinner:
Melvin Musulin - 2
Jeff Kelly - 2
Larry Dietrich

Joe Prokop
Brian Gaffney-2
Bob Lumpkins-3
Robert Kunz
Bernard Barnes-2
Scott Cowling-2
Hardmans-8
Mark Kilmartin

Surely a lot of very good folk's but i don't remember having heard them on any satellite recently? (more TAPR than AMSAT'TERS?) but they
are surely very nice people to discuss with in a social club... Did AMSAT-NA is actually a social club more than an amateur satellite
operators and launchers club?

The question remain open!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1539. Valves, faults, opinions & comments...

Yahoo group: eu-amsat
Date: 2008-05-18 13:43:46 UTC
From: SV1BSX
Topic: 1539 Message: 1539

Hi to all,

I am very busy the last period and I was "outside" for a couple of days. Just now I read my Emails from Eu-Amsat Yahoo Group.

Well, I am really surprised with some of them! And even if passed more than a week, I should give an answer.
Some peoples here they have probably received something wrong .

I had a different opinion with someone here about the AO-40's fault. After that I read to commented me about my opinion... Very aggressive.

BTW he wrote that the AO-40's fault was from some forgotten CAP and thus the fuel-valve became faulty.

OK, it's a possible scenario.

But, can I have the *right* to believe something different from the scenario with "Cap & flags"? ??

Definitely I have this right !

He pointed out also about the respect... but probably the same person ignored the RESPECT to the different opinion. To "my" opinion. (I wondering... are you ..."punishing" me because I am not a "Yes Sir" man and I have a different opinion?)

And I wondering also for what all these about... the difference was that, someone said that the fault was from a CAP and my opinion is that, the fault wasn't from the CAP but the valve was faulty from some other cause.

I don't believe the forgotten-cap's scenario... it is my "right" that.

About the "funny" of story, also is my right to believe that the story is funny , because this scenario sounds very unusual. Nobody did not see the CAP, even if the Satellite passed 2 pedantic checklists before the lift-off ! ..... . Extremely strange that as the CAP was marked with a BIG, RBF flag !!!

Personally, I can not imagine a 5 million's Satellite to fly with a... forgotten cap ! It's a story for laughing.
(Are you ..."punishing" me also for my laughing? ....nothing about the "sense of humor" ?)

However, all these scenarios are just scenarios, speculations. Nobody was close enough to Satellite in order to be able ..... to take photos by using a camera. Thus it cannot be proved if the A, B or... "X" scenario is the real one.
All scenarios are open.

Therefore, any opinion is sustainable. Including mine.

The second point is about that I wrote, about "lies".

Definitely someone misunderstood here, I did *NOT* say somebody "liar" ! ! How could I to say that ?

I said that : " 5 million's dollars it's a very good reason for... lies!"

BTW, Al used a different phrase for the same matter on his Email (tks John for QSP).
He wrote:

" I'm sure we'll never be told the full facts".

So... If we don't know the "Full facts" we have not the "Truth". The opposite of the "truth" = "lie".

That exactly I was meaning. My thought was too simple ... and nothing more.

BTW Being Greek, the English-language is not my "forte", it is not my mother-language and I am self-taught in English. Many times I have to open the dictionary in order to find the right word. And many times the word that I can find it is not the best.
(Sorry about that... after the language-confusing-event that took place on the .... "Babel's Tower" , I can't do something better...)

Closing:
I would NOT like this Group to be a place for confrontation between the members. However I considered that some Emails were "over limits".

As the creator and one of the 3 moderators of this Group I would like to have a place in order to exchange not just a few technical infos about Amateur Satellites, but also our ideas, suggestions, opinions for similar matters. With no fear, no censorship. I would like this Group to be a "Free & Open" Reflector for any radio-amateur satellite operator, for any opinion about this Hobby.
But - on the other hand- by keeping the necessary *Respect*. The "Respect" to the different opinion.

In any case - please considered the matter resolved. But also please keep in mind the following significant phrase:

"Even if I disagree with your opinion, I fully support your human right to say your opinion".

That's the point.

If somebody on this Group disagrees with this principle , the "EXIT" is fully open .

Sorry again for your time....

Have a nice Sunday

73, Mak SV1BSX

Eu-Amsat's
Creator/Moderator

1540. Fw: Delfi-C3 status update 18 May 13:00 UTC

Yahoo group: eu-amsat
Date: 2008-05-18 14:56:31 UTC
From: SV1BSX
Topic: 1540 Message: 1540

Sent: Sunday, May 18, 2008 5:14 PM
Subject: Delfi-C3 status update 18 May 13:00 UTC

Hi all,

Another status update on the Delfi-C3 satellite:

1. During the 10:40 UTC pass over the Delfi-C3 groundstation on Thursday 15th of May, the linear transponder was successfully tested and activated for a short time. The CW beacon was received well and subsequently good signals using SSB were received. An audio file of the test can be found at:

http://www.delfic3.nl/photoblog/wp-content/uploads/2008/05/pe4wj_transponder_test.mp3 2. We are currently performing tests while the spacecraft is over our groundstation in order to address the downlink dropout issue. Since we take it step by step, the satellite may still experience downlink dropouts over the coming days. 3. TLE's for object G match best at this moment, we are becoming more and more confident that G is in fact Delfi-C3. 4. Up to this date, we have received over 130000 AX.25 frames from all over the world, thank you very much for your efforts and observations so far! 5. Delfi-C3 has been given an OSCAR number by AMSAT, and is now Also Known As DO-64, which stands for Delfi-C3 OSCAR 64 or Dutch OSCAR 64. It is atrue honour for all team members to have Delfi-C3 join in the long tradition of OSCAR satellites. best 73, on behalf of the Delfi-C3 team, Wouter Jan Ubbels PE4WJ _____

1541. SumbandilaSat

Yahoo group: eu-amsat
Date: 2008-05-19 13:27:01 UTC
From: Thomas Frey
Topic: 1541 Message: 1541

Hello All

I found an article about SumbandilaSat:
http://www.southgatearc.org/news/may2008/sumbandilasat.htm

There was a request some time ago, I think from John.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1542. Re: [eu-amsat] SumbandilaSat

Yahoo group: eu-amsat
Date: 2008-05-19 14:17:19 UTC
From: Simon Brown
Topic: 1541 Message: 1542

A Ham sat launched from a submarine - is this a first ???

Simon Brown, HB9DRV

From: "Thomas Frey" <th.frey@...>
>
> I found an article about SumbandilaSat:
> http://www.southgatearc.org/news/may2008/sumbandilasat.htm
>

1543. Re: [eu-amsat] SumbandilaSat

Yahoo group: eu-amsat
Date: 2008-05-19 16:25:07 UTC
From: Thomas Frey
Topic: 1541 Message: 1543

Simon Brown schrieb:
> A Ham sat launched from a submarine - is this a first ???
>
> Simon Brown, HB9DRV
>
> ----------
> From: "Thomas Frey" <th.frey@...>
>
>> I found an article about SumbandilaSat:
>> http://www.southgatearc.org/news/may2008/sumbandilasat.htm
>>
>>
>
>
>
Hello Simon

This would be the first launch from a submarine. But they have problems
with the Russian Defense Agency. Read more at http://www.amsatsa.org.za/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1544. Re: Kind of Sad AMSAT PARADOX

Yahoo group: eu-amsat
Date: 2008-05-20 05:44:03 UTC
From: Luc Leblanc
Topic: 1544 Message: 1544

On 17 May 2008 at 19:30, Frank H. Bauer wrote:

> I have been an AMSAT-NA member since the early 1982. I have volunteered
> extensively for this organization. And have led several key projects.
> Despite the negativism I have seen lately, I am still VERY PROUD of this
> team and organization.

AS PROBABLY ALL THOSE WHO ALSO VOLUNTEERED THEIR TIME AND WHO WHERE INVOLVED. IF AS SOON AS A COMMENTING IS NOT IN LINE WITH THE ACTUAL
AMSAT-NA PHILOSOPHY IS INTERPRETED AS A NEGATIVE COMMENTING YOU'RE RIGHT WHEN YOU WROTE "Despite the negativism"

It is not perfect.no organization is. But if you
> look at our history, we have done some pretty darn amazing things for a
> volunteer organization---past and present.

HERE YOU RIGHT ON... It is not perfect.no organization is
HERE YOU NOT ENTIRELY RIGHT ALL IS OK MINUS..."and present." and the present mean the last +-5 years

>
> What I find sad are those on amsat-bb that constantly bash AMSAT-NA. They
> provide no help (money or time). And only THEY are right. Are we all that
> short sighted?? I hope not.

CLIENT...CUSTOMERS...USERS...OPERATORS... "SATISFACTION" IS THE KEY WORD HERE. I NEVER HEAR ANY SOUND EXPLANATIONS COMING FROM ANY AMSAT-
NA BOD OR OFFICERS IN YEARS REGARDING THE QUESTIONS AND COMMENTING ALWAYS THE USUAL COPY PASTE ANSWERS..." They provide no help (money or
time)" JUSTIFICATION THROUGH BLACKMALE: YOU DON'T WORK, YOU DON'T SEND MONEY? SHUT YOUR MOUTH AMSAT-NA KNOWS BEST...

"Are we all that short sighted?" I hope not." YES YES AND YES YOU PUT YOUR FINGER EXACTLY WHERE THE PROBLEM IS AND AS SOME ARE CHOOSING TO
VOTE WITH THEIR FEETS THEY RESCPECTFULY CHOOSE THIS ELEGANT FORM INSTEAD OF TELLING WHERE YOU SHOULD PUT THIS FINGER.

> 1) Money

WORK AS ONE INTERNATIONAL AMSAT PUT ONE FUNDING STRUCTURE FOR A REAL HEO SATELLITE, TAKE ONE PROJECT AT A TIME COMPLETE IT AND LAUNCH IT
AND GO FOR THE NEXT ONE

> 2) YOUR volunteer time

WHERE AND WHAT DO YOU NEED? DON'T THROW HOLLOW COMMENTING TELL THE CROWD WHAT EXACTLY IS MISSING THOSE WHO ARE AS YOU SAID "short sighted"
WILL BE AWARE OF YOUR NEEDS.

> 3) Some additional leaders to bring these projects to fruition.

YES YES AND AGAIN YES 2 IN 2 BUT THAT'S WHERE THE MAIN PROBLEM IS AMSAT-NA BECAME AND IS NOW A SENIOR SOCIAL CLUB. UNIVERSITY STUDENTS ARE
LAUNCHING SATELLITES AT A RATE NEVER EXPERIENCED BY AMSAT-NA "past and present" LOOK AT THEIR PROJECT EG:

http://sat.aero.cst.nihon-u.ac.jp/
http://cubesat.auc.dk/
http://aausatii.space.aau.dk/
http://cubesat.arizona.edu/
http://www.bluesat.unsw.edu.au/
http://www.colorado.edu/ASEN/project/camcube/CamCube.htm
http://www.utias-sfl.net/nanosatellites/CanX1/CanX1Index.html
http://dtusat.dtu.dk/
http://www.raumfahrt.fh-aachen.de/
http://home.katysat.org/
http://kysat.com/
http://swisscube.epfl.ch/
http://www.lr.tudelft.nl/live/pagina.jsp?id=2336b82d-6a37-4f90-9662-6df66e495195&lang=en

MR BAUER AND AMSAT-NA BOD OFFICERS YOU ARE STUCK IN YOUR OWN INDIVIDUAL SELFISH AMATEUR SPACE PROJECT (PART OF THE AMSAT-NA PARADOX) YOU
DON'T LISTEN YOUR MEMBERSHIP YOU ASK FOR MONEY AND VOLUNTEERS JUST NOTE THAT STUDENT "THE KIDS" AREN'T TOO YOUNG FOR SATELLITES THE AMATEUR

RADIO SATELLITE FUTURE IS RIGHT THERE JUST UNDER YOUR EYES AND YOU ARE TOO SHORT SIGHTED OR STUPID TO EVEN TRY TO CHANGE THE AMSAT-NA
PHILOSOPHY.

INSTEAD OF LOOSING YOUR TIME BEHIND TABLES IN HAMFEST ASK YOU HUGE LIST OF AMSAT-NA COORDINATOR TO ENTER IN CONTACT WITH THEM AND ASK THEM
IF THEY CAN OFFER YOU SOME SUPPORT? IT'S A POSITIVE COMMENTING LETS SEE IF YOU CAN MAKE THE MOVE?

IF YOU STILL BELEIVE AMSAT-NA IS THE ONLY SPACE BUILDING AND LAUNCHING VOLUNTEER GROUP YOU'RE COMPLETELY WRONG. BUT SOME OF YOU ARE
SILENTLY STARTING TO UNDERSTAND IT1 THEY ARE NOW LOOKING TOWARDS COMMERCIAL INTEREST BEGGING FOR A RIDE AND A PLACE IN THEIR
LAUNCHER...SIGN OF THE TIME?

WITH NO TIME FRAME FOR THE NEXT HEO, WITH NO ACTUAL STATE OF COMPLETION, WITH NOTHING MORE TO ASK OTHER THAN MONEY IT WILL BE HARD TO
CONVINCE THOSE WHO WROTE THIS BELOW TO JOIN YOU:

Space (vehicle) engineering is a field where state of the art technologies are applied every day.
It is an exciting profession in which physical sciences, mathematics, and computers are combined in the design of space (vehicle) systems
and their components to achieve high performance with limited size and weight. The chair Space Systems Engineering (SSE) of the Faculty of
Aerospace Engineering (AE), TU-Delft, aims to educate future academic engineers in the field of space and spacecraft systems engineering.

Source:http://www.lr.tudelft.nl/live/pagina.jsp?id=2336b82d-6a37-4f90-9662-6df66e495195&lang=en

TO ANSWER YOUR QUESTION MR BAUER " Are we all that short sighted?? IF YOU ASKED YOUR QUESTION FOR AMSAT-NA BOD AND OFFICERS
ME TOO "I hope not" BUT WHEN THOSE WORLDWIDE STUDENTS READ HOW YOUR PRESIDENT IS MANADGING AND ACCEPTING OTHERS OPINIONS EG:

On 29 Apr 2007 at 14:29, Rick Hambly (W2GPS) wrote:

> Luc,
>
> I need to inform you that messages of this type will no longer be tolerated.
> AMSAT-BB
>
>
> I am sorry to have to take this action and I do not wish to create conflict
> but your messages are being read by people in a position to be very helpful
> to AMSAT's ability to build and launch satellites and they are not pleased.
> If you wish to criticize this or any other AMSAT action, please direct those
> comments to the responsible individuals rather than the AMSAT-BB list.
>
> Rick
> W2GPS
> AMSAT LM2232

I THINK IF YOU WANT TO RECRUIT FORCES OUTSIDE AMSAT-NA YOU WILL HAVE HARD TIME.

ONE SUGGESTION BEFORE TOO MUCH HARM WILL BE DONE JUST START WITH A NEW PRESIDENT IT WILL BE AT LEAST A GOOD MARKETING SHOT...
BUT I ALSO UNDERSTAND THAT YOU OBEY TO THIS MOTO "BETTER THE DEVIL YOU KNOW THAN THE DEVIL YOU DON'T" HERE I AGREE WITH YOU COMPLETELY...
BUT MOTO ARE OFTEN FULL OF LIES. LEST CALLED THIS "Some additional leaders" ISSUE THE AMSAT-NA PARADOX.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1545. Respect.

Yahoo group: eu-amsat
Date: 2008-05-20 17:43:38 UTC
From: John Hackett
Topic: 1545 Message: 1545

To everyone in the EU-Amsat group.

While this reflector is an "open" reflector and people are "ENCOURAGED" to have their own opinions and state them ... it is imperative that such an opinion BE STATED as a "personal opinion" ... further ... "sensitive" material should also be stated as a particular author's PERSONAL OPINION.

Verbal "personal" attacks on any individual will not - I repeat - *WILL NOT* be tolerated UNDER ANY CIRCUMSTANCES.

There are 3 keywords Gentlemen ...

1) Respect.

2) Respect.

3) Respect.

73 John. EU-Amsat moderator. <la2qaa@...>

1546. Re: [eu-amsat] Respect.

Yahoo group: eu-amsat
Date: 2008-05-20 21:33:28 UTC
From: SV1BSX
Topic: 1545 Message: 1546

..... I subscribe !

73, Mak. EU-Amsat moderator.
sv1bsx@...

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Tuesday, May 20, 2008 8:43 PM
Subject: [eu-amsat] Respect.

To everyone in the EU-Amsat group.

While this reflector is an "open" reflector and people are "ENCOURAGED" to have their own opinions and state them ... it is imperative that such an opinion BE STATED as a "personal opinion" ... further ... "sensitive" material should also be stated as a particular author's PERSONAL OPINION.

Verbal "personal" attacks on any individual will not - I repeat - *WILL NOT* be tolerated UNDER ANY CIRCUMSTANCES.

There are 3 keywords Gentlemen ...

1) Respect.

2) Respect.

3) Respect.

73 John. EU-Amsat moderator. <la2qaa@...>

1547. Re: Respect.

Yahoo group: eu-amsat
Date: 2008-05-21 09:59:47 UTC
From: Bratu Florian Gabriel
Topic: 1545 Message: 1547

Me to. Is ok to not forget that we are humans.
And a question. I heard DelfiC3 with 559 or 569 but i have no entering in RASCAL. Is enebody make reception wiyh RASCAL?

1548. Re: [eu-amsat] Rascal

Yahoo group: eu-amsat
Date: 2008-05-21 11:37:07 UTC
From: SV1BSX
Topic: 1548 Message: 1548

----- Original Message -----
From: "Bratu Florian Gabriel" <yo9gjx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, May 21, 2008 12:59 PM

> I heard DelfiC3 with 559 or 569 but i have no entering
> in RASCAL. Is enebody make reception wiyh RASCAL?

....yes - works fine. The only problem with RASCAL is that, it's a bit
difficult to find & lock the centre frequency of receiving audio.
A good combination it's a 2nd program with a waterfall (like MixW),
which running together with RASCAL.

Thus you have a great hepl.

73, Mak SV1BSX

1549. Re: [eu-amsat] Rascal

Yahoo group: eu-amsat
Date: 2008-05-21 14:32:20 UTC
From: Thomas Frey
Topic: 1548 Message: 1549

SV1BSX schrieb:
> ----- Original Message -----
> From: "Bratu Florian Gabriel" <yo9gjx@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Wednesday, May 21, 2008 12:59 PM
>
>
>
>
>> I heard DelfiC3 with 559 or 569 but i have no entering
>> in RASCAL. Is enebody make reception wiyh RASCAL?
>>
>
>
> ....yes - works fine. The only problem with RASCAL is that, it's a bit
> difficult to find & lock the centre frequency of receiving audio.
> A good combination it's a 2nd program with a waterfall (like MixW),
> which running together with RASCAL.
>
> Thus you have a great hepl.
>
> 73, Mak SV1BSX
>
>

tune to or near 1600 Hz in the 2nd program.

Mit freundlichen Gru"ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1550. Fw: [amsat-bb] Re: Organized Chaos

Yahoo group: eu-amsat
Date: 2008-05-21 22:59:29 UTC
From: SV1BSX
Topic: 1550 Message: 1550

----- Original Message -----
From: "Keith Baker KB1SF/VA3KSF" <kb1sf@kcbassociates.com>
To: <amsat-bb@...>
Sent: Thursday, May 22, 2008 1:10 AM
Subject: [amsat-bb] Re: Organized Chaos

John,

the operation of FM voice satellites is a travesty for ham radio... I've been licensed for 57 years, on amateur satellites for 33 years (Oscar 7) and the FM voice operation is the most ridiculous aberration I've witnessed in all of amateur radio...
Pandemonium exists here also!! It is pretty obvious NO COMMUNICATION exists on AO51, all of their communication is on here.

Why do they bother to turn the radio on??? Many of us attended AMSAT a lot conventions in an attempt to discourage throwing that money "down the tubes" on FM voice, to no avail. Someone had an "ax to grind", and several of the existing "powers that be" in AMSAT-NA told me to "mind my own business".

They were obviously the "ax grinders". FM voice on the amateur satellites is about equal to the same degree of difficulty as a cell phone operation! No wonder our membership is deteriorating.

Ancient AO7 and present VO52 hopefully are keeping some interest, until Europe launches P3E.... That's where my donations go.....

Dave,

As one of those who was present at the "birth" of AO-51 (we called it "Echo" back then), I respectfully have todisagree with your assertions. I can assure you that nobody had an "ax to grind" in thatdecision. To the contrary, if you will recall, at that time wehad all but lost most of P3-D's on-orbit capabilities. Organizationally, our morale was very low.

What's more, the BOD and officers were presented with a unique cooperative venture that offered our membership a new LEO satellite, complete with launch, for a relatively small outlay of capital resources. Naturally, we jumped at the chance.
And, while FM operation may not be your particular "cup of tea" (and most of us operating there would MUCH prefer to have an HEO to play with), at least for the foreseeable future, an operational HEO on orbit is simply not in the cards. What's more, as Bob Bruninga has so eloquently pointed out, the FM - birds DO serve a purpose in creating excitement among the general Ham population as well as serving as the entry point into more serious satellite operation for those who choose to engage in satellite conversations that offer something more than just a quick "hello and goodbye".
As far as our declining AMSAT membership is concerned, while regrettable, I'm convinced this is simply just another reflection of the declining popularity of Amateur Radio in

general.

In case you hadn't noticed it, Dave, our Amateur Service is now, quite literally, dying. That's because our average age is approaching (and will soon surpass) age 60.

I learned long ago that it is far easier to tear a house down than it is to build one. And sitting on the sidelines and passing judgment on decisions that have LONG since been made serves no purpose other than to create bad feelings all around.

I'm sure the current officers and BOD members of all of our AMSAT organizations are doing their level best to get an HEO bird into orbit just as soon as they possibly can.

However, we all must remember this is 2008, not 1968. The "space biz" has fundamentally changed into a multi-billion dollar, multi-national, military-industrial grab-bag of commercial launch companies, complete with an ever more dizzying array of government-induced, bureaucratic restrictions and regulatory limits regarding who (and/or what) can put which payload into Earth orbit.

The bottom line here is that the days of "free" (or nearly free) and unencumbered satellite launches into Earth orbit are long since over. The sooner today's AMSAT members recognize and accept those fundamental changes that have occurred in a business that their predecessors in AMSAT largely helped create, the better off everyone will be.
And if operating on our FM birds continues to give you heartburn, then may I suggest you (and others so 'heartburned") simply not operate on them?

73, Keith BakerKB1SF / VA3KSF
Past President and BOD MemberAMSAT-NA

1551. WorldWideTelescope

Yahoo group: eu-amsat
Date: 2008-05-21 23:46:08 UTC
From: SV1BSX
Topic: 1551 Message: 1551

Hi all,

without a... HEO, sometimes we looking for something interesting to spend our time.

The WorldWide Telescope (WWT) is a Web 2.0 visualization software environment that enables your computer to function as a virtual telescope-bringing together imagery from the best ground and space-based telescopes in the World for a seamless exploration of the universe.

Visit... and enjoy it! It's amazing.

http://www.worldwidetelescope.org/

73 de Mak, SV1BSX

1552. RE: [eu-amsat] Fw: [amsat-bb] Re: Organized Chaos

Yahoo group: eu-amsat
Date: 2008-05-22 06:16:41 UTC
From: Iain McKeracher
Topic: 1550 Message: 1552
Attachments: 2 described; binary payloads are missing from this source WARC

Keith,

I would like say that I agree with all your comments. FM satellites are a waste of money. I believe Linear Transponders and HEO orbit satellites are the future!

Iain McKeracher - G3RSI and 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of SV1BSX
Sent: 22 May 2008 01:59
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Fw: [amsat-bb] Re: Organized Chaos

----- Original Message -----

From: "Keith Baker KB1SF/VA3KSF" < <mailto:kb1sf@...> kb1sf@...>

To: < <mailto:amsat-bb@...> amsat-bb@...>

Sent: Thursday, May 22, 2008 1:10 AM

Subject: [amsat-bb] Re: Organized Chaos

John,

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The bottom line here is that the days of "free" (or nearly free) and unencumbered satellite launches into Earth orbit are long since over. The sooner today's AMSAT members recognize and accept those fundamental changes that have occurred in a business that their predecessors in AMSAT largely helped create, the better off everyone will be.

And if operating on our FM birds continues to give you heartburn, then may I suggest you (and others so 'heartburned") simply not operate on them?

73, Keith BakerKB1SF / VA3KSF

Past President and BOD MemberAMSAT-NA

1553. DX on AO-7.

Yahoo group: eu-amsat
Date: 2008-05-22 10:20:19 UTC
From: John Hackett
Topic: 1553 Message: 1553

For those interested in DX.

I just worked Sergey UA0ZS again in Petropavlovsk Kamchatskiy on AO-7 (orbit 53384) in CW ... which beats the cr*p out of 599 and how's your father? ... on AO-51 (FM).

For the non-geographic orientated, Petropavlovsk Kamchatskiy province is immediately north of Japan.

You could spit !!! that far from North America (Alaska) ... but from Frei Island (Norway) it's a 'reasonable' distance for a LEO contact.

Yes, Russia is a "rather large" country.

(It's the biggest country in the world, you wanker.....GM1SXX).

73 John. <la2qaa@...>

1554. Re: [eu-amsat] DX on AO-7.

Yahoo group: eu-amsat
Date: 2008-05-22 10:45:19 UTC
From: SV1BSX
Topic: 1553 Message: 1554

Hi John,

Congrat's for that ! According to TinyLocator the distance is about 6858 Km !
It is not a new record, however I think it must be into the first ten "Best DX QSOs" via AO-7.

Well done !

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@... ; amsat-bb@... ; ua0zs@...
Sent: Thursday, May 22, 2008 1:20 PM
Subject: [eu-amsat] DX on AO-7.

For those interested in DX.

I just worked Sergey UA0ZS again in Petropavlovsk Kamchatskiy on AO-7 (orbit 53384) in CW ... which beats the cr*p out of 599 and how's your father? ... on AO-51 (FM).

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Yes, Russia is a "rather large" country.

(It's the biggest country in the world, you wanker.....GM1SXX).

73 John. <la2qaa@...>

1555. Re: [eu-amsat] DX on AO-7.

Yahoo group: eu-amsat
Date: 2008-05-22 21:44:50 UTC
From: Kostas Ioannidis
Topic: 1553 Message: 1555

Awesome!!!

73 de sw1ixp

1556. Fw: [amsat-bb] Re: Organized Chaos

Yahoo group: eu-amsat
Date: 2008-05-23 11:18:15 UTC
From: Bratu Florian Gabriel
Topic: 1550 Message: 1556

Ok is possible to have right and is ok if you are a static fellow.
If you travell very much in special in mountains or wilde zones expeditions (without car, house, family, dog, cat etc.) where the cell phones are dead and you are depending on a simple baterry or a small solar panel you will know that fm LEO satellites are great. The real problem is the operators not the birds. Hi
Also that kind of problems are comun for HF bands and i think will be also for HEO... etc...
PS: Education is the fundament of civilisation

1557. Re: [eu-amsat] Fw: [amsat-bb] Re: Organized Chaos

Yahoo group: eu-amsat
Date: 2008-05-23 14:24:49 UTC
From: Thomas Frey
Topic: 1550 Message: 1557

Bratu Florian Gabriel schrieb:
> Ok is possible to have right and is ok if you are a static fellow.
> If you travell very much in special in mountains or wilde zones
> expeditions (without car, house, family, dog, cat etc.) where the cell
> phones are dead and you are depending on a simple baterry or a small
> solar panel you will know that fm LEO satellites are great. The real
> problem is the operators not the birds. Hi
> Also that kind of problems are comun for HF bands and i think will be
> also for HEO... etc...
> PS: Education is the fundament of civilisation
>
>
Hello Florian

I have read now the whole thread, here and on -BB. I come to the
conclusion, you are absolutely right.

We can only hope for a much better operating discipline on AO-51. And
that the "alligators" die out.

BTW if you hate FM-sats, you can here make a Mode suggestion:
http://www.amsat.org/amsat-new/echo/CTNews.php
The mode for PSK31 on 10m Uplink was never established and USB up /
FM down only a few times.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1558. UNIVERSAT symposium. Moscow.

Yahoo group: eu-amsat
Date: 2008-05-23 16:49:12 UTC
From: John Hackett
Topic: 1558 Message: 1558

Al,
Please add this notice to Observations.
.....
..

Call for papers. UNIVERSAT Space Symposium. Moscow,

Members of EU-Amsat, Amsat-UK, Amsat-NA and anyone else interested in Amateur radio satellites are cordially invited to submit papers on space related subjects - particularly cubesats in education - to The third International Symposium UNIVERSAT-2008, which is organised by the Skobeltsyn Institute Of Nuclear Physics, Lomonosov Moscow State University - which will take place on September the 1st to the 6th, 2008 at the Conference Halls of The Moscow State University Boarding Houses in Zvenigorod, Moscow Region, Russian Federation.

Details can be seen at <http://cosmos.msu.ru/universat2008/>

Papers and/or queries should be submitted to Alezander Zeitsev RW3DZ <zaitsev@...>

The deadline for papers is May the 31st but extensions may be possible.

This is an excellent forum for satellite interested individuals to take part in an international space symposium as well as discuss the possibility and prospects for future projects and launch opportunities.

On behalf of RW3DZ and the forthcoming space symposium ...

73 John. <la2qaa@...>

Homepage: <http://www.observations.biz>

This notice is submitted to EU-Amsat and the Amsat-bb.

It also appears on http://www.observations.biz

1559. Moscow Space Symposium.

Yahoo group: eu-amsat
Date: 2008-05-23 17:02:18 UTC
From: John Hackett
Topic: 1559 Message: 1559

Notabene ... (NB, to you!).

Regarding contacting Alexander Zaitsev for the Moscow Space Symposium.

If the @... address bounces your mail ... you may use this one.

zait007@...

73 John. <la2qaa@...>

1560. Re: [amsat-bb] Re: Phase 3-E Launch date?

Yahoo group: eu-amsat
Date: 2008-05-24 11:49:04 UTC
From: Luc Leblanc
Topic: 1560 Message: 1560

On 23 May 2008 at 21:00, Dave Guimont wrote:

>
> >
> >Hi Keith, KB1SF / VA3KSF
> >
> >I am very surprised that you as a Past President AMSAT-NA are asking to this
> >people on this BB about the launch date of P3-E
> >
> >
> >
> >Luc Leblanc VE2DWE says on this BB
> >
> > > WORK AS ONE INTERNATIONAL AMSAT PUT ONE FUNDING
> > > STRUCTURE FOR A REAL HEO SATELLITE, TAKE ONE PROJECT
> > > AT A TIME COMPLETE IT AND LAUNCH IT
> > > AND GO FOR THE NEXT ONE
> >
> >and also he says
> >
> >"13 rail wagon passing by and I still wait....."
> >
>
> I keep getting severe criticism for putting "all the eggs" in the P3E
> basket, but that is where they belong...
>
> My meager contributions go there...
>
> The money AMSAT-NA wasted on AO-51 should have been put there, and a
> lot of us tried to make that happen years ago to to no avail...
>
> Most of the world is pretty well aware!!
>
> Dom, how about another announcement to direct that contribution to P3E??
>

As funding is an issue trying to circumvent it without facing the problem will only add more delays. I keep hammering on the same nail
since AO-40 became silent.It's not a question of seeing "13 rail wagon passing by" as we already are on the side track stuck in the void.

Yes we are not builders
Yes we can add more personal funds

But at least we are operators the basic minimum could be? and yes we still can voices our opinions even if they don't please everyone.

Some university student ask for help here on this BB and they seems to get some but is it not logical for the AMSAT'S to developed
a kind of partnership with them? make US more visible. If we are focusing our "marketing campaign" only on our aging ham community i
honestly believe we are missing a lot in recruiting.

Adding new blood with new ideas is a part of the solution but are we open enough to make room for them?

I let the conclusion yours!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1561. Yubileiny: New Amateur Satellite ?!?

Yahoo group: eu-amsat
Date: 2008-05-24 17:11:39 UTC
From: SV1BSX
Topic: 1561 Message: 1561

Hi all,
according to various sources including Amsat-BB, a new "unknown" Russian Satellite which carrying
a Mode-J Transponder (145/435 MHz) is already on Earth orbit !

http://www.npopm.com/?cid=242

The footprint of this object is GREAT.. about the same or slightly higher than AO-7 !

RS-style CW telemetry on ~435.315 using callsign RS-30 has been reported by
W0RPK (Amsat-BB, unconfirmed info).

We don't know yet if the transponder is for public-Radio amateur use. However,
we hope for a 2nd ... unexpected gift, like HAMSAT (VO-52) !

"Stay tuned ~435.315" !

Have a nice weekend

73 de Mak, SV1BSX

PS:

Yubileiny
1 32957U 08025E 08144.85610631 .00000009 00000-0 00000+0 0 10
2 32957 082.4995 138.9551 0200867 272.6626 085.1347 12.77650736 14

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1562. New Sat.

Yahoo group: eu-amsat
Date: 2008-05-24 17:29:37 UTC
From: John Hackett
Topic: 1562 Message: 1562

Apparently, several people were surprised at the launch of the new Russian satellite.

Interested parties might like to check out "Observations From Russia" (you can't miss it) on the <http://www.observations,biz> website of
LA2QAA & GM1SXX.

NB.

GM1SXX does all the donkeywork - LA2QAA just sits back and takes all the credit.

Next time, click on Observations, before opening 'gob'.

73 John. <la2qaa@...>

1563. Re: [eu-amsat] Yubileiny: New Amateur Satellite ?!?

Yahoo group: eu-amsat
Date: 2008-05-24 18:40:23 UTC
From: Kostas Ioannidis
Topic: 1561 Message: 1563

Well, that is UNEXPECTED!!!!!!! I secret amateur satellite???

73 de sw1ixp

1564. Re: [eu-amsat] Yubileiny: New Amateur Satellite ?!?

Yahoo group: eu-amsat
Date: 2008-05-24 18:48:21 UTC
From: Kostas Ioannidis
Topic: 1561 Message: 1564

Do we have tle for this sat?

73 de sw1ixp

1565. Re: [eu-amsat] Yubileiny: New Amateur Satellite ?!?

Yahoo group: eu-amsat
Date: 2008-05-24 20:37:45 UTC
From: SV1BSX
Topic: 1561 Message: 1565

Oups! the previous Keps is probably NOT correct! Try this one:

Yubileiny
1 32955U 08025C 08145.10180017 .00000010 00000-0 00000+0 0 20
2 32955 082.5031 138.5641 0019114 306.5063 053.4208 12.43247202 67

----- Original Message -----
From: "Kostas Ioannidis" <kostas.ioannidis@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, May 24, 2008 9:48 PM
Subject: Re: [eu-amsat] Yubileiny: New Amateur Satellite ?!?

> Do we have tle for this sat?
>
> 73 de sw1ixp
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1566. GOVORIT Yubileiny

Yahoo group: eu-amsat
Date: 2008-05-25 06:02:47 UTC
From: Luc Leblanc
Topic: 1566 Message: 1566

The official Federal Space Agency site

http://www.npopm.com/?cid=news_ivent&nid=61

About the name "Yubileiny"

http://www.airspacemag.com/space-exploration/sputnik_creator.html

Mikhail Tikhonravov, one of the most puzzling figures in the Soviet space program. Although few Westerners have heard of him,
it is quite likely that without him, the Soviet Union would not have inaugurated the Space Age 50 years ago
Tikhonravov had lived and worked for many years in the Moscow suburb of*****Yubileiny*****.
For decades during the cold war, Yubileiny was a closed area.
The town was so secret it did not appear on any maps and few Muscovites even knew it existed.
It was the site of the most sensitive space organizations in the former Soviet Union.

In the FSA archive we can read about "International cooperation" Did someone speak about that lately!!!

http://www.npopm.com/?cid=23

45KG It's the equivalent mass of 45 Cube sats!!! What they put in this Box?
PUZZLE...SURPRISED!!! As usual the Russian style they build
silently they build long lasting vehicules even if they still use lighter fuel to propel them.

"There is those who speak and those who act"
From Cul Cnalbel a prolific C writer

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1567. AO-7 DX seekers.

Yahoo group: eu-amsat
Date: 2008-05-25 08:11:02 UTC
From: John Hackett
Topic: 1567 Message: 1567

Hello Folks,
Nice signals from UA0ZS Sergey in Petropavlovsk Kamchatskiy again this morning.

For those wishing to work Sergey please be aware, like me, he is plagued by high mountains and may 'disappear' in the middle of a QSO - (when the satellite is blocked by a mountain) - also like me, at times Sergey may be using knife-edge propagation - so please bear this in mind.

73 John. <la2qaa@...>

1568. At your service Gentlemen.

Yahoo group: eu-amsat
Date: 2008-05-25 09:44:37 UTC
From: John Hackett
Topic: 1568 Message: 1568

Hi John,
There are several "versions" doing the rounds ... according to Galina the 'correct' one is ... yeb-leen-ya ... there's a 'story' behind the name ... former rocket scientist etc ...

I'll post this on the EU-Amsat reflector then if Alex, Igor or Sergey care to correct me I'll beg forgiveness and right any wrongs.

Unlike English and many other foreign languages there are no "dialects" in Russian. They speak precisely the same way in Moscow and Vladivostock.

UA0ZS Sergey has been quite active lately from Kamchatskaiya (north of Japan). I'm sure you know what kind of strategic place that !! is (Pacific nuclear sub fleet).

Never been there myself but I have been to the non-existant air force base at ENGELS just across the Volga from SARATOV - (home of Yuri Gagarin).

My ex: wife is from Saratov so I had a "personal" guide. Her son was attached to the (doesn't exist) aircraft establishment in Saratov.

Not bad for an ex: NATO "squaddie" ... he he he he.

According to Galina, my Russian leaves *A LOT* to be desired.

73 John.
.....

> From: g7hia@...
> To: la2qaa@AMSAT.Org
> Subject: Re: [amsat-bb] Moscow Space Symposium.
> Date: Sat, 24 May 2008 21:54:39 +0100
>
> Hi John,
>
> As a Rusian speaker, could you give me the phonetics for the new satellite
>
> YEBILEINY
>
> 73 John G7HIA

1569. Observations from Russia.

Yahoo group: eu-amsat
Date: 2008-05-25 10:19:38 UTC
From: John Hackett
Topic: 1569 Message: 1569

Privet my friends,
I have started a new folder on the 'Observations' website at <http://www.observations.biz> called OBSERVATIONS FROM RUSSIA.

The idea here is to share information pertaining to amateur satellites, other space related subjects and/or any other amateur radio interests, whatever they may be.

You do NOT !!! have to be an 'expert' or a professional writer to contribute ... all items, no matter how small, are welcome ... tell us about your equipment, what antennas are you using?, how is your location? ... (for instance Sergey UA0ZS is surrounded by mountains so operating satellites is not so easy) ... do you operate everyday? ... anything and everything is of interest ... (look at the other observations) ...what have you built lately?, is equipment easy or hard to get in Russia?.

If your English isn't perfect, don't worry !!! - my Russian is terrible ...
I can correct, edit and translate your contributions if necessary.

Please feel free to pass along this e-mail to your friends.

Your e-mail contributions are most welcome.

The idea is for sharing common interest information freely ... in the true spirit of amateur radio.

Have a good day my friends.

73 John. <la2qaa@...> EU-Amsat moderator.

Homepage: <http:www.observations.biz>

1570. Speculation.

Yahoo group: eu-amsat
Date: 2008-05-25 11:27:01 UTC
From: John Hackett
Topic: 1570 Message: 1570

Clunk! ... brain's ON ... whirrrr ... brains in gear ...

Can you imagine a linear transponder on a satellite with an orbit like the Russian Jubilee satellite - (RS-30).

Well ... now you know the Russians "go there.

... and before you all start "rushing" (Russian) to get all matey with Amsat.ru, relax !!!
... La2qaa has already taken the first steps.

73 John. <la2qaa@...>

1571. A late Jubilee.

Yahoo group: eu-amsat
Date: 2008-05-25 14:37:39 UTC
From: John Hackett
Topic: 1571 Message: 1571

As of Sunday the 25th of May there is no mention of the Russian Jubilee satellite on either the Amsat-NA or the Amsat-UK pages.

Mentions and references have been made on the Amsat-bb and there has been an 'Observations from Russia' with pertinent details on the 'Observations' web page at <http://www.observations.biz> for two days now.

Yes, I know ... it's a voluntary 'free-time' thing.

So is OBSERVATIONS.

The ANS did manage to carry my original posting re: The Moscow Space Symposium, albeit, credited Alexander Zaitsev from his personal mail to me ... better than nothing I suppose.

73 John <la2qaa@...>

1572. Re: Yubileiny(RS30) strange signal

Yahoo group: eu-amsat
Date: 2008-05-26 17:00:34 UTC
From: SV1BSX
Topic: 1572 Message: 1572

Hi all,

I heard this afternoon YUBI'y on asceding orbit over E.Europe (14:30 Z).
Signals were 53-57 with just a 6 El Yagi horizontal polarized.

BTW the receiving signal remains to me the..... Woody - Woodpecker !!!
(if you put the Mode to USB.)

The signal was easily received during the whole pass @ 435.312,
without signifficant fading.
I observed also that the Doppler-drift was minimal - no significant for
USB, so I think the transmitting signal is probably FM.

I used an external MIC for the recording. In practice the audio was very
good.
I noticed that the transmittion following a tempo , about 60 sec "Woody", 4
sec pause, again 60 sec "Woody", 4 sec pause... etc etc.

A small audio sample is here:

http://sv1bsx.50webs.com/yubi/yubimp3.mp3

73, Mak SV1BSX

----- Original Message -----
From: "Mineo Wakita" <ei7m-wkt@...>
To: <amsat-bb@...>
Sent: Monday, May 26, 2008 2:35 PM
Subject: [amsat-bb] Yubileiny(RS30) strange signal

>
> I heard today the strange signal like WeatherSat or RTTY
> from Yubileiny(RS30) at 435.315MHz.
> http://www.ne.jp/asahi/hamradio/je9pel/80526yub.wav
>
> de JE9PEL, Mineo Wakita
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

1573. RE: [eu-amsat] Re: Yubileiny(RS30) strange signal

Yahoo group: eu-amsat
Date: 2008-05-26 17:27:51 UTC
From: Dimitrios Pallis
Topic: 1572 Message: 1573

i heard yubileiny too.... very clear audio and good signals about s3-s5.
i was excited!!!! its sounds to me like sputnik
http://im.live.com/Messenger/IM/Join/Default.aspx?souce=EML_WL_ GoodCause

1574. Testing and speculation.

Yahoo group: eu-amsat
Date: 2008-05-26 18:41:35 UTC
From: John Hackett
Topic: 1572 Message: 1574

Dimitrios,
The Russian Jubilee satellite is *supposed* to sound like Sputnik - that's what it was designed for - to emulate and reproduce the sounds of space to celebrate Russia and the Soviet Union's 50 years in space.

It was supposed to be launched in 2006 but was delayed.

Mak, I think you'll find the "strange" sound is SSTV, you can decode it with MixW2 or MMTV. It also transmits APT - (automatic picture transmission) signals emulating the Russian weather satellites.

Packet is also represented.

The CW you obviously know about.

Don't forget, the satellite is being commanded from Plesetsk and Moscow and is still in a "testing" stage.

There is a lot of (incorrect) "guessing" and speculation on the Amsat-bb ... always the case when information is sparse.

I expect a proper schedule after the "tests" are complete.

Try FM Mak.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mc90606@...
Date: Mon, 26 May 2008 17:27:51 +0000
Subject: RE: [eu-amsat] Re: Yubileiny(RS30) strange signal

i heard yubileiny too.... very clear audio and good signals about s3-s5.

i was excited!!!! its sounds to me like sputnik

73 de sw1jgw

DP

> To: eu-amsat@yahoogroups.com
> CC: amsat-bb@amsat.org
> From: sv1bsx@...
> Date: Mon, 26 May 2008 20:00:34 +0300
> Subject: [eu-amsat] Re: Yubileiny(RS30) strange signal
>
> Hi all,
>
> I heard this afternoon YUBI'y on asceding orbit over E.Europe (14:30 Z).

> Signals were 53-57 with just a 6 El Yagi horizontal polarized.
>
> BTW the receiving signal remains to me the..... Woody - Woodpecker !!!
> (if you put the Mode to USB.)
>
> The signal was easily received during the whole pass @ 435.312,
> without signifficant fading.
> I observed also that the Doppler-drift was minimal - no significant for
> USB, so I think the transmitting signal is probably FM.
>
> I used an external MIC for the recording. In practice the audio was very
> good.
> I noticed that the transmittion following a tempo , about 60 sec "Woody", 4
> sec pause, again 60 sec "Woody", 4 sec pause... etc etc.
>
> A small audio sample is here:
>
> http://sv1bsx.50webs.com/yubi/yubimp3.mp3
>
>
> 73, Mak SV1BSX
>
>
>
> ----- Original Message -----
> From: "Mineo Wakita" <ei7m-wkt@...>
> To: <amsat-bb@...>
> Sent: Monday, May 26, 2008 2:35 PM
> Subject: [amsat-bb] Yubileiny(RS30) strange signal
>
>
> >
> > I heard today the strange signal like WeatherSat or RTTY
> > from Yubileiny(RS30) at 435.315MHz.
> > http://www.ne.jp/asahi/hamradio/je9pel/80526yub.wav
> >
> > de JE9PEL, Mineo Wakita
> >
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
>
>
> ---
>
> Yahoo! Groups Links
>
>

>

Give to a good cause with every e-mail. Join the i’m Initiative from Microsoft.

1575. Re: [eu-amsat] Testing and speculation.

Yahoo group: eu-amsat
Date: 2008-05-26 18:44:36 UTC
From: Simon Brown
Topic: 1572 Message: 1575

I was thinking about SSTV - Robot 36 maybe - *but* the bandwidth is too small unless this is just the sync pulses.

Simon Brown, HB9DRV

From: John Hackett

Mak, I think you'll find the "strange" sound is SSTV, you can decode it with MixW2 or MMTV. It also transmits APT - (automatic picture transmission) signals emulating the Russian weather satellites.

1576. Speculation.

Yahoo group: eu-amsat
Date: 2008-05-27 18:41:26 UTC
From: John Hackett
Topic: 1570 Message: 1576

Interesting to note all the speculation on the Amsat-bb re: the various modes of the Russian JUBILEE satellite.

The Russians themselves have of course been asked to provide details, yes ?? ... err ... no, I didn't think so.

The NPO site states that JUBILEE was designed to emulate the various telemetry modes used from Sputnik to the present day in the Soviet, then later, Russian 50 years in space.

By definition this will obviously entail some early Soviet weather satellite telemetry/imagery - which would account for the (quote from one member) "strange FM noises" (unquote).

A well directed e-mail containing a polite request on behalf of Amsat-NA would probably do a *LOT* more to assertain operating schedule details and modes - than the sometimes frivolous guesses being bandied about ... however ... I expect those concerned are having a good laugh about it.

Points to ponder.

The satellite was to be launched in 2006 but was delayed due to lack of funding.

It's highly unlikely that a transponder was included in a package designed to emulate the sounds from space ... but you never know ... stranger things have happened at sea.

It's interesting to note that The Russians in fact do go to a useful orbit.

Did anyone think to ask the Chinese to include a transponder on their "Olympic" satellite ?? ... but maybe there were too many political potatoes involved.

73 John. <la2qaa@...>

1577. Amateur radio cure Cancer!!!?

Yahoo group: eu-amsat
Date: 2008-05-28 07:23:35 UTC
From: Luc Leblanc
Topic: 1577 Message: 1577

It was a while since amateur radio was a discovery tool but things change...have a look at this link even if he use 27.1 MHZ his amateur
radio equipment gets use for another purpose. Did anyone knows his call sign?

http://www.cbsnews.com/stories/2008/04/10/60minutes/main4006951.shtml

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1578. JUBILEE

Yahoo group: eu-amsat
Date: 2008-05-28 10:01:14 UTC
From: pcalvi@bluewin.ch
Topic: 1578 Message: 1578

Honestly, if somebody has put a 45 kg amateur satellite into a 1,500 km plus orbit and has NOT included a transponder,
then this hobby has really become a joke! What's the weight of a transponder module? And the cost? What's the problem
in giving us something more like a "real" satellite? (and this is said with enormous love and affection for the old
girl - which I use daily - and plenty of respect for HamSat).

Yes - I am quite angry. We are kept in complete darkness as to real progress and launch opportunities for P3E -
something I have repeatedly and completely uselessly complained about several times on this BB. I find this absolutely
incredible. I have repeatedly said that I have the utmost respect for the work of AMSAT DL and I am quite keen to
support it financially, bit I cannot see any reason for this total blackout on communication, which has been going on
since the beginning of the project. I appreciate that AMSAT DL themselves must be quite uncertain, but the DO TELL US,
for God's sake! Keep us informed on negotiations, progress, prospects. That fuels enthusiasm, attracts resources and
somewhat cures frustration. We live on tiny bits of information - mostly speculations and rumours. How is this
possible?

And now, talking about frustration, somebody invest considerable resources to put a new bird in orbit and do not
include a transponder? Tell me that's not true, PLEASE.

73. Piero

_____
Piero Calvi-Parisetti MM0TWX
currently also HB9DSU
for music, Ham Radio and more
visit http://www.chmusiq.com/ham

----Message d'origine----
De: archie.hackett@...
Date: 27.05.2008 20:41
À: "Eu-amsat@yahoogroups.com"<eu-amsat@yahoogroups.com>
Copie: <amsat-bb@...>, <allan_gm1sxx@...>
Objet: [eu-amsat] Speculation.

Interesting to note all the speculation on the Amsat-bb re: the various modes of the Russian JUBILEE satellite.

The Russians themselves have of course been asked to provide details, yes ?? ... err ... no, I didn't think so.

The NPO site states that JUBILEE was designed to emulate the various telemetry modes used from Sputnik to the present
day in the Soviet, then later, Russian 50 years in space.

By definition this will obviously entail some early Soviet weather satellite telemetry/imagery - which would account
for the (quote from one member) "strange FM noises" (unquote).

A well directed e-mail containing a polite request on behalf of Amsat-NA would probably do a *LOT* more to assertain
operating schedule details and modes - than the sometimes frivolous guesses being bandied about ... however ... I
expect those concerned are having a good laugh about it.

Points to ponder.

The satellite was to be launched in 2006 but was delayed due to lack of funding.

It's highly unlikely that a transponder was included in a package designed to emulate the sounds from space ... but
you never know ... stranger things have happened at sea.

It's interesting to note that The Russians in fact do go to a useful orbit.

Did anyone think to ask the Chinese to include a transponder on their "Olympic" satellite ?? ... but maybe there were
too many political potatoes involved.

73 John. <la2qaa@...>

1579. my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-28 12:48:00 UTC
From: SW1JGW
Topic: 1579 Message: 1579

Dear Friends Good Afternoon,

I have been working on Satellites since December 2007, so you can say that I am a beginner on this hobby.

That is why I don't write a lot in this forum. I prefer listen or read rather than writing.

AO51 was a good satellite for the beginning, because of its commodity to do QSO's.

But you must admit that AO51 has a chaotic traffic, that is why now I like better AO7 .

As you know there are three FM Satellites. One of them is working very well (AO51), the other two may be die soon I think.

On the other hand there are two SSB sats . Maybe three after DelfiC3.

The main problem is that A07 is old.

Did you ever think what will happen in 3-4 years?

Did you ever think the possibility not to have any satellite at all?

I think that it is time to send a good HEO satellite or two... with the style of AO7 which can work without batteries,.

Simple Flexible and stabilized.. Else the Oscar satellite era will come to its end.

These are my fears my friends!!
AM SAT DL or Amsat NA must give it a very good thought

Because without Satellites

they won't have any purpose of existence

73 Sw1jgw

1580. Re: [eu-amsat] JUBILEE

Yahoo group: eu-amsat
Date: 2008-05-28 13:13:11 UTC
From: SV1BSX
Topic: 1578 Message: 1580

Hi Piero,

I completely agree with your post about P3E. And I am glad because there are many Hams which are pondering about this matter.

However, about Yubileiny we must be patient for a couple of days or weeks.

If there is NO any HAM-transponder onboard, then you have again 100% right. And I subscribe your thought.

If this scenario is real, I wondering also why they use our frequencies (145/435), especially the 145 MHz "Satellite segment" as UPLINK, if the Satellite does not carry any HAm-radio equipment ! It it that legally ?

Now, in case which the YUBI is carrying a ham-transponder but we don't know that
this moment, Hhmmm... NO surprise... it's a usual mysticism-procedure on Russians.

Crossed the fingers to be real the last one, even if it has a lot of *suspense* !

73, Mak SV1BSX

----- Original Message -----
From: <pcalvi@...>
To: <eu-amsat@yahoogroups.com>
Cc: <amsat-bb@...>
Sent: Wednesday, May 28, 2008 1:01 PM
Subject: [eu-amsat] JUBILEE

Honestly, if somebody has put a 45 kg amateur satellite into a 1,500 km plus orbit and has NOT included a transponder,
then this hobby has really become a joke! What's the weight of a transponder module? And the cost? What's the problem
in giving us something more like a "real" satellite? (and this is said with enormous love and affection for the old
girl - which I use daily - and plenty of respect for HamSat).

Yes - I am quite angry. We are kept in complete darkness as to real progress and launch opportunities for P3E -
something I have repeatedly and completely uselessly complained about several times on this BB. I find this absolutely
incredible. I have repeatedly said that I have the utmost respect for the work of AMSAT DL and I am quite keen to

support it financially, bit I cannot see any reason for this total blackout on communication, which has been going on
since the beginning of the project. I appreciate that AMSAT DL themselves must be quite uncertain, but the DO TELL US,
for God's sake! Keep us informed on negotiations, progress, prospects. That fuels enthusiasm, attracts resources and
somewhat cures frustration. We live on tiny bits of information - mostly speculations and rumours. How is this
possible?

And now, talking about frustration, somebody invest considerable resources to put a new bird in orbit and do not
include a transponder? Tell me that's not true, PLEASE.

73. Piero

_____
Piero Calvi-Parisetti MM0TWX
currently also HB9DSU
for music, Ham Radio and more
visit http://www.chmusiq.com/ham

----Message d'origine----
De: archie.hackett@...
Date: 27.05.2008 20:41
À: "Eu-amsat@yahoogroups.com"<eu-amsat@yahoogroups.com>
Copie: <amsat-bb@...>, <allan_gm1sxx@...>
Objet: [eu-amsat] Speculation.

Interesting to note all the speculation on the Amsat-bb re: the various modes of the Russian JUBILEE satellite.

The Russians themselves have of course been asked to provide details, yes ??
.... err ... no, I didn't think so.

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By definition this will obviously entail some early Soviet weather satellite telemetry/imagery - which would account
for the (quote from one member) "strange FM noises" (unquote).

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operating schedule details and modes - than the sometimes frivolous guesses being bandied about ... however ... I
expect those concerned are having a good laugh about it.

Points to ponder.

The satellite was to be launched in 2006 but was delayed due to lack of funding.

It's highly unlikely that a transponder was included in a package designed
to emulate the sounds from space ... but
you never know ... stranger things have happened at sea.

It's interesting to note that The Russians in fact do go to a useful orbit.

Did anyone think to ask the Chinese to include a transponder on their
"Olympic" satellite ?? ... but maybe there were
too many political potatoes involved.

73 John. <la2qaa@...>

Yahoo! Groups Links

1581. Yubileiny... some facts.

Yahoo group: eu-amsat
Date: 2008-05-28 14:58:07 UTC
From: Allan Copland
Topic: 1581 Message: 1581

Hi Folks.

I notice there's a great deal of speculation about the new Russian Yubileiny (Jubilee) satellite. A fair amount of speculation is to be found on the AMSAT-BB but factual information has been available some some time on the webite of the builders of this bird, the Reshetnev Bureau. http://www.npopm.com/

The main problem with that data is that the pages have not been indexed for the web-bots so it can be a slog to find stuff.

I've put together everything I know about this bird to date on 'Observations From Russia'.

http://www.observations.biz/Observations_from_Russia/yub_intro.htm

and
http://www.observations.biz/Observations_from_Russia/index.htm

This includes what was obviously a general release or press statement, originally published in PDF but now copied to HTML format.

This describes the bird's mission snd history and also a non-technical account of the data transmitted. The data are transmitted over a four minute cycle but will almost certainly be interrupted when the bird is in range of the command station(Moscow area).

Yubileiny is a technology demonstrator satellite first and foremost. Like many others operating in the amateur radio satellite bands, it's a downlink only bird, essentially a manufacturer's test satellite, but making use of the amateur bands for command and downlink.

You can find a copy of the 'press kit' at..
http://www.observations.biz/Observations_from_Russia/yub_intro.htm

If it proves to be a success, the 'Yubileiny satellite bus' will probably re-surface in future for future Russian light-LEO missions.

Obvious candidates for future missions of this new satellite structure include the LEO store-dump military comms system that formerly used the small Strela (Arrow) satellite bus.

73 Al.
GM1SXX

1582. Yubileiny..more.

Yahoo group: eu-amsat
Date: 2008-05-28 15:08:59 UTC
From: Allan Copland
Topic: 1582 Message: 1582

Hi,

In answer to the question of whether there is a transponder is on board Yubileiny, it seems highly unlikely. Although the bird signs RS30, there is no mention in any of the data I've located to date, of anything other than the equipment noted in the press release being on board, so it seems the answer is no... no transponder.

Thats a huge disappointment to me.

That is of course unless the Russians have an ace hidden up their sleeves. My personal best guess? No transponder.

If this turns out to be the case, it would be a huge disappointment to radio amateurs worldwide because Yubileiny is in an ideal orbit for a linear transponder bird.

73 Al.
GM1SXX
www.observations.biz

1583. Re: [eu-amsat] JUBILEE

Yahoo group: eu-amsat
Date: 2008-05-28 15:26:37 UTC
From: Luc Leblanc
Topic: 1578 Message: 1583

On 28 May 2008 at 10:01, pcalvi@... wrote:

> Honestly, if somebody has put a 45 kg amateur satellite into a 1,500 km plus orbit and has NOT included a transponder,
> then this hobby has really become a joke!

The problem here "the satellite operator request are not heard" as in AMSAT-NA their reprensatative structure remain in the hand's of few
board of directors. They have a list of regional coordinators with no power. It is not a very democratic organisation.

SOLUTION

Give more power to the membership through their regional coordinator who can vote on the main orientations and goals

> Yes - I am quite angry. We are kept in complete darkness as to real progress and launch opportunities for P3E -
> something I have repeatedly and completely uselessly complained about several times on this BB.

EXACTLY and well said keeping decisions in close circle make the information flow very restricted. Why there is so few information given is
very easy to understand! There is no news to be given "Project are stuck" lack of funding? lack of launch opportunity? no reporting
structure on the state of completion of project?

> And now, talking about frustration, somebody invest considerable resources to put a new bird in orbit and do not
> include a transponder? Tell me that's not true, PLEASE.
>
> 73. Piero

As any international business each group have their own agenda even AMSAT-NA and AMSAT-DL sign an agreement but it was not respected by at
least AMSAT-NA (This is not a big surprised) Its hard to understand but in the present Russian "Yubileiny" satellite there is so few detail
available that it is hard to get a clear idea of the whole satellite functions. It is a joint venture with commercial payload? amateur only
stuff? we really don't know.

What we have to do as good stage coach is to waive our little flags where dollar and euros sign are painted on them. And waiting the team
to score...We are the new satellite Cheerleaders without mini skirt :)

In a way to help some waiting there is at least some site to view
http://www.cheerleader.com/ ;)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1584. We were !!! warned.

Yahoo group: eu-amsat
Date: 2008-05-28 15:32:49 UTC
From: John Hackett
Topic: 1579 Message: 1584

Dear SW1JGW,
I agree with your comments.

If you look at <http://www.observations.biz> Observations from Norway and Observations from Scotland you'll see that GM1SXX and myself (LA2QAA) have been promoting the idea of battery-less satellites for many years now.

AO-7.

Don't forget AO-7 has been in space for over 31 years !!!! now and been operating for 14 years in that time ... and will probably operate for quite some time to come ... providing the high power clowns stop hitting it with too much power.

Jubilee ... don't forget that's a "me too" satellite.

It's too late now to start complaining about giving away the amateur satellite segement of the band.

We *WERE* !!! warned 15 years ago by Commander John Brannegan GM4IJH ... and again by GM1SXX & LA2QAA - regularly over the last 10 years. (See OBSERVATIONS).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mc90606@...
Date: Wed, 28 May 2008 12:48:00 +0000
Subject: [eu-amsat] my Fears as a new Oscar satellites fun

Dear Friends Good Afternoon,

I have been working on Satellites since December 2007, so you can say

that I am a beginner on this hobby.

That is why I don't write a lot in this forum. I prefer listen or

read rather than writing.

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But you must admit that AO51 has a chaotic traffic, that is why now I

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On the other hand there are two SSB sats . Maybe three after DelfiC3.

The main problem is that A07 is old.

Did you ever think what will happen in 3-4 years?

Did you ever think the possibility not to have any satellite at all?

I think that it is time to send a good HEO satellite or two... with

the style of AO7 which can work without batteries,.

Simple Flexible and stabilized.. Else the Oscar satellite era will

come to its end.

These are my fears my friends!!

AM SAT DL or Amsat NA must give it a very good thought

Because without Satellites

they won't have any purpose of existence

73 Sw1jgw

1585. Brilliant !!!.

Yahoo group: eu-amsat
Date: 2008-05-28 15:44:35 UTC
From: John Hackett
Topic: 1585 Message: 1585

>We are the new satellite Cheerleaders without mini skirt :)

Brilliant !!! Luc,
That one line was worth my inviting you personally to join EU-Amsat.

However, I seriously doubt those concerned will even realise! the irony of it.

Good one mon ami.

73 John. <la2qaa@...g>

1586. Re: [eu-amsat] my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-28 15:57:14 UTC
From: SV1BSX
Topic: 1579 Message: 1586

Hi Dimitris, SW1JGW

about that you wrote:

> I think that it is time to send a good HEO satellite or two... with
> the style of AO7 which can work without batteries.

...well, a very interesting/informative message has been posted from the current President of AMSAT-DL which answers about the possibility of a HEO without batteries:

Peter Guelzow wrote:

<snip>
AO-40 would not work just from solar power and without batteries.
The battery works as big capacitor for the transponders. In mean, the
power budget would be positive, but during high peak on the transponder
due to load, the transponder would drain current from the battery as the
peak power would not be sufficient for the generated power from the
solar cells. Without the battery, the transponder would be very
unstable as the voltage breaks down. And even worse, the voltage break
down would cause the IHU (onboard computer) to make a power down reset.
So we could probably only have telemetry beacon, nothing else...
During each eclipse pass, sometimes every orbit, the computer would also
reset again and again.
Since all the software must be reloaded from ground, this is a task we
could not provide every day.
But without computer, we would quickly loose orientation of the
spacecraft and thus, the solar panelsl would quickly point away from the
sun.. and that's is it..
Look at AO-10 to understand what I mean..
AO-40 was never designed to work without battery and this would also
make totally no sense..
<snip>

73s Peter

<snip>

...now you know why it's impossible a HEO without batteries... Unfortunatelly !

73, Mak SV1BSX

----- Original Message -----
From: "SW1JGW" <mc90606@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, May 28, 2008 3:48 PM
Subject: [eu-amsat] my Fears as a new Oscar satellites fun

> Dear Friends Good Afternoon,
>
> I have been working on Satellites since December 2007, so you can say
> that I am a beginner on this hobby.
>
> That is why I don't write a lot in this forum. I prefer listen or
> read rather than writing.
>
> AO51 was a good satellite for the beginning, because of its commodity
> to do QSO's.
>
> But you must admit that AO51 has a chaotic traffic, that is why now I
> like better AO7 .
>
> As you know there are three FM Satellites. One of them is working
> very well (AO51), the other two may be die soon I think.
>
> On the other hand there are two SSB sats . Maybe three after DelfiC3.
>
> The main problem is that A07 is old.
>
> Did you ever think what will happen in 3-4 years?
>
> Did you ever think the possibility not to have any satellite at all?
>
> I think that it is time to send a good HEO satellite or two... with
> the style of AO7 which can work without batteries,.
>
> Simple Flexible and stabilized.. Else the Oscar satellite era will
> come to its end.
>
> These are my fears my friends!!
> AM SAT DL or Amsat NA must give it a very good thought
>
> Because without Satellites
>
> they won't have any purpose of existence
>
> 73 Sw1jgw
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1587. Right !!!!!

Yahoo group: eu-amsat
Date: 2008-05-28 16:08:07 UTC
From: John Hackett
Topic: 1579 Message: 1587

Mak, Dimitris,
Maybe now you can see why GM1SXX and myself have been batting for a batteryless satellite in a MEO or even a 1400km + orbit ... look at the JUBILEE footprint.

We've been stating this for a *LONG* !!! time ... unfortunately, the people who *could* make a difference have *NOT* been listening to the members ... (nothing new in Amsat protocol)

As for university sats and now commercial sats ... JUBILEE and the forthcoming Chinese OLYMPIC sat ... hijacking the amateur frequencies ... it's a meagre consolation saying - we told !!! you so.

GM4IHJ said it would happen - it has.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Wed, 28 May 2008 18:57:14 +0300
Subject: Re: [eu-amsat] my Fears as a new Oscar satellites fun

Hi Dimitris, SW1JGW

about that you wrote:

> I think that it is time
to send a good HEO satellite or two... with
> the style of AO7 which can
work without batteries.

..well, a very interesting/informative
message has been posted from the current President of AMSAT-DL which answers about the possibility of a HEO without
batteries:

Peter Guelzow wrote:

<snip>
AO-40 would not
work just from solar power and without batteries.
The battery works as big
capacitor for the transponders. In mean, the
power budget would be positive,
but during high peak on the transponder
due to load, the transponder would
drain current from the battery as the
peak power would not be sufficient for
the generated power from the

solar cells. Without the battery, the
transponder would be very
unstable as the voltage breaks down. And even
worse, the voltage break
down would cause the IHU (onboard computer) to make
a power down reset.
So we could probably only have telemetry beacon, nothing
else...
During each eclipse pass, sometimes every orbit, the computer would
also
reset again and again.
Since all the software must be reloaded from
ground, this is a task we
could not provide every day.
But without
computer, we would quickly loose orientation of the
spacecraft and thus, the
solar panelsl would quickly point away from the
sun.. and that's is
it..
Look at AO-10 to understand what I mean..
AO-40 was never designed to
work without battery and this would also
make totally no
sense..
<snip>

73s Peter

<snip>

..now you know why it's impossible a HEO without
batteries... Unfortunatelly !

73,
Mak SV1BSX

----- Original Message -----
From: "SW1JGW" <mc90606@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, May 28, 2008 3:48 PM
Subject: [eu-amsat] my Fears as a new Oscar satellites
fun

> Dear Friends Good
Afternoon,
>
> I have been working on Satellites since December
2007, so you can say
> that I am a beginner on this hobby.
>

> That is why I don't write a lot in this forum. I prefer listen or

> read rather than writing.
>
> AO51 was a good satellite
for the beginning, because of its commodity
> to do QSO's.
>

> But you must admit that AO51 has a chaotic traffic, that is why now I

> like better AO7 .
>
> As you know there are three FM
Satellites. One of them is working
> very well (AO51), the other two may
be die soon I think.
>
> On the other hand there are two SSB sats
.. Maybe three after DelfiC3.
>
> The main problem is that A07 is
old.
>
> Did you ever think what will happen in 3-4 years?
>

> Did you ever think the possibility not to have any satellite at all?

>
> I think that it is time to send a good HEO satellite or two...
with
> the style of AO7 which can work without batteries,.
>

> Simple Flexible and stabilized.. Else the Oscar satellite era will

> come to its end.
>
> These are my fears my
friends!!
> AM SAT DL or Amsat NA must give it a very good thought
>

> Because without Satellites
>
> they won't have any purpose
of existence
>
> 73 Sw1jgw
>
>
>

>

> ----------
>
> Yahoo! Groups
Links
>
>

>
> (Yahoo! ID required)
>

> mailto:eu-amsat-fullfeatured@yahoogroups.com
>
>

>

1588. Re: Yubileiny(RS30) strange signal

Yahoo group: eu-amsat
Date: 2008-05-28 16:49:25 UTC
From: Allan Copland
Topic: 1572 Message: 1588

Hi,

The Woody-Woodpecker signal is almost certainly the TV picture. It's mentioned in the NPO PM documentation press kit (see OBS from Russia)

Al.
gm1sxx

1589. Re: [eu-amsat] Re: Yubileiny(RS30) strange signal

Yahoo group: eu-amsat
Date: 2008-05-28 17:17:36 UTC
From: SV1BSX
Topic: 1572 Message: 1589

Hi Al,

nice to read your posts again here !

Ho ho ho... .. YES! "Woody" was on TV, right. Great fun !

I said that about YUBI just because the 60 secs period
signal from YUBI remembers to me the "knock-knock-knock"
of Woodpecker onto the trees ! (trying to make the hole!) Fun !

BTW I read that the YUBI send SSTV signals for about 60 secs.
I have recorded this one before 2-3 days and I noticed that:

if you try to transmit an SSTV signal on MARTIN2 format, WITHOUT picture -
just
a BLACK-screen, the speaker-output has a very similar "audio"
("knock-knock-knock")
with that which the YUBI sends for 60 seconds period.

I tried also to decode this recorded signal...

I can see a nice... BLACK-screen on my monitor.

Coincidence ? may be...

73, Mak SV1BSX

----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Wednesday, May 28, 2008 7:49 PM
Subject: [eu-amsat] Re: Yubileiny(RS30) strange signal

> Hi,
>
> The Woody-Woodpecker signal is almost certainly the TV picture. It's
> mentioned in the NPO PM documentation press kit (see OBS from Russia)
>
> Al.
> gm1sxx
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1590. Re: my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-28 20:16:22 UTC
From: Allan Copland
Topic: 1579 Message: 1590

--- In eu-amsat@yahoogroups.com, "SW1JGW" <mc90606@...> wrote:
> I think that it is time to send a good HEO satellite or two... with
> the style of AO7 which can work without batteries,.
>
> Simple Flexible and stabilized.. Else the Oscar satellite era will
> come to its end.
>
Simple, flexible and stabilised are things that *can* be achieved....
in Low Earth orbit. To that you can add a very long life expectancy if
you dispense with a battery based power system, keep complexity to a
minimum and settle for daylight-only operation. Battery problems have
prematurely ended many satellite missions, and not just with amateur
birds.

As Mak has pointed out, a satellite in a Molniya (high elliptical)
orbit requires a battery for at least houskeeping purposes. This is
primarily because the solar generators must collect sunlight while the
antenna system simultaneously points Earthwards. Without power for the
onboard computer, and electromagnetic orientation system
(magnetorquers), it can't maintain it's attitude in space for very
long and would soon be lost. You also have to consider that a
satellite in High Earth Orbit needs more power for it's radio link
than one in a lower orbit. You can be in a situation where the
batteries or the panels alone don't supply enough energy for the
transponders and other systems. Conditions soon become complicated!

A Linear-Transponder satellite in a lower circular orbit can benefit
from using a low-gain antenna system and a far simpler Earth pointing
system.
The pointing system can be as simple as some powerful bar magnets to
align the bird with the Earth's magnetic field, or in the case of a
more complex satellite, gravity-gradient boom or electro-magnetic
torquers (electric motor effect). Painting opposite sides of the
antenna elements can be used to impart a slow spin to the satellite
using sunlight... Crookes Radiometer principle. This is proven
old-technology. Simple bar-magnet stabilisation has been used in the
past to good effect (AO7 uses this), and so the design and demands
made of a satellite in low Earth orbit, are greatly relaxed compared
to a HEO bird. Far better bar magnets are now available than those
used in early amateur satellites.
Add to this the need for far less power for the transponder(s) and the
concept of a long-lived *simple* batteryless LEO is a project that is
feasible. Not one to please the builder or movers and shakers, but
I'd bet the users would like it!

For the satellite builder who may read this message, AO7 and more recently Delfi-C3 are showing the way. Batteryless operation is not only possible. It's now proven technology. It is not appropriate for some missions but it can be done and as AO7 has proved, the lack of a functioning battery can be a blessing.

When AO7 came back to life, LA2QAA and myself collected and analysed the telemetry from the bird. Bearing in mind that the solar generators are/were severely degraded by radiation damage, so available power was severely curtailed, we were pleasantly surprised to find most of the telemetry values were reasonable for valid 'frames' received.... those ending in 649,650 or 651.

For anyone who is not familiar with AO7 telemetry, the last three digits are the D/A reference voltage. Data frames ending 649,650 or651 show proper operation of the D/A. The data from AO7 opened our eyes to the fact that satellite hardware can survive for very extended periods in a high-radiation environment.

While the builder and designers of amateur radio satellites are looking for ever greater challenges from a technical point of view, this approach does not often best serve the needs of the satellite users who frequently want simplicity and reliability at the top of *their* wish list. AO7 is an incredibly crude and simple satellite by today's standards.

Sometimes, simplicity pays off handsomely.

Kind regards,
Al.
GM1SXX

1591. Re: my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-29 06:55:02 UTC
From: Bratu Florian Gabriel
Topic: 1579 Message: 1591

I think the best satellite in history was Oscar13 and is not only my opinion, also simple and longlive.
Dimitrios have wright, maby it will be better to buid one simple and fully functional instead a ,,three in one" with a lot of transporders, sofisticated systems and frequencies accesible only for few.
Frequencyes transporder is also a problem, using 2m- 70cm and 23cm is easy accesible for everyone, more up like 2.4G.... 24G will create a hard acces satellite for most of us.
73!

1592. Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 07:46:39 UTC
From: Simon Brown
Topic: 1592 Message: 1592

As part of some new software I am thinking about a scenario where two radios are used - one for TX, one for RX.

For example 3 x IC-703 using transverters for 13cms and 23cms.

Does this happen in practice?

Simon Brown, HB9DRV

1593. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 09:54:03 UTC
From: Thomas Frey
Topic: 1592 Message: 1593

Simon Brown schrieb:
>
> As part of some new software I am thinking about a scenario where two
> radios are used - one for TX, one for RX.
>
> For example 3 x IC-703 using transverters for 13cms and 23cms.
>
> Does this happen in practice?
>
> Simon Brown, HB9DRV
>

Hello Simon

It does. I have an old rig and wrote my own tracking software with
CAT for a Kenwood TS-711E and a scanner Icom IC-R7000. If an OM also
has a scanner as 2nd radio, it makes sense.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1594. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 10:00:35 UTC
From: Simon Brown
Topic: 1592 Message: 1594

Thanks - best to know the required scope before starting.

Assuming I ever have enough money I would probably use 2 x IC-703 to drive
13 cms / 23 cms transverters - it's just easier if the software exists :-)

Simon Brown, HB9DRV

From: "Thomas Frey" <th.frey@...>
>
> It does. I have an old rig and wrote my own tracking software with
> CAT for a Kenwood TS-711E and a scanner Icom IC-R7000. If an OM also
> has a scanner as 2nd radio, it makes sense.
>

1595. RE: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 10:10:03 UTC
From: Al copland
Topic: 1592 Message: 1595

Hi,

You could use a Icom 703's but the old FT290 (Mark 1 model) makes an excellent (2m) transverter driver.

If you can interface to the tuning system (via the up/down buttons on the MIC jack) for Doppler tracking, using cheap opto-couplers, the 290 makes a great transverter driver. That's why at one point, I had three FT290 MK1's in service. 703's are expensive. 290's are cheap!

The old Mk1 makes a better driver than the Mk2 because it places a DC switching voltage on the antenna output jack. This current-limited line can be used to 'hard switch' your transverter. I hope thats of help to you.

73 Al.
GM1SXX

---

http://clk.atdmt.com/UKM/go/msnnkmgl0010000002ukm/direct/01/

1596. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 10:14:18 UTC
From: Simon Brown
Topic: 1592 Message: 1596

Friedrichshafen is looming - I'll see what's available.

http://www.hamradio-friedrichshafen.de/html/en/index.php

Simon Brown, HB9DRV

From: Al copland

You could use a Icom 703's but the old FT290 (Mark 1 model) makes an excellent (2m) transverter driver.

If you can interface to the tuning system (via the up/down buttons on the MIC jack) for Doppler tracking, using cheap opto-couplers, the 290 makes a great transverter driver. That's why at one point, I had three FT290 MK1's in service. 703's are expensive. 290's are cheap!

The old Mk1 makes a better driver than the Mk2 because it places a DC switching voltage on the antenna output jack. This current-limited line can be used to 'hard switch' your transverter. I hope thats of help to you.

1597. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 10:56:21 UTC
From: SV1BSX
Topic: 1592 Message: 1597

..yes Simon, it's highly recommended that !

I am using also "split" radios and as I know several other operators.

On the other hand, don't forget that some manufactures have produced separate radios for VHF-UHF Bands
like ICOM (ie IC-271 & IC-275 for VHF and IC-471 & IC-475 for UHF).

Another matter is that, the majority of "OLD" radios are without
COM-port. A mere example is the excellent pair by Kenwood, TR-751 & TR-851. They are "Super"
transceivers even if they are small Mobile-radios, and I think both are superiors as RX-TX from several newer
"BASE" rigs. Without "Bells & whistles", but they are excellent radios. "State of the Art" !

Well, the main problem with these radios is the "Auto-Doppler" correction. Only the InstantTrack can
correct the frequency by using the "Up-Down" buttons of Microphone. It would be a great benefit
for your program if it has a similar ability.
Many of us (especially the Homebrewers) we also use similar OLD radios as IF for Higher Bands, together
with a Transverter or DownConverter. I remember my faithful FT-290 behind of 2.4 GHz DownConverter for
AO-40's receiving.

So, I repeat - it would be GREAT advantage if a modern Windows-program can manage similar OLD radios.
Unique !

73, Mak SV1BSX

----- Original Message -----
From: Simon Brown
To: EU Amsat
Sent: Thursday, May 29, 2008 10:46 AM
Subject: [eu-amsat] Dual Radio Question

As part of some new software I am thinking about a scenario where two radios are used - one for TX, one for RX.

For example 3 x IC-703 using transverters for 13cms and 23cms.

Does this happen in practice?

Simon Brown, HB9DRV

1598. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 11:14:33 UTC
From: pcalvi@bluewin.ch
Topic: 1592 Message: 1598

Definitely, Simon!

I am currently using "big" (IC775) HF rigs with transverters, and I could certainly do with automatic tuning and
doppler correction.

Thanks and 73

Piero

_____
Piero Calvi-Parisetti MM0TWX
currently also HB9DSU
for music, Ham Radio and more
visit http://www.qsl.net/hb9dsu

----Message d'origine----
De: sv1bsx@...
Date: 29.05.2008 12:56
À: <eu-amsat@yahoogroups.com>
Objet: Re: [eu-amsat] Dual Radio Question

..yes Simon, it's highly recommended that !

I am using also "split" radios and as I know several other operators.

On the other hand, don't forget that some manufactures have produced separate radios for VHF-UHF Bands
like ICOM (ie IC-271 & IC-275 for VHF and IC-471 & IC-475 for UHF).

Another matter is that, the majority of "OLD" radios are without
COM-port. A mere example is the excellent pair by Kenwood, TR-751 & TR-851. They are "Super"
transceivers even if they are small Mobile-radios, and I think both are superiors as RX-TX from several newer
"BASE" rigs. Without "Bells & whistles", but they are excellent radios. "State of the Art" !

Well, the main problem with these radios is the "Auto-Doppler" correction. Only the InstantTrack can
correct the frequency by using the "Up-Down" buttons of Microphone. It would be a great benefit
for your program if it has a similar ability.
Many of us (especially the Homebrewers) we also use similar OLD radios as IF for Higher Bands, together
with a Transverter or DownConverter. I remember my faithful FT-290 behind of 2.4 GHz DownConverter for
AO-40's receiving.

So, I repeat - it would be GREAT advantage if a modern Windows-program can manage similar OLD radios.
Unique !

73, Mak SV1BSX

----- Original Message -----
From: Simon Brown
To: EU Amsat
Sent: Thursday, May 29, 2008 10:46 AM
Subject: [eu-amsat] Dual Radio Question

As part of some new software I am thinking about a scenario where two radios are used - one for TX, one for RX.

For example 3 x IC-703 using transverters for 13cms and 23cms.

Does this happen in practice?

Simon Brown, HB9DRV

1599. JOKE???????? Fw: [amsat-bb] RS-30 second transponder

Yahoo group: eu-amsat
Date: 2008-05-29 11:28:25 UTC
From: SV1BSX
Topic: 1599 Message: 1599

JOKE ???....NO comments !!!!!

73, Mak SV1BSX

----- Original Message -----
From: "John Price" <n4qwf1@...>
To: <amsat-bb@...>
Sent: Thursday, May 29, 2008 1:35 PM
Subject: [amsat-bb] RS-30 second transponder

>I worked the pass over FM07 around 22:57 5/28. Very easy to
> access and hear on my D700 mobile and duel band vertical on the roof.
> Myself and 3 others had it to ourselves. That is nice for a change.
> Thanks to the command for this mode. 73's << John
>
> --
> N4QWF

1600. Fw: [amsat-bb] Re: RS-30 second transponder

Yahoo group: eu-amsat
Date: 2008-05-29 12:07:35 UTC
From: SV1BSX
Topic: 1600 Message: 1600

Oops, Guess I messed up something. I was trying to report on AO-51 second transponder. Guess I got the message posted to the RS-30 message text. Brain dead sometimes. Sorry

John

> On Thu, May 29, 2008 at 6:35 AM, John Price <n4qwf1@...> wrote:
>> I worked the pass over FM07 around 22:57 5/28. Very easy to
>> access and hear on my D700 mobile and duel band vertical on the roof.
>> Myself and 3 others had it to ourselves. That is nice for a change.
>> Thanks to the command for this mode. 73's << John
>>
>> --
>> N4QWF

1601. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 12:24:14 UTC
From: Simon Brown
Topic: 1592 Message: 1601

Do you use two at the same time (one RX, one TX) ?

Simon Brown, HB9DRV

From: <pcalvi@...>

> I am currently using "big" (IC775) HF rigs with transverters, and I could
> certainly do with automatic tuning and
> doppler correction.

1602. RE: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 12:33:29 UTC
From: Dimitrios Pallis
Topic: 1592 Message: 1602

HRD ver 4.0 still not working on doppler adjustment with FT847. I cant chose VFO A or B for TX frequency.
So i have installed ver 3,4 for Sat doppler adjustment and ver 4.0 for the rest!!!
73 de sw1jgw
DP

To: eu-amsat@yahoogroups.comFrom: simon.brown@...: Thu, 29 May 2008 14:24:14 +0200Subject: Re: [eu-amsat] Dual Radio Question

Do you use two at the same time (one RX, one TX) ?Simon Brown, HB9DRV----------From: <pcalvi@...>> I am currently using "big" (IC775) HF rigs with transverters, and I could > certainly do with automatic tuning and> doppler correction.

_____
E-mail for the greater good. Join the i’m Initiative from Microsoft.
http://im.live.com/Messenger/IM/Join/Default.aspx?source=EML_WL_ GreaterGood

1603. Re: [eu-amsat] Dual Radio Question

Yahoo group: eu-amsat
Date: 2008-05-29 12:47:11 UTC
From: Simon Brown
Topic: 1592 Message: 1603

Known bug - will look at this later today. Don't have access to a FT-847 at the moment, hoping for new Sat Track program by end of July latest.

Simon Brown, HB9DRV

From: Dimitrios Pallis

HRD ver 4.0 still not working on doppler adjustment with FT847. I cant chose VFO A or B for TX frequency.
So i have installed ver 3,4 for Sat doppler adjustment and ver 4.0 for the rest!!!

1604. Old equipment.

Yahoo group: eu-amsat
Date: 2008-05-29 16:21:29 UTC
From: John Hackett
Topic: 1604 Message: 1604

For anyone interested.

I have full doppler tuning and automatic tracking.

What's special about that you ask ?? ... just the fact that I'm using 22 year old rigs that *DON'T* have a com port.

NOVA for the graphical tracking ... InstantTRACK for the aerial tracking and InstantTUNE for ther auto doppler correction.

This system requires you to do a bit of homebrew - (interfaces).

The FT-290/790 pair only produce power in the milliwatt range on the low power setting so I use a converted mobile phone base station that "fell off the back of a passing lorry". This gives me a
transmitter power on 70cm with a GIGANTIC !!! 25w EIRP .

(I have the cards to prove plenty of DX on FO-20, AO-13 and AO-7).

However, "auto" is ... boring ... boring ... boring ... so I usually turn the ancilliary equipment off to track and tune manually ... it makes life more interesting with the brain in the *ON* position.

73 John. <la2qaa@...>

1605. Re: Old equipment.

Yahoo group: eu-amsat
Date: 2008-05-29 17:09:09 UTC
From: Allan Copland
Topic: 1604 Message: 1605

John said,;

> However, "auto" is ... boring ... boring ... boring ... so I usually
turn the ancilliary equipment off to track and tune manually ... it
makes life more interesting with the brain in the *ON* position.
>

Hear Hear! Down with automation :-)

AL.
gm1sxx

1606. Knife-edge propagation.

Yahoo group: eu-amsat
Date: 2008-05-29 17:56:42 UTC
From: John Hackett
Topic: 1606 Message: 1606
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Today's pic while walking to the shop - (6km there & back).

The main road just before the Bolgaveien turn-off - about 2 Km from the flat - (My flat is nearer the mountain).

Theview only shows the LOWER edges of FREIKOLLEN. The higher ridges -which I use for KNIFE-EDGE PROPAGATION mode on AO-7 are off to the left of thepicture.

I 'chucked' this onto the reflector (CC'd) to give thepunters in the 'low' countries - (Hi Aldert) - an idea of how it is tooperate from a mountainous area.

UA0ZS, SV1BSX and the HB gang are of course already aware of the idiosyncrasies.

73 John. <la2qaa@...>

1607. Re: my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-29 20:22:10 UTC
From: Allan Copland
Topic: 1579 Message: 1607

--- In eu-amsat@yahoogroups.com, "Bratu Florian Gabriel" <yo9gjx@...>
wrote:
>
> I think the best satellite in history was Oscar13 and is not only my
> opinion, also simple and longlive.

Hi,

I'm not sure if you mean that the satellite itself was simple or that
operating it was simple.

The AO10 and AO13 satellites were complex machines as any Heo bird has
to be.
HEO birds, and that has really been Molyiya's (Lightning.. Russian) to
date *must* carry a complex orientation system, and that means an
onboard computer. Carrying a computer into such high orbits carries
with it the risk or temporary, or even permanent damage from solar and
cosmic radiation as the satellite traverses the Van-Allen radiation
belts. Some things can be done to help protect the computer such as
bonding protective Tantalum, or other absorptive covers to the chips
(rad-hardening)and enclosing the flight computer in a (relatively)
heavily 'radiation screened' module box but the risk of permanent
damage will be ever-present. Stopping radiation from being able to
damage the electronics is not possible.

Of course, if you mean that AO13 was simple to operate, thats a
different thing :-)

My personal view is that the early Russian RS series of birds offered
the most fun and 'bang for the buck'. These simple linear transponder
LEO birds carried superbly sensitive transponders and with no
'alligators' around could be worked with very low power.

The early RS Satellites were launched as a cluster into fairly high
circular high orbits that made them a lot of fun. Unfortunately, bad
operating practices (alligators.... all mouth, no ears), particularly
in Europe led to the early demise of the first batch of RS birds. RS7
soldiered along for quite a while providing a great deal of fun for
myself and others.

These were simple satellites built around discarded military 'Strela'
space-frames and flown as piggyback 'passengers' on a Russian
launcher. They were a great deal of fun for me.

73 Al.
GM1SXX

1608. Re: [amsat-bb] Re: Shuttle question

Yahoo group: eu-amsat
Date: 2008-05-30 05:20:54 UTC
From: Luc Leblanc
Topic: 1608 Message: 1608

On 29 May 2008 at 22:16, Roger Kolakowski wrote:

> I read a story this morning...I can't remember where, that the toilet on ISS
> has had a broken pump for the past 5 days...they were rushing the 35# pump
> from Russia to FL and in order to get it onto the shuttle, they were
> considering leaving off a set of wrenches so that they had some place to put
> the pump.
>
> The pump was brought into the country in a diplomatic bag...
>
In the mean time they probably use the system they use in their space suit! as the next available space johnny on the spot is too far away

http://www.johnnyonthespot.com/jots/regularunit.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1609. Re: [amsat-bb] Re: JUBILEE and other frustrations

Yahoo group: eu-amsat
Date: 2008-05-30 05:40:09 UTC
From: Luc Leblanc
Topic: 1609 Message: 1609

On 30 May 2008 at 0:39, i8cvs wrote:

I AGREE COMPLETELY and i added up those who have the luxury of being able to freely express themselves will not ended up this way.

http://www.news.com.au/story/0,23599,23782148-23109,00.html

Even if you are a Pope or anything else you want us to bless you for one question remain there is a lack of reliable DX satellite
communicating apparatus. AO-40 is dead and the next HEO will not be in space this decade!

It's probably the time to change your cassette tape?

> ----- Original Message -----
> From: "Robert Bruninga" <bruninga@...>
> To: <amsat-bb@...>
> Sent: Thursday, May 29, 2008 4:00 PM
> Subject: [amsat-bb] Re: JUBILEE and other frustrations
>
...

> You cannot get out of the way those Amateur Radio users actually requesting
> OSCAR's Satellites with on board transponders because the Amateur Satellite
> Service started when in 1972 OSCAR-6 was launched and thousand's of the
> above maltreated and by you offended HF users decided to abandone the
> Amateur Service to enter into a more bright and promising Amateur Satellite
> Service.
> The above thousand's HF users invested worldwide a lot of money and a lot
> of efforts to convert their HF stations into VHF/UHF/SHF Satellite Stations
> with the purpose to get a more communication efficiency against the problems
> due of propagation using short waves.
> Without the above prerequisite the Amateur Satellite Service never would
> had spring up.
>
> Read please this "Brief History" written into page-1 of the AMSAT-UK
> OSCAR-13 Operations and Technical Handbook 1989
>
> "Amateur radio satellites have gone through three phases; phase 1:
> experimentation to find the possible; phase 2: long life, low orbit
> satellites to gain experience; and phase 3: high altitude orbits with
> complex transponding and control systems.
>
> Phase 1 started when OSCAR-1 was launched on 12 December 1961 and phase 2
> was led by OSCAR-6 in October 1972. Amsat's first attemp for phase 3 (the
> satellite known only as phase 3A) failed when the experimental Ariane
> rocked plunged into the South Atlantic in May 1980 . Amsat second attemp

> for phase 3 partially succeeded in June 1993 when OSCAR-10 was released
> into space . The world's radio amateurs after more than 10 years of low
> orbit satellites and associated short visibility periods, at last tasted
> Amsat's policy of equivalence to a permantly open 14 MHz band with
> practically world wide communications.
>
> OSCAR stands for Orbital Satellite Carrying Amateur Radio and a satellite is
> a package equipped with solar cells, batteries, receivers, and transmitters,
> aerials and control electronics.
> The batteries are charged by the solar cells whenever the satellite is in
> sunlight.
> Signal received in part of one amateur band are retransmitted in part of
> another amateur band.
> Unlike terrestrial, single frequency, analog repeaters ,the satellite relay
> system (called a transponder) will translate linearly any type of
> narrow-band signal such as CW, SSB, RTTY, NBFM, or AM although only
> the first four are recommended, being power-efficient and RF low duty cycle
> ---
> Bob,
> This is why the above thousands Satellite Experimenter's and User's
> mostly coming from the HF are actually waiting for P3-E and her
> transponders. Read again please:
>
> ".....when OSCAR-10 was released into space . The world's radio
> amateurs after more than 10 years of low orbit satellites and associated
> short visibility periods, at last tasted Amsat's policy of equivalence to a
> permantly open 14 MHz band with practically world wide communications."
>
> I hope that the original unchanged AMSAT's policy will be now clear for
> you.
>
> 73" de
>
> i8CVS Domenico
> Past President
> AMSAT-Italia
>
>
>
>
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1610. Re: my Fears as a new Oscar satellites fun

Yahoo group: eu-amsat
Date: 2008-05-30 07:00:46 UTC
From: Bratu Florian Gabriel
Topic: 1579 Message: 1610

You have right. I mean simply to operate.
A lot of problems exist for building molnya birds so that ivolved high tech and direct proportional a lot of money. So the solution?.....

1611. Re: my Fears as a new Oscar satellites fun (a correction)

Yahoo group: eu-amsat
Date: 2008-05-30 07:26:45 UTC
From: Allan Copland
Topic: 1579 Message: 1611

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...>
wrote:
>AO10 and AO13 satellites were complex machines as any Heo bird has
to be. HEO birds, and that has really been Molyiya's (Lightning..
Russian) to date *must* carry a complex orientation system, and that
means an onboard computer.

Apologies for a typo...Molyiya's should have read.. Molniya's

But of course!

> 73 Al.
> GM1SXX
>

1612. Change the tape and ditch the battery... oh, and the IHU !

Yahoo group: eu-amsat
Date: 2008-05-30 07:52:44 UTC
From: Allan Copland
Topic: 1612 Message: 1612

Hi Folks,

Luc makes the very valid point that we will have a long wait for a HEO. This is the very reason that many people, myself included would like a linear LEO in a half-decent orbit. The launch of Jubilee into such an ideal orbit but apparently without any sort of transponder on board has focused members on the need for a new replacement linear LEO bird that could take over from the ailing AO7.

Heo birds take a lot of time, money and effort to build and they also need to be maintained in orbit, over their lifetime, and in particular the attitude pointing.

By contrast, Linear LEO birds can be fairly simple, uncomplicated, relatively cheap, very long-lived (if you discard the battery), and immensely useful to end users, provided they are placed in a high enough orbit.

Ditch the battery and any sort of onboard computer and you won't even need a command station... except to disable the transponder at the end of it's active life. This is not an idea thats likely to find favour with the satellite builders (not enough of a challenge) but it would be of immense benefit to satellite users.

Some people will be horrified at the concept of a daylight only satellite but take a look at the history of amateur radio satellites and you'll see why this idea has merit. A simple batteryless linear LEO doesn't *need* a computer. Consider for a minute AO7. No battery and no computer. Thats the most likely explanation as to why it's currently 'semi-operational'.

Degradation of the solar arrays by intense radiation is probably the biggest issue with AO7. Modern coatings and nitriding would offer a replacement bird a longer lifespan than AO7 has currently enjoyed.

Words are cheap and life is short. P3E will not be launched any time soon, but a linear LEO in a decent orbit is something that probably CAN be done in a short timescale. I'd never suggest that funding should be diverted from P3E to help pay for such a program, but surely a Linear LEO would be of far more interest to the paying membership than some of the other 'diversions' in recent years.

73 Al.
GM1SXX

1613. Translation errors.

Yahoo group: eu-amsat
Date: 2008-05-30 08:16:17 UTC
From: John Hackett
Topic: 1613 Message: 1613

Hello Al,

Jubileiny/Jubilee and errors in translation.

This one brought to you curtesy of the Signals - (aka, a later La2qaa - from the 6 day (Arab/Israeli) war in 1968.

Message as written (CW) on the message pad

"Send reinforcements we're going to advance"

Message as received (CW) under the original.

"Send three and fourpence, we're going to a dance".

It should be noted - this was a result of 'boredon' while waiting for the diplomats to get off their collective 'bums' and actually *DO* something.

It also shows typical Brit humour in the face of adversity. Good for morale and all that jazz.

73 John. <la2qaa@...>

1614. Points to ponder.

Yahoo group: eu-amsat
Date: 2008-05-30 09:36:23 UTC
From: John Hackett
Topic: 1614 Message: 1614
Attachments: 1 described; binary payloads are missing from this source WARC

Re: 'Jubilee' speculation.

I have been advocating a 'wait and see' attitude for quite some time, unfortunately, few appear to be listening.

Proposed contact with Amsat-ru - EU-Amsat.

I mentioned this in a post on this bb *BEFORE* Jubilee became an issue. I have been in personal communication with Amsat-ru for quite some time ... since I mentioned it on the bb ... *NOBODY* west of the UK has shown the slightest interest whatsoever.

Attached is a letter from Alex Zaitsev informing me about the launch of Jubilee - please note the date - December 2007.

73 John. <la2qaa@...>

1615. Re: [eu-amsat] Change the tape and ditch the battery... oh, and the IHU !

Yahoo group: eu-amsat
Date: 2008-05-30 11:05:53 UTC
From: Thomas Frey
Topic: 1612 Message: 1615

Allan Copland schrieb:
> Hi Folks,
>

Hello Al and group

> Luc makes the very valid point that we will have a long wait for a
> HEO. This is the very reason that many people, myself included
> would like a linear LEO in a half-decent orbit. The launch of
> Jubilee into such an ideal orbit but apparently without any sort of
> transponder on board has focused members on the need for a new
> replacement linear LEO bird that could take over from the ailing AO7.
>
> Heo birds take a lot of time, money and effort to build and they
> also need to be maintained in orbit, over their lifetime, and in
> particular the attitude pointing.
>

I agree also with Luc, that we, I mean ALL AMSAT-organisations worldwide, concentrate our resources like money and manpower to ONE HEO-project. Is one project successfully completed and in orbit, we can go to the next one. The time to build satellites in garages and launch it free of charge is long long over. In the meantime Universities can build their CubeSats.
> By contrast, Linear LEO birds can be fairly simple, uncomplicated,
> relatively cheap, very long-lived (if you discard the battery), and
> immensely useful to end users, provided they are placed in a high
> enough orbit.
>
> Ditch the battery and any sort of onboard computer and you won't
> even need a command station... except to disable the transponder at
> the end of it's active life. This is not an idea thats likely to
> find favour with the satellite builders (not enough of a challenge)
> but it would be of immense benefit to satellite users.
>
> Some people will be horrified at the concept of a daylight only
> satellite but take a look at the history of amateur radio satellites
> and you'll see why this idea has merit. A simple batteryless linear
> LEO doesn't *need* a computer. Consider for a minute AO7. No battery
> and no computer. Thats the most likely explanation as to why it's
> currently 'semi-operational'.
>
> Degradation of the solar arrays by intense radiation is probably the
> biggest issue with A07. Modern coatings and nitriding would offer a
> replacement bird a longer lifespan than AO7 has currently enjoyed.
>

> Words are cheap and life is short. P3E will not be launched any time
> soon, but a linear LEO in a decent orbit is something that probably
> CAN be done in a short timescale. I'd never suggest that funding
> should be diverted from P3E to help pay for such a program, but
> surely a Linear LEO would be of far more interest to the paying
> membership than some of the other 'diversions' in recent years.
>
> 73 Al.
> GM1SXX
>
>
OK, we have now a Linear LEO in orbit, DO-64 (Delfi-C3). Lets wait
about 2 month and we will see if and how it will work.

Next projects with a lineartransponder are:

KiwiSat from AMSAT-ZL, see http://www.kiwisat.org.nz/

CAS-1 from CAMSAT (AMSAT China), see
http://www.amsat.org.uk/iaru/formal_detail.asp?serial=108 and
http://www.southgatearc.org/news/october2007/chinese_amateur_radio_satellite.htm

SSETI-ESEO from AMSAT-UK, see
Info-1
<http://www.sseti.net/index.php?option=com_content&task=category§ionid=22&id=37&Itemid=91>
Info-2 <http://www.esa.int/esaED/SEM29W9ATME_highereducation_0.html>
Info-3
<http://www.sseti.net/index.php?option=com_content&task=view&id=198&Itemid=107>
Artikel-1
<http://www.southgatearc.org/news/february2006/amsat-uk_new_transponder_project.htm>
Artikel-2
<http://www.uk.amsat.org/index.php?option=com_content&task=blogcategory&id=32&Itemid=150>
Artikel-3 <http://www.uk.amsat.org/content/view/643/68/> (I hope this
links works)

SATEDU from AMSAT-France, see http://www.amsat-france.org/satedu/

As you can see, there is no reason to whine for such a satellite.
The business to put a satellite into orbit is very hard and expensiv.
I applaud to every AMSAT-group for their courage to put a satellite
into space for our hobby.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1616. Re: [eu-amsat] Points to ponder.

Yahoo group: eu-amsat
Date: 2008-05-30 11:49:38 UTC
From: Thomas Frey
Topic: 1614 Message: 1616

John Hackett schrieb:
> Re: 'Jubilee' speculation.
>
> I have been advocating a 'wait and see' attitude for quite some time,
> unfortunately, few appear to be listening.
>
> Proposed contact with Amsat-ru - EU-Amsat.
>
> I mentioned this in a post on this bb *BEFORE* Jubilee became an
> issue. I have been in personal communication with Amsat-ru for quite
> some time ... since I mentioned it on the bb ... *NOBODY* west of the
> UK has shown the slightest interest whatsoever.
>
Hello John

In South East of UK is HB9SKA who is *VERY* interestet for such
informations and has compiled a list on the AMSAT-DL homepage:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102

;-)

Thanks and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1617. Re: Change the tape and ditch the battery... oh, and the IHU !

Yahoo group: eu-amsat
Date: 2008-05-30 12:31:22 UTC
From: Allan Copland
Topic: 1612 Message: 1617

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> As you can see, there is no reason to whine for such a satellite.
> The business to put a satellite into orbit is very hard and
expensiv.
> I applaud to every AMSAT-group for their courage to put a satellite
> into space for our hobby.

Hi Thomas, and the group.

I based my perceived need for a new LEO satellite around the data
published by the IARU satellite Frequency Co-ordinating pages where
you will see considerably fewer birds listed than on Thomas's list.

http://www.amsat.org.uk/iaru/

Of the birds in the frequency co-ordination process, most are
CUBESATS
or University 'me-too' downlink-only birds with no transponders and
as
such, of little use to radio amateurs seeking to actually *use*
satellites for communication, or more specifically, as I stated
earlier, linear transponder satellites.

Only a few of the satellites listed as 'in process' actually appear
to
carry any sort of transponders. I'm being a realist
here..a 'prospective satellite' on a long paper list is not the same
as one thats actually close to being a reality.

re your other suggestion...

>I agree also with Luc, that we, I mean ALL AMSAT-organisations
worldwide, concentrate our resources like money and manpower to ONE
HEO-project.

Well, isn't that the case anyway? LEO birds and HEO birds are very
different things and have to be treated as separate entities.
In *relative* terms, LEO's are cheap and HEO's are expensive.
They tend to be funded separately anyway.

You have not said anything that has changed my opinion.

Kind Regards,
Al.
GM1SXX

1618. Sats for DOGS #2

Yahoo group: eu-amsat
Date: 2008-05-30 12:48:41 UTC
From: Al copland
Topic: 1614 Message: 1618

Hi John,

RE: Amateur Satellites for the beginner.

See.
http://www.observations.biz/Joint_Observations/Observations_26_05_2008.htm

When part 2 arrives, I'll add both to the Joint OBS index.

Al.

All new Live Search at Live.com

http://clk.atdmt.com/UKM/go/msnnkmgl0010000006ukm/direct/01/

1619. RE: [eu-amsat] Points to ponder.

Yahoo group: eu-amsat
Date: 2008-05-30 18:05:06 UTC
From: John Hackett
Topic: 1614 Message: 1619

Hello Thomas,
My mail was primarily aimed at the Amsat-bb (but CC'd to the EU-Amsat group). Specifically, it was directed to the two gentlemen who suggested Amsat-NA make contact with Amsat-ru.

IMHO ... (my personal !!! opinion) ... Amsat-NA would never instigate a personal collaberation with Amsat-ru ... political issues would probably cloud any attempted debate.

I just wanted to let the gentleman concerned know that the satellite world does *NOT* start and end at the boundaries of The USA and it's allies ... In fact, several satellites have absolutely *NOTHING* to do with the USA ... even though they take it upon themselves to give them an Oscar number. This is *NOT* mandatory.

Al, GM1SXX has IMHO correctly stated that Jubilee is exactly !!! the same as the first Uosat satellite ... store and dump. That particular satellite also !!! used frequencies in the amateur satellite band.

Commander John Brannegan G4IHJ forwarned about this type of proceedure so it's nothing new like several of the Amsat-bb punters seem to think.

I attempt to keep EU-Amsat "up to date".

73 John. <la2qaa@...>
73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Fri, 30 May 2008 13:49:38 +0200
Subject: Re: [eu-amsat] Points to ponder.

John Hackett schrieb:

> Re: 'Jubilee' speculation.

>

> I have been advocating a 'wait and see' attitude for quite some time,

> unfortunately, few appear to be listening.

>

> Proposed contact with Amsat-ru - EU-Amsat.

>

> I mentioned this in a post on this bb *BEFORE* Jubilee became an

> issue. I have been in personal communication with Amsat-ru for quite

> some time ... since I mentioned it on the bb ... *NOBODY* west of the

> UK has shown the slightest interest whatsoever.

>

Hello John

In South East of UK is HB9SKA who is *VERY* interestet for such

informations and has compiled a list on the AMSAT-DL homepage:

http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102

;-)

Thanks and 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1620. Change the tape .....A 'long-life' satellite proposal.

Yahoo group: eu-amsat
Date: 2008-05-30 20:44:12 UTC
From: Allan Copland
Topic: 1612 Message: 1620

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> As you can see, there is no reason to whine for such a satellite.
> The business to put a satellite into orbit is very hard and expensiv.

Well Thomas, should you re-read my original posting, (Fri May 30, 2008) you may realise I was not 'whining' for such a satellite, but pointing out the blindingly obvious, but uncomfortable for some, fact that batteries, complexity and the dependence on onboard computers are the main reason that that *communications* satellites, both commercial and amateur, have short life expectancies.

LEO amateur communications satellites don't actually need computers, great complexity or batteries to operate reliably, at least in sunlight.

For those may not be aware, AO7 was launched with an already compromised battery... a 'space agency' cast-off that had already accumulated many cycles under test, that first failed in orbit in a short-circuit state, as most Ni-Cd batteries eventually do, only to go open-circuit many years later.

The battery failing open-circuit effectively removed the itself from service thus allowing the satellite to again work when in sunlight.

AO7 has proved beyond any reasonable doubt that simple but robust technology, a simple hard-wired command system and the transponder(s) can survive for a 'very long time' in a harsh radiation environment. AO7 is presently limited more by it's degraded power generation capability than anything else. Hardly unexpected given the severe radiation dose the solar generators have accumulated over it's 30+ years in orbit.

Delfi-c3 while a very interesting satellite, batteryless, and carrying a linear transponder, despite being a 'triple CUBESAT' has a rather meagre power generation ability to support a good linear transponder. Even a triple CUBESAT is a bit too small for this job. The linear transponder clearly does work, as has been demonstrated under test recently but my personal feeling is that a more sizeable battery-less bird (perhaps an eight inch cube) placed in an AO7 type orbit should be able to provide at least 20 years of good continuous service as a 'sunlight sat' with a decent downlink signal strength and sizeable footprint. The 'alligator' problem would cease to be a big issue... no battery to run down!

Such a 'minimalist' satellite, missing an IHU, battery, etc, could only be a cheaper option than any alternatives short of CUBESATS, heck, it would probably BE cheaper than a CUBESAT to manufacture.

Not only that, but it would offer the longest transponder life possible. Boring as hell for the builders, but very exciting for the users.

If I was 'whining' about anything, thats what I was whining about.

A radical approach to longevity. Of course, perhaps there's no call for long-lived semi-autonomous linear transponders in really useful orbits. Yes, it's a compromise, like most things in life, but I think it's an attractive one with real merit, especially for cash and launch opportunity strapped AMSAT groups. You just have to say it very slowly until it doesn't hurt so much ' n o b a t t e r y & n o I H U'. Attaboy!

The upside of this concept is very attractive indeed once you can get over the initial pain.

Kind Regards,
Al.

1621. Re: [eu-amsat] Re: Change the tape and ditch the battery... oh, and the IHU !

Yahoo group: eu-amsat
Date: 2008-05-30 20:09:26 UTC
From: Thomas Frey
Topic: 1612 Message: 1621

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> As you can see, there is no reason to whine for such a satellite.
>> The business to put a satellite into orbit is very hard and
>>
> expensiv.
>
>> I applaud to every AMSAT-group for their courage to put a satellite
>> into space for our hobby.
>>
>
> Hi Thomas, and the group.
>
> I based my perceived need for a new LEO satellite around the data
> published by the IARU satellite Frequency Co-ordinating pages where
> you will see considerably fewer birds listed than on Thomas's list.
>
> http://www.amsat.org.uk/iaru/
>
> Of the birds in the frequency co-ordination process, most are
> CUBESATS
> or University 'me-too' downlink-only birds with no transponders and
> as
> such, of little use to radio amateurs seeking to actually *use*
> satellites for communication, or more specifically, as I stated
> earlier, linear transponder satellites.
>
> Only a few of the satellites listed as 'in process' actually appear
> to
> carry any sort of transponders. I'm being a realist
> here..a 'prospective satellite' on a long paper list is not the same
> as one thats actually close to being a reality.
>

I agree with you Al. But there *are* a few projects for linear transponders
and DO-64 is in orbit. Again, no reason to whine.

> re your other suggestion...
>
>
>> I agree also with Luc, that we, I mean ALL AMSAT-organisations
>>
> worldwide, concentrate our resources like money and manpower to ONE

> HEO-project.
>
> Well, isn't that the case anyway?

No, it isn't. AMSAT-DL is building P3E and have nearly finished it. AMSAT-NA will build Eagle and transponders for an Intelsat (P4). That needs extra money and manpower. From Eagle I have seen nothing yet and about "P4-light" only flaming discussions on the AMSAT-BB.

> LEO birds and HEO birds are very
> different things and have to be treated as separate entities.
> In *relative* terms, LEO's are cheap and HEO's are expensive.
> They tend to be funded separately anyway.
>

Thats right. To fund CubeSats with its own launch is no problem as we all can see. An other possibility is to build a transponder and ride it piggypack.
But a HEO-satellite needs the support from *all* AMSAT-organisations at the same time. Otherwise the satellite stays on the ground.

> You have not said anything that has changed my opinion.
>
> Kind Regards,
> Al.
> GM1SXX
>
>

I want not change your opinion dear Allan. I have "underlined" your opinion with mine for other readers in this group. Except that for "Linear LEOs".

With all sorts of satellites (except a HEO) we have a wonderfull hobby. Its annoying for me after 22 years of satellite-operation to read always the whining mails, Sorry. I'm happy with every new satellite in orbit and will observe Yubileiny with special interest over the weekend. And also interesting
mails about it.

Mit freundlichen Gr?ssen, Kind Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1622. RE: [eu-amsat] Re: Change the tape and ditch the battery... oh, and the IHU !

Yahoo group: eu-amsat
Date: 2008-05-30 22:36:32 UTC
From: Al copland
Topic: 1612 Message: 1622

Hi folks.

Thomas said....(and I've cut this down to only his replies to avoid further confusion)...

> I agree with you Al. But there *are* a few projects for linear transponders
> and DO-64 is in orbit. Again, no reason to whine.
>
Who's whining?

If by DO-64 you mean Delfi-C3...I prefer real names to numbers... I'm happy for the builders and the users.
I've always has a positive attitude to Delfi-C3. I've said so in my web pages several times in the past.
Hey.. I'm delighted for the Delfi team AND the prospective LINEAR transponder users.

Whining how?

> No, it isn't. AMSAT-DL is building P3E and have nearly finished it. AMSAT-NA
> will build Eagle and transponders for an Intelsat (P4). That needs extra
> money and manpower. From Eagle I have seen nothing yet and about "P4-light"
> only flaming discussions on the AMSAT-BB.
>
I rarely read the BB. It's populated by a large percentage of people who can *only* see the AMSAT approved way of thinking. Any original thought is immediately flamed. IMHO not a healthy environment for anyone, so I generally avoid it.

Of course HEO's are not the same as LEOs with regard to funding. I stated so clearly in my original posting.
P3E is not being funded by one country, no HEO *ever* has been, so what is your complaint?

I personally strongly disagreed with the concept and execution of P3D but I still did all I could to help fund it. To this day I still believe it was lousy concept. I imagine you will probably find fault with this personal view also.

> Thats right. To fund CubeSats with its own launch is no problem as we all
> can see. An other possibility is to build a transponder and ride it
> piggypack.

Well CUBESAT's are usually funded by the taxpayer. They are mostly 'educational' ..'amateur radio'.. 'downlink only' short-lived satellites. Education... now, where would the money come from to pay for education? I work in the education business... and it *is* a business... paid for mainly from taxation with a little funding from commercial ventures.

> But a HEO-satellite needs the support from *all* AMSAT-organisations at the
> same time. Otherwise the satellite stays on the ground.

So what's new there? They do get international support. Always have done.

There is one trend in Amateur satellites thats gaining in ppularity... not a new idea.. it's been around a long time.
This is targeted donation.
Because some AMSAT organisations fund projects that many members consider to be not in their best interest, some people (myself included) now target donations directly to projects they support. AMSAT will suffer as an organisation if they don't listen to the wishes of their members. When were you last asked for *your* opinion by AMSAT?

Regards,
Al.
GM1SXX

---

http://clk.atdmt.com/UKM/go/msnnkmgl0010000009ukm/direct/01/

1623. Whining.

Yahoo group: eu-amsat
Date: 2008-05-31 07:10:24 UTC
From: John Hackett
Topic: 1612 Message: 1623

Gentlemen,
I believe the bone of contention is the word "whining" ... which in this context is equivalent to the 'American' *BITCHING*.

A word that is far !!! too strong to describe the various opinions put forward on this reflector.

A review of past messages will turn up that difference of opinion ...
and also the fact that nobody has been "WHINING".

As Mak has previously stated, reading CAREFULLY what is written will usually set the record straight. Since this is an internation forum where everyone isn't syllable perfect in the 'international' language it's imperative that one "THINK" before one speaks.

I am absolutely convinced !!! nobody is out to deliberately upset anyone else but an indiscriminate word *CAN* do just that.

73 John. <la2qaa@...> moderator EU-Amsat.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Fri, 30 May 2008 22:36:32 +0000
Subject: RE: [eu-amsat] Re: Change the tape and ditch the battery... oh, and the IHU !

Hi folks.

Thomas said....(and I've cut this down to only his replies to avoid further confusion)...

> I agree with you Al. But there *are* a few projects for linear transponders
> and DO-64 is in orbit. Again, no reason to whine.
>
Who's whining?

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I've always has a positive attitude to Delfi-C3. I've said so in my web pages several times in the past.
Hey.. I'm delighted for the Delfi team AND the prospective LINEAR transponder users.

Whining how?

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> will build Eagle and transponders for an Intelsat (P4). That needs extra
> money and manpower. From Eagle I have seen nothing yet and about "P4-light"
> only flaming discussions on the AMSAT-BB.
>
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healthy environment for anyone, so I generally avoid it.

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P3E is not being funded by one country, no HEO *ever* has been, so what is your complaint?

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> Thats right. To fund CubeSats with its own launch is no problem as we all
> can see. An other possibility is to build a transponder and ride it
> piggypack.

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> same time. Otherwise the satellite stays on the ground.

So what's new there? They do get international support. Always have done.

There is one trend in Amateur satellites thats gaining in ppularity... not a new idea.. it's been around a long time.
This is targeted donation.
Because some AMSAT organisations fund projects that many members consider to be not in their best interest, some people (myself included) now target donations directly to projects they support. AMSAT will suffer as an organisation if they don't listen to the wishes of their members. When were you last asked for *your* opinion by AMSAT?

Regards,
Al.
GM1SXX

Get fish-slapping on Messenger! Play Now

1624. Re: [eu-amsat] Whining.

Yahoo group: eu-amsat
Date: 2008-05-31 10:31:48 UTC
From: Thomas Frey
Topic: 1612 Message: 1624

John Hackett schrieb:
> Gentlemen,
> I believe the bone of contention is the word
> "whining" ... which in this context is equivalent to the 'American'
> *BITCHING*.
>
> A word that is far !!! too strong to describe the various opinions put
> forward on this reflector.
>
>
> _._,_.____

Gentlemen

My apologies for this too strong word "whining", but this is my
personal opinion. Again Sorry. For me this thread is closed now.

Mit freundlichen Gr?ssen, Kind Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1625. AO-7 log.

Yahoo group: eu-amsat
Date: 2008-06-01 07:01:18 UTC
From: John Hackett
Topic: 724 Message: 1625

For information only.

The AO-7 Resource Page Log has failed to roll over to June and doesn't appear to be accepting entries after the 31st of May.

73 John. <la2qaa@...>

1626. More AO-7 log

Yahoo group: eu-amsat
Date: 2008-06-01 07:43:27 UTC
From: John Hackett
Topic: 1626 Message: 1626

Contrary to my last ... the AO7 log now appears to be working ... "after a fashion" ... that is to say, it's still showing May (as at 09:30 UTC on the 1st of June) but entries do show June.

Corrections *CAN* be made by clicking on the magnifying glass at the left of the page providing you have ticked the "remember me" box.
You can only edit your own !!! entries ... in other words, you 'CANNOT* correct other people's mistakes.

73 John. <la2qaa@...>

1627. Re: [eu-amsat] More AO-7 log

Yahoo group: eu-amsat
Date: 2008-06-01 09:56:50 UTC
From: SV1BSX
Topic: 1626 Message: 1627

Hi John,

it is not first time - it happens that quite often when the "Month" changes.
After a few hours it should be 100% normal and the "June"
will be presented in a NEW page.

Don't worry about !

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Sunday, June 01, 2008 10:43 AM
Subject: [eu-amsat] More AO-7 log

Contrary to my last ... the AO7 log now appears to be working ... "after a fashion" ...
that is to say, it's still showing May (as at 09:30 UTC on the 1st of June) but entries do show June.

Corrections *CAN* be made by clicking on the magnifying glass at the left of the page
providing you have ticked the "remember me" box.
You can only edit your own !!! entries ... in other words, you 'CANNOT* correct other people's mistakes.

73 John. <la2qaa@...>

1628. RE: [eu-amsat] More AO-7 log

Yahoo group: eu-amsat
Date: 2008-06-01 11:20:17 UTC
From: John Hackett
Topic: 1626 Message: 1628

FB !! Mak,
Thanks,

73 John.

To: eu-amsat@...m
From: sv1bsx@...
Date: Sun, 1 Jun 2008 12:56:50 +0300
Subject: Re: [eu-amsat] More AO-7 log

Hi John,

it is not first time - it
happens that quite often when the "Month" changes.
After a few hours it should
be 100% normal and the "June"

will be presented in a NEW
page.

Don't worry about !

73, Mak SV1BSX

----- Original Message -----

From:
John Hackett
To: Eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Sent: Sunday, June 01, 2008 10:43
AM
Subject: [eu-amsat] More AO-7 log

Contrary to my last ... the AO7 log now appears to be working
... "after a fashion" ... that is to say, it's still showing May (as at 09:30
UTC on the 1st of June) but entries do show June.

Corrections *CAN* be
made by clicking on the magnifying glass at the left of the page providing you
have ticked the "remember me" box.
You can only edit your own !!! entries
... in other words, you 'CANNOT* correct other people's mistakes.

73
John. <la2qaa@...>

1629. Re: [amsat-bb] Re: To the Moon, Alice...

Yahoo group: eu-amsat
Date: 2008-06-06 20:25:12 UTC
From: Luc Leblanc
Topic: 1629 Message: 1629

On 6 Jun 2008 at 19:40, Trevor wrote:

> A BBC news report, with video, on the first mission by the United Kingdom to the moon can be seen at:
>
> Missile practice for Moon mission
> http://news.bbc.co.uk/1/hi/sci/tech/7438270.stm
>
> 73 Trevor M5AKA
>
>
For the sake of history just click on :

http://www.globalsecurity.org/org/news/2002/021106-gun.htm

And in your spare time just try some web engine search with theses key words "Gerald Bull"

We never know if we have the best gun...

http://www.royal-navy.mod.uk/server/show/nav.5877

You will burn yourself playing with fire!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1630. Scapegoats ... and other animals.

Yahoo group: eu-amsat
Date: 2008-06-08 07:41:34 UTC
From: John Hackett
Topic: 1630 Message: 1630

Subtitle: The case for polarisation switching.

Hello Al,
As you know, I work Sergey in Kamchatskaya (6800km) every weekend on AO-7 so "know" his signal.

As I have mentioned previously, like me, due to the mountains, he too, frequently uses knife-edge propagation as a "mode" on LEO's.

As you are of course aware, the polarisation of an electrical wave changes when 'reflected'.

This has to be taken into account when using knife-edge polariasation/reflection/refraction as a means to communicate via satellite (AO-7).

This morning, just to confirm that which I usually 'gob' about, I was 'active' with my polarisation switch. The difference in Sergey's signal was 'dramatic' with the signal strength varing between fully workable and totally unreadable.

Obviously, there are a few other parameters in the equation, propagation anomalies and what have you - but there's no question that the case for switchable polarisation on *LEO*'s is without a shadow of a doubt a distinct advantage when working more than 'spitting' distance.

73 John. <la2qaa@...>

Homepage: <http://www.observations.biz>

1631. Goliath

Yahoo group: eu-amsat
Date: 2008-06-10 07:04:53 UTC
From: Bratu Florian Gabriel
Topic: 1631 Message: 1631

http://interactdesign.ro/goliat/index.php?idlang=1

1632. Re: [eu-amsat] Goliath

Yahoo group: eu-amsat
Date: 2008-06-10 10:02:04 UTC
From: Thomas Frey
Topic: 1631 Message: 1632

Bratu Florian Gabriel schrieb:
> http://interactdesign.ro/goliat/index.php?idlang=1
>
>
>
Hello Florian

Thanks for the link. I look forward for an Englisch translated homepage.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1633. RS30

Yahoo group: eu-amsat
Date: 2008-06-11 04:59:53 UTC
From: Bratu Florian Gabriel
Topic: 1633 Message: 1633

Halo
I upload at files a recording of RS30 with analysis made with Baudline
and Sonic Visualiser and it seems that the transmision is not a SSTV,
but it look similar with meteo satellites NOAA.

1634. Re: Goliath

Yahoo group: eu-amsat
Date: 2008-06-11 05:07:11 UTC
From: Bratu Florian Gabriel
Topic: 1631 Message: 1634

Halo Thomas
The bird will be launched on 1 december with a Vega rocket and it has
a beacon transmiter on 437.485 Mhz- 1200 bauds and a photo camera on
2.4 Ghz transmitting images.
Also a micrometeorit tracer equipement.
The second will be mecanic coupled with Goliath with a special wire???
(a new technology) and possible a transporder. 73

1635. Re: [eu-amsat] RS30

Yahoo group: eu-amsat
Date: 2008-06-11 07:08:02 UTC
From: Al copland
Topic: 1633 Message: 1635

Hi,

You said...
> Halo
> I upload at files a recording of RS30 with analysis made with Baudline
> and Sonic Visualiser and it seems that the transmision is not a SSTV,
> but it look similar with meteo satellites NOAA.
>

There is not a lot of actual published information on the video format but it is likely to be a copy of the format used on early Russian satellites that carried TV cameras. It's not SSTV but likely to be some sort of early type of Automatic Picture Transmission format.

You can read what LA2QAA and myself know about Yubileiny and other Russian stuff at..

http://www.observations.biz/Observations_from_Russia/yub_intro.htm
and
http://www.observations.biz/Observations_from_Russia/index.htm

where there is also information on the forthcoming Chibis-1 mission.

Chibis-1 may or may not carry amateur radio equipment, it is primarily a science mission, but it employs a clever re-use of the Russian Progress freighter to undock from ISS with the Chibis-1 on board, filled with the station's trash, boost itself to 500Kms altitude, eject the Chibis-1 microsat, then perform it's usual re-entry and destructrion over the Pacific Ocean, but from the greater altitude of 500Kms. Chibis-1 is a mission to study lightning storms from 500Kms altitude.

73 Al.
GM1SXX
www.observations.biz

All new Live Search at Live.com

http://clk.atdmt.com/UKM/go/msnnkmgl0010000006ukm/direct/01/

1636. RE: [eu-amsat] RS30

Yahoo group: eu-amsat
Date: 2008-06-11 07:22:54 UTC
From: John Hackett
Topic: 1633 Message: 1636

Hello Al,
Yep!, if they actually read the messages posted on the reflector they would have seen mine re: my answer to the HB station.

What did I write? ... err ... (wait !! for it) ... APT !!!!.

Rather akin to the old ROBOT system. this was later republished
(by Mr "Know-it-all" himself, your favourite G3, Andy Thomas) on the Amsat-bb 3 days later - whereupon they immediately started squabbling about who did what to whom first and when regarding WX satellites.

My point? ... the *ORIGINAL* information came from The Russian Space Agency's website (and OBSERVATIONS) both of which have been there all the time !!! ... if only anyone had bothered to actually read them.

Bææ ... bææ ... bææ ... bææ ... (sheep are OK animals). Humans that emulate sheep are twits !!!!.

73 John.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Wed, 11 Jun 2008 07:08:02 +0000
Subject: Re: [eu-amsat] RS30

Hi,

You said...
> Halo
> I upload at files a recording of RS30 with analysis made with Baudline
> and Sonic Visualiser and it seems that the transmision is not a SSTV,
> but it look similar with meteo satellites NOAA.
>

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http://www.observations.biz/Observations_from_Russia/yub_intro.htm
and
http://www.observations.biz/Observations_from_Russia/index.htm

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73 Al.
GM1SXX
www.observations.biz

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1637. Chibis-1

Yahoo group: eu-amsat
Date: 2008-06-11 07:23:49 UTC
From: Allan Copland
Topic: 1637 Message: 1637

Hi Folks.

It seems very likely that the forthcoming Chibis-1 satellite will be like this.

http://iki.cosmos.ru/innov/eng/chibis33.htm

The website says this....

The first microsatellite of IKI RAN Kolibri-2000 was designed in the frame of Russian-Australian educational project and was launched from the ISS orbit in 2002. Presently, the second microsatellite Chibis is under development.

So it seems that Chibis-1 may well be a follow-on mission for Iki RAN's Kolibri-2000 mission.

This one, to be ejected from a Progress, is the second satellite in a series. The website contains a drawing of the new Chibis microsat craft. Chibis will be loaded into a container fitted inside the the Progress by the cosmonauts and the Progress will undock and be raised to 500Kms before the microsat is ejected into space.

73 Al.
GM1SXX

1638. Public apology

Yahoo group: eu-amsat
Date: 2008-06-11 07:43:32 UTC
From: John Hackett
Topic: 1638 Message: 1638

To all members of EU-Amsat and in particular Andy Thomas.

In a recent mail, I inadvertantly used Any Thomas's name in a less than complimentary way.

The person I was referring to was *NOT* Andy Thomas, it was a mistake on my part and I publicy apologise to Andy and the group in general for using a 'personal' form to describe something.

NOT !!!! one of my finest hours.

I repeat, the person concerned was *NOT* Any Thomas - I had my knickers in a twist and mentioned Andy when I in fact meant someone else ... (whom will now, due to my embarrassment, not be mentioned).

Andy, if you're reading this, I sincerely apologise, the damage is done and I regret my inpoliteness.

73 John. <la2qaa@...>

1639. Re: [eu-amsat] Re: Goliath

Yahoo group: eu-amsat
Date: 2008-06-11 09:23:16 UTC
From: Thomas Frey
Topic: 1631 Message: 1639

Bratu Florian Gabriel schrieb:
> Halo Thomas
> The bird will be launched on 1 december with a Vega rocket and it has
> a beacon transmiter on 437.485 Mhz- 1200 bauds and a photo camera on
> 2.4 Ghz transmitting images.
> Also a micrometeorit tracer equipement.
> The second will be mecanic coupled with Goliath with a special wire???
> (a new technology) and possible a transporder. 73
>
>
>
Hello Florian

Thanks for the infos. I will use it for the list "?bersicht aller
Amateurfunksatelliten" at
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102

But for the inaugural Vega launch I have a date for March 2009 from
NASA Space Calendar: http://www2.jpl.nasa.gov/calendar/#0903
Have you other infos ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1640. Re: [eu-amsat] RS30

Yahoo group: eu-amsat
Date: 2008-06-11 09:59:04 UTC
From: Thomas Frey
Topic: 1633 Message: 1640

Al copland schrieb:
> Hi,
>
> You said...
> > Halo
> > I upload at files a recording of RS30 with analysis made with Baudline
> > and Sonic Visualiser and it seems that the transmision is not a SSTV,
> > but it look similar with meteo satellites NOAA.
> >
>
> There is not a lot of actual published information on the video format
> but it is likely to be a copy of the format used on early Russian
> satellites that carried TV cameras. It's not SSTV but likely to be
> some sort of early type of Automatic Picture Transmission format.
>

Hello Al, Florian and group

Last weekend I observed the same modulation as Yubileiny has on
Mozhayets-4 (RS22) when it flew over Moscow. It sounds like a little
electro motor. After LOS Moscow the CW-beacon was activated again.
The same procedure I could observe a few month ago with an other,
I think a digital, modulation. Further I think, this was test
transmissions for the GLONASS-system. This modulation I've heard also
from Yubileiny on the first orbits before the WXsat transmissions.

This are my observations from Switzerland.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1641. IARU coordinated ?

Yahoo group: eu-amsat
Date: 2008-06-11 10:23:36 UTC
From: Thomas Frey
Topic: 1641 Message: 1641

Hello All

I hope, there are also a few Russian OM's in this group who read this mail.

It is foreseeable that more russian satellites will be launched after all the mails we have read now. If all the coming satellites uses the 435 MHz band like Mozhayets and Yubileiny then we have a strong problem with coming AMSAT-satellites like P3E. We can prevent this problem with a frequency coordination thru IARU: http://www.iaru.org/satellite/

But if the russian authorities and satellite builders nothing knows about IARU and theire frequency coordination they will happily use our HAM-frequencies and we have problems and troubles.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1642. Re: Goliath

Yahoo group: eu-amsat
Date: 2008-06-12 07:37:52 UTC
From: Bratu Florian Gabriel
Topic: 1631 Message: 1642

Halo Thomas
Sorry but i didn't have information about Vega
I shell look for an official calendar
73

1643. VEGA

Yahoo group: eu-amsat
Date: 2008-06-12 08:35:17 UTC
From: Allan Copland
Topic: 1643 Message: 1643

http://www.esa.int/SPECIALS/Launchers_Access_to_Space/ASEKMU0TCNC_0.html

Google was my friend :-)

Al.
GM1SXX

1644. VEGA.. more.

Yahoo group: eu-amsat
Date: 2008-06-12 09:21:17 UTC
From: Allan Copland
Topic: 1644 Message: 1644

Hi Folks.

VEGA is running late, over a year late at the moment and she's not yet ready. Here's one take on the launch date.

http://www.sworld.com.au/steven/space/ariane-man.txt

Arianespace are not saying much about VEGA. Being a new vehicle, that's hardly surprising. The program is behind schedule. For those in the group not familiar with VEGA, this is a new lighweight launcher from the Arianespace stable designed to launch small payloads of around 300-1500Kgs into Low Earth Orbit. Three solid propellant stages plus a liquid (hypergolic liquid)upper stage.

http://en.wikipedia.org/wiki/Vega_(launcher)
http://www.arianespace.com/site/launcher/vega_sub_index.html

Regards,
Al.
GM1SXX

1645. VEGA.. not much info.

Yahoo group: eu-amsat
Date: 2008-06-12 10:14:35 UTC
From: Allan Copland
Topic: 1645 Message: 1645

Hi Folks,

Gunther's space place has a link to a launch manifest that includes VEGA but it was old and inaccurate. The most recent one I found was for a late 2008 launch, but that seems highly optimistic to me. When the first launch will happen is anyone's guess, but I'd bet on next year sometime.
I also inadvertently pasted in the wrong wikipedia link for VEGA.
It should have been.. http://en.wikipedia.org/wiki/Vega_(launcher)

VEGA seems to have been born out of a perceived need in Europe for a small launcher to replace European launches that currently take place on other countries launchers. It seems to have had quite a costly development and is not expected to be a profitable venture. But there is a need for such a vehicle.

I'm just as interested to know when Soyuz will start flying from Korou now that work is underway on the new launch pad there.

73 Al.
GM1SXX

1646. AtmoCube

Yahoo group: eu-amsat
Date: 2008-06-12 11:48:38 UTC
From: Thomas Frey
Topic: 1646 Message: 1646

Hello all

AtmoCube from Trieste, Italy, is also one of the 9 scheduled CubeSats.
Here is an excerpt from their mission page:

> AtmoCube <javascript:;> is realized with commercial electronic
> components and will be equipped with a processor capable of
> controlling communications in the radio amateur bands. The instrument
> will be characterized by a reduced power consumption, a few watts.
>
> The project has a strong educational interest. The University and the
> other institutions with their infrastructures (laboratories,
> mechanical and electronics workshops) and the students to improve
> their scientific and technical knowledge and capabilities, are
> supporting the project.

Homepage: http://www2.units.it/~atmocube/

This is a "strong educational" satellite which uses the "radio amateur
band". This satellite is also NOT coordinated by IARU.

Happy "cubing" ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1647. Re: AtmoCube

Yahoo group: eu-amsat
Date: 2008-06-12 13:47:51 UTC
From: Allan Copland
Topic: 1646 Message: 1647

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> AtmoCube from Trieste, Italy, is also one of the 9 scheduled CubeSats.

edited from original..

> This is a "strong educational" satellite which uses the "radio amateur band". This satellite is also NOT coordinated by IARU.

I believe the problem of non-co-ordination is one that will rapidly escalate and is not about to 'go away' any time soon.

Strange how so very few of these birds carry anything of real use to the average amateur satellite fan, yet they employ amateur radio allocations. This is my personal opinion, to which I am entitled. I am not the only person around to hold this opinion. I do talk to other radio amateurs.

If anyone with an ounce of clout in the International community reads these pages, I'd respectfully suggest that a move be made to initiate a shift of 'Educational satellites' off the amateur allocations and into an *Internationally negotiated* separate region of the radio spectrum.

I have nothing whatsoever against CUBESAT's but thanks to the rapid proliferation of these 'educational' birds, they are in great danger of overwheming the fairly narrow amateur satellite allocations that radio amateurs have available on the VHF and UHF amateur bands for their transponder based satellites.

No amount of IARU co-ordination is likely to result in a workable plan for *all* of the CUBSATS in orbit *and* under construction.

Perhaps the builders of these satellites should be campaigning for a separate 'Educational satellite' frequency allocation, rather than competing for scare spectrum space in the Amateur Satellite Service.

Lest anyone wants to shoot me down for making such a heinous suggestion, I *do* realise that 70Cms is a secondary allocation for radio amateurs. I do also realise that the *amateur satellite* segments on 2M and 70Cms are fast disappearing under the pressures of the educational users.

The UoS started the rot in 1981 with UoSAT1 and the later UoSAT2 but at least instigated a move of most subsequent projects into commercial frequency bands.

In message # 1641, Thomas Frey said...
>If all the coming satellites uses the 435 MHz band like Mozhayets and

Yubileiny then we have a strong problem with coming AMSAT-satellites like P3E. We can prevent this problem with a frequency coordination thru IARU: http://www.iaru.org/satellite/

I do agree with Thomas that this is a problem, but I disagree that frequency co-ordination is the answer. There are just too many of these birds competing for spectrum-space in what is a strictly limited resource.

The real answer seems to be to accept these birds for what they are (College and University satellites.... not amateur radio ones), and negotiate separate spectrum space for them. Surely that would be a better solution than the situation we are currently in?

With TV in many, if not most countries going digital, perhaps another allocation could be found for these satellites in the UHF spectrum for Educational satellites.

73 Al.
GM1SXX
(Trying to offer a pragmatic solution to a growing problem)

1648. Warnings.

Yahoo group: eu-amsat
Date: 2008-06-12 15:35:10 UTC
From: John Hackett
Topic: 1646 Message: 1648

The waning about "educational" satellites, in the "AMATEUR satellite portion of the spectrum, coordinated by the IRAU or not - has been given often enough.

I think a lot of folks - far too late in my opinion - are finally becoming aware that we (amateurs) *ARE* going to lose out to a proliferation of unlicensed university students.

Like sheep, they will copy what last week's university did ... and so on ... and so on ... and so on.

It has been stated on The Amsat-bb that this is a good "training ground" for future space engineers ... wishful thinking and a good excuse ... but IMHO t doesn't hold water.

The reason they use the amateur frequencies is because it's FREE.

Me too ... me too ... me too ... me too ... me too ... me too ...

Bææ ... bææ ... bææ ... bææ ... (probably an insult to sheep).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Thu, 12 Jun 2008 13:47:51 +0000
Subject: [eu-amsat] Re: AtmoCube

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> AtmoCube from Trieste, Italy, is also one of the 9 scheduled CubeSats.

edited from original..

> This is a "strong educational" satellite which uses the "radio

amateur band". This satellite is also NOT coordinated by IARU.

I believe the problem of non-co-ordination is one that will rapidly

escalate and is not about to 'go away' any time soon.

Strange how so very few of these birds carry anything of real use to

the average amateur satellite fan, yet they employ amateur radio

allocations. This is my personal opinion, to which I am entitled.

I am not the only person around to hold this opinion. I do talk to

other radio amateurs.

If anyone with an ounce of clout in the International community reads

these pages, I'd respectfully suggest that a move be made to initiate a shift of 'Educational satellites' off the amateur allocations and into an *Internationally negotiated* separate region of the radio spectrum.

I have nothing whatsoever against CUBESAT's but thanks to the rapid proliferation of these 'educational' birds, they are in great danger of overwheming the fairly narrow amateur satellite allocations that radio amateurs have available on the VHF and UHF amateur bands for their transponder based satellites.

No amount of IARU co-ordination is likely to result in a workable plan for *all* of the CUBSATS in orbit *and* under construction.

Perhaps the builders of these satellites should be campaigning for a separate 'Educational satellite' frequency allocation, rather than competing for scare spectrum space in the Amateur Satellite Service.

Lest anyone wants to shoot me down for making such a heinous suggestion, I *do* realise that 70Cms is a secondary allocation for radio amateurs. I do also realise that the *amateur satellite* segments on 2M and 70Cms are fast disappearing under the pressures of the educational users.

The UoS started the rot in 1981 with UoSAT1 and the later UoSAT2 but at least instigated a move of most subsequent projects into commercial frequency bands.

In message # 1641, Thomas Frey said...

>If all the coming satellites uses the 435 MHz band like Mozhayets and Yubileiny then we have a strong problem with coming AMSAT-satellites like P3E. We can prevent this problem with a frequency coordination thru IARU: http://www.iaru.org/satellite/

I do agree with Thomas that this is a problem, but I disagree that frequency co-ordination is the answer. There are just too many of

these birds competing for spectrum-space in what is a strictly limited resource.

The real answer seems to be to accept these birds for what they are (College and University satellites.... not amateur radio ones), and negotiate separate spectrum space for them. Surely that would be a better solution than the situation we are currently in?

With TV in many, if not most countries going digital, perhaps another allocation could be found for these satellites in the UHF spectrum for Educational satellites.

73 Al.

GM1SXX

(Trying to offer a pragmatic solution to a growing problem)

1649. Re: Warnings.

Yahoo group: eu-amsat
Date: 2008-06-12 18:21:58 UTC
From: Bratu Florian Gabriel
Topic: 1646 Message: 1649

Well, it is possible somehow to stop this fenomena ?
IARU know the problem?

1650. Re: [eu-amsat] Re: AtmoCube

Yahoo group: eu-amsat
Date: 2008-06-12 21:36:22 UTC
From: Thomas Frey
Topic: 1646 Message: 1650

Allan Copland schrieb:
>
> The UoS started the rot in 1981 with UoSAT1 and the later UoSAT2 but
> at least instigated a move of most subsequent projects into commercial
> frequency bands.
>

Hello Al. Theoretically UoS started the rot 1981. But (a great BUT), you can not compare the UoSats with the CubeSats. My opinion is, the rot began 1997 with Radio-Sputnik 17/Spoutnik-40 (http://www.amsat-france.org/spipamsat/article.php3?id_article=59). You can follow the stories and infos about old OSCARs and Sputniks on my list at AMSAT-DL.

> In message # 1641, Thomas Frey said...
>
>> If all the coming satellites uses the 435 MHz band like Mozhayets and
>>
> Yubileiny then we have a strong problem with coming AMSAT-satellites
> like P3E. We can prevent this problem with a frequency coordination
> thru IARU: http://www.iaru.org/satellite/
>
> I do agree with Thomas that this is a problem, but I disagree that
> frequency co-ordination is the answer. There are just too many of
> these birds competing for spectrum-space in what is a strictly limited
> resource.
>

Yes, its not *the* answer. But the gentlemen in the IARU-satellite-group makes a great job. They coordinates the CubeSats into the 437 MHz band and the AMSAT-satellites into the 435/436 MHz bands. This is the only way to prevent frequency collissions. If all the coming russian satellites are not coordinated in this way and they sends on 435 MHz, then we become troubles on the future transponders.

> The real answer seems to be to accept these birds for what they are
> (College and University satellites.... not amateur radio ones), and
> negotiate separate spectrum space for them. Surely that would be a
> better solution than the situation we are currently in?
>
>

No Al, I disagree. You can not accept the situation with the CubeSats. This is a very big business now. You have to accept, that this Cubesats are selled with the consideration, that the unis can communicate in the HAM-bands. You can not "negotiate separate spectrum space" if this space is not present. There is a commercial requirement for this space and this

frequencies are expensiv. This is the reason, why the unis communicates with our frequencies.

The "real answer" is, that AMSAT-groups works closely together with the Universities.

> With TV in many, if not most countries going digital, perhaps another
> allocation could be found for these satellites in the UHF spectrum for
> Educational satellites.
>
>

Hmm... are you shure ? You have forgotten the commerce.

> 73 Al.
> GM1SXX
> (Trying to offer a pragmatic solution to a growing problem)
>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1651. Re: AtmoCube

Yahoo group: eu-amsat
Date: 2008-06-13 07:49:14 UTC
From: Allan Copland
Topic: 1646 Message: 1651

Hi Thomas, and the group.

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> Hello Al. Theoretically UoS started the rot 1981. But (a great BUT),
> you can not compare the UoSats with the CubeSats. My opinion is, the
> rot began 1997 with Radio-Sputnik 17/Spoutnik-40
> (http://www.amsat-france.org/spipamsat/article.php3?id_article=59).
> You can follow the stories and infos about old OSCARs and Sputniks
on > my list at AMSAT-DL.

Agreed, that RS-17 preceded UoSat 1&2 but the fact remains that there is a problem, and it's a *growing* problem thats not about to just 'go away.

No amount of wishful thinking and IARU co-ordination can make the limited band space, especially on 2M and 70Cms any bigger.

These bands the the ones that most radio amateurs with an interest in satellite work have equipment for and want to use, prime band space, if you will, for transponder birds.

Why not move transponder-less birds to higher frequency bands?
Not only would this help free space on 2 and 70Cms for tranponder-only operation, it would also give CUBESAT's, 'me-too sats', and downlink only birds a whole new technical challenge.

The IARU don't seem to be willing to confront what is a growing problem on the 2M & 70Cms amateur satellite allocations. Perhaps they don't see it as 'their' problem.

One thing is for sure, if nothing is done, and soon, things will really get out of control.

73 Al.
GM1SXX

1652. A suggestion.

Yahoo group: eu-amsat
Date: 2008-06-13 11:19:42 UTC
From: John Hackett
Topic: 1646 Message: 1652

As long as university "ME TOO" !!! satellites are allowed to use the amateur radio frequencies in the guise of PROVIDING A SERVICE TO RADIO AMATEURS - (those are not !!! my words) - for FREE !!! ... mark my words, they will *NOT* !!! go away and the potential problem will increase with time if something isn't done.

Despite being forewarned, it's now far too late to - "nip it in the bud" - but perhaps not yet too late for a referendum and consequent letter to the body concerned with issuing these frequencies ... that is of course assuming there are enough people who can see the consequences if nothing is done.

I agree with GM1SXX ... move the university satellites to a higher band and give them some extra challenges ... component selection, doppler, auto tracking ... etc.

That !!!! will sort out the wheat from the chaff and pinpoint those who *ARE* interested in becoming the next generation of space engineers.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Fri, 13 Jun 2008 07:49:14 +0000
Subject: [eu-amsat] Re: AtmoCube

Hi Thomas, and the group.

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> Hello Al. Theoretically UoS started the rot 1981. But (a great BUT),

> you can not compare the UoSats with the CubeSats. My opinion is, the

> rot began 1997 with Radio-Sputnik 17/Spoutnik-40

> (http://www.amsat-france.org/spipamsat/article.php3?id_article=59).

> You can follow the stories and infos about old OSCARs and Sputniks

on > my list at AMSAT-DL.

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The IARU don't seem to be willing to confront what is a growing problem on the 2M & 70Cms amateur satellite allocations. Perhaps they don't see it as 'their' problem.

One thing is for sure, if nothing is done, and soon, things will really get out of control.

73 Al.

GM1SXX

1653. Re: [eu-amsat] A suggestion.

Yahoo group: eu-amsat
Date: 2008-06-13 11:46:20 UTC
From: Trevor
Topic: 1646 Message: 1653

--- On Fri, 13/6/08, John Hackett <archie.hackett@...> wrote:
> No amount of wishful thinking and IARU co-ordination can make the
> limited band space, especially on 2M and 70Cms any bigger.

See the Cavtat 08 IARU Region 1 Conference Papers that were made available last month.

A link to them is available via:

IARU-R1 Cavtat papers available
http://www.southgatearc.org/news/may2008/cavtat_papers.htm

Amateur Satellite related papers that will be submitted to the conference are:

Sat Advisor Support for satellite frequency coordination
144 MHz increased satellite service
3400 MHz amateur satellite allocation
Microwave spectrum requirements
A new vision for 23 cm
Amateur satellites handbook chapter
Microwave spectrum requirements
VHF spectrum requirements

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1654. Re: [eu-amsat] A suggestion.

Yahoo group: eu-amsat
Date: 2008-06-13 12:19:13 UTC
From: Thomas Frey
Topic: 1646 Message: 1654

John Hackett schrieb:
> As long as university "ME TOO" !!! satellites are allowed to use the
> amateur radio frequencies in the guise of PROVIDING A SERVICE TO RADIO
> AMATEURS - (those are not !!! my words) - for FREE !!! ... mark my
> words, they will *NOT* !!! go away and the potential problem will
> increase with time if something isn't done.
>
> Despite being forewarned, it's now far too late to - "nip it in the
> bud" - but perhaps not yet too late for a referendum and consequent
> letter to the body concerned with issuing these frequencies ... that
> is of course assuming there are enough people who can see the
> consequences if nothing is done.
>
> I agree with GM1SXX ... move the university satellites to a higher
> band and give them some extra challenges ... component selection,
> doppler, auto tracking ... etc.
>
> That !!!! will sort out the wheat from the chaff and pinpoint those
> who *ARE* interested in becoming the next generation of space engineers.
>
> 73 John. <la2qaa@ amsat.org>
>
> ---
>
>
>

Hello John

As you write, "it's now far too late". But you can start a referendum.
With the web it's no problem, you have my support. Here is a first
contact address: http://www.cubesatkit.com/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1655. Correction.

Yahoo group: eu-amsat
Date: 2008-06-13 15:08:12 UTC
From: John Hackett
Topic: 1646 Message: 1655

Trevor,
Thank you for crediting me with ... "no amount of wishful thinking" etc ... in your mail - (below) - but it was in fact GM1SXX not me, who wrote this sentence ... it appeared as a CC in mail nr 1651 by Thomas Frey.

I *HAVE* used the phrase "wishful thinking" recently but the context was in reply to an opinion on the Amsat-bb that the University "me too" satellites provide a service to amateur radio, something I don't agree with. I believe they use amateur frequencies simply because they are FREE.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@yahoo.co.uk
Date: Fri, 13 Jun 2008 11:46:20 +0000
Subject: Re: [eu-amsat] A suggestion.

--- On Fri, 13/6/08, John Hackett <archie.hackett@...> wrote:

> No amount of wishful thinking and IARU co-ordination can make the

> limited band space, especially on 2M and 70Cms any bigger.

See the Cavtat 08 IARU Region 1 Conference Papers that were made available last month.

A link to them is available via:

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Amateur Satellite related papers that will be submitted to the conference are:

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3400 MHz amateur satellite allocation

Microwave spectrum requirements

A new vision for 23 cm

Amateur satellites handbook chapter

Microwave spectrum requirements

VHF spectrum requirements

73 Trevor M5AKA

Sent from Yahoo! Mail.

A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1656. Re: [amsat-bb] News Release: Satellite Launch

Yahoo group: eu-amsat
Date: 2008-06-14 01:25:20 UTC
From: Luc Leblanc
Topic: 1656 Message: 1656

On 13 Jun 2008 at 12:20, Michael L Miller wrote:

> Please put the following on the bb and on the ANS.
>
> PreSat and NanoSail-D Beacon Alerts
>
> Santa Clara University students invite amateur radio operators worldwide
> to participate with them by receiving beacon signals from PreSat and
> NanoSail-D, two pioneering cubesat missions that will launch from the
> Reagan Test Site (Omelek Island, Kwajalein Atoll, Republic of Marshall
> Islands) on June 23, 2008 at about 7:00 pm PDT. Both spacecraft will go
> into Low Earth Orbit as secondary payloads aboard a SpaceX Falcon-1 launch
> vehicle. The vehicles will be launched into a 685x330 km, 9 degree orbit,
> with line of site communications only possible at low latitudes.

9 degrees I just figure out WHO can copy this bird? I "planned" to visit Dry Tortugas islands this summer while trying to activate some
"rare grids" but to be able to copy this one i will have to lived below Caracas Venezuala and up Macao Brazil! I "guess" some clever
student planned this orbit to get a "XYZ" ride to central/south america... I cannot blame them as if technology has been present couples of
years ago i don't know if i will be writing the same text? Anyway it is not worse or better than any other DXpedition but it is quite a
technical challenge for those students... A SOURCE OF INSPIRATION COULD BE?

In the context of IARU amateur band "surveillance/kind of rulings" i try to figure out how it is manadged. I it as the united nation was
supposed to be a democratic well balance forum or something else?

Your answers will probalby awake our satellite old sleeping beauty...

In the mean time see you on the birds!

FROM THE PRESS ROOM

On AO-51 V/S mode the week has been quite QUIET as AO-40 was at time...Without the infamous LEILA! A big thank's for the commanding team i
just hope they will go for another one as many folk's are building up their "Killing" apparatus on S band.

P.S. If someone can show me how to copy AO-51 nulling out the fades i will pay him a 807

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1657. Skeds ... not skids.

Yahoo group: eu-amsat
Date: 2008-06-14 13:14:16 UTC
From: John Hackett
Topic: 1657 Message: 1657

Hello Al,
The only 'sure' thing seems to be the weekend skeds with Kamchatskaya ... of this I am proud ("chuffed" to you) because it shows that QRP can and does get through in less than optimun conditions (see the low propagation index) on AO-7 ... mind you, more than 5 stations at the same time and the old girl starts throwing a wobbler ... (for those unfamiliar with "Manchester" slang - it means FM'ing ... ie, AO-7 can only sustain 5 QSO's simulataniously, any more and she starts "complaining".

For the experienced operators ... please explain to your newcomer friends why AO-7 is a QRP satellite and why the power budget is as it is ... and give a friendly nod to those using too much power.

If you !!! had 32 years of spacedust on your !!! panels - you'd probably be feeling a bit under the weather too.

As GM1SXX is wont to say ... aluminium is cheap ... improve your receiving capabilities.

73 John. <la2qaa@...>

1658. AO-7 portable

Yahoo group: eu-amsat
Date: 2008-06-14 17:45:39 UTC
From: John Hackett
Topic: 1658 Message: 1658
Attachments: 4 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. June 2008.

THE LA2QAA PORTABLE AO-7 STATION.

The portable station comprises the following items of equipment.

FT-290RII receiver.
0.4dB preamp
Headphones.
FT-790 700mW transmitter + mic
Homebrew 10w amplifier
Homebrew keyer and paddle
5 amp gel battery
Assorted cables
Split boom Arrow aerial - (diplexer removed)
Lightweight collapsable tripod camera
Shopping trolley/back-pack - (with handle & wheels)
Noka phone with SATme tracking software.
Bluetooth GPS - (position)
Orienteering compass
Creative Zen MP3 recorder

Everything packs down into the shopping trolley and takes approximately 5 minutes to set up.

Thereare several photos included in this short article. The rigs are selfexplanitory, they are light and easy to operate with gloves on in thewinter months. The aerial is the split boom Arrow with 7 elements on70cm and 3 elements on 2m. Remember, this is a QRP station for a QRPsatellite so you don't want to be lugging
around too muchaluminium. The lighweight collapsable camera tripod is very handy formounting the aerial for when your arms get tired from waving yourpointy stick at the sky.

The Nokia phone is essential since ithas the SATme tracking program installed. Remember to update the kepsbefore you hit the road. The Holux Bluetooth GPS receiver is selfexplanitory. If you move a fair distance from a previously setoperating position you'll want to know where you are and the GPS willtell you
- as well as give you the precise time for your tracking program.

Theelectronic keyer is built into a small spice box. Note the paddles ...they're *RIPPED* out of a standard joystick and perform exellently ...OK, not 'Bencher' standard but almost !!.

A boom mic attached to your headset, with a VOX could be an advantage too.

Theattenuator is a small homebrew -10dB item for the RA30H4047M 'brick'amplifier which is built into an aluminium lunchbox with forced aircooling from a small computer fan - 'heavy' heatsink material wasdeemed to be too clumsy for portable operation. The PA runs at 10woutput to keep it in the 'official' QRP limit.

The 5 amp battery is a gel type so it doesn't matter if it rolls over in your backpack/trolley.

Needlessto say, it's a geat advantage when operating portable to useheadphones. The signals *WILL* be weaker than those from the averagebase station so I would appreciated if people also try to work the weakones as well as the exotic DX.

Remember, Frei Island is IOTA-EU-36 and anyone working me portable will receive a special AO-7 anniversay QSL card on request.

Freiis surrounded by mountains except to my north so being portable is adefinate advantage when the bird is coming up from my south.

73 John. <la2qaa@...

1659. RE: [eu-amsat] AO-7 portable

Yahoo group: eu-amsat
Date: 2008-06-14 18:45:57 UTC
From: Dimitrios Pallis
Topic: 1658 Message: 1659

very good idea john!!!
i have build an antenna for a greek small dxpendition on July 13 with a special call sign SX1FRE
you can read some infos there
http://sx1fre.blogspot.com/2008/04/greek-ancient-system-of-communication.html
I hope that i have with you a qso some day on SSB. I dont know CW but with MAkis advices i am learning it
Unfortunatelly i am not ready yet to operate CW on satellites.... I have a lot of thinks to learn...

Also i never HAd a qso with Mika too!!

73 de sw1jgw

DP

To: eu-amsat@yahoogroups.comFrom: archie.hackett@...: Sat, 14 Jun 2008 19:45:39 +0200Subject: [eu-amsat] AO-7 portable

OBSERVATIONS FROM NORWAY. June 2008.THE LA2QAA PORTABLE AO-7 STATION.The portable station comprises the following items of equipment.FT-290RII receiver.0.4dB preampHeadphones.FT-790 700mW transmitter + micHomebrew 10w amplifierHomebrew keyer and paddle5 amp gel batteryAssorted cablesSplit boom Arrow aerial - (diplexer removed)Lightweight collapsable tripod cameraShopping trolley/back-pack - (with handle & wheels)Noka phone with SATme tracking software.Bluetooth GPS - (position) Orienteering compassCreative Zen MP3 recorderEverything packs down into the shopping trolley and takes approximately 5 minutes to set up.Thereare several photos included in this short article. The rigs are selfexplanitory, they are light and easy to operate with gloves on in thewinter months. The aerial is the split boom Arrow with 7 elements on70cm and 3 elements on 2m. Remember, this is a QRP station for a QRPsatellite so you don't want to be lugging around too muchaluminium. The lighweight collapsable camera tripod is very handy formounting the aerial for when your arms get tired from waving yourpointy stick at the sky.The Nokia phone is essential since ithas the SATme tracking program installed. Remember to update the kepsbefore you hit the road. The Holux Bluetooth GPS receiver is selfexplanitory. If you move a fair distance from a previously setoperating position you'll want to know where you are and the GPS willtell you - as well as give you the precise time for your tracking program.Theelectronic keyer is built into a small spice box. Note the paddles ...they're *RIPPED* out of a standard joystick and perform exellently ...OK, not 'Bencher' standard but almost !!.A boom mic attached to your headset, with a VOX could be an advantage too.Theattenuator is a small homebrew -10dB item for the RA30H4047M 'brick'amplifier which is built into an aluminium lunchbox with forced aircooling from a small computer fan - 'heavy' heatsink material wasdeemed to be too clumsy for portable operation. The PA runs at 10woutput to keep it in the 'official' QRP limit.The 5 amp battery is a gel type so it doesn't matter if it rolls over in your backpack/trolley.Needlessto say, it's a geat advantage when operating portable to useheadphones. The signals *WILL* be weaker than those from the averagebase station so I

would appreciated if people also try to work the weakones as well as the exotic DX.Remember, Frei Island is IOTA-EU-36 and anyone working me portable will receive a special AO-7 anniversay QSL card on request.Freiis surrounded by mountains except to my north so being portable is adefinate advantage when the bird is coming up from my south.73 John. <la2qaa@...

_____
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http://search.live.com/cashback/?&pkw=form=MIJAAF/publ=HMTGL/crea=srchpaysyouback

1660. RE: [eu-amsat] AO-7 portable

Yahoo group: eu-amsat
Date: 2008-06-15 07:32:13 UTC
From: John Hackett
Topic: 1658 Message: 1660

Dimitrios,
Very pleased to know you my friend. Mak has told me about you. He says you're a very clever man indeed.

He may also have mentioned, we started EU-Amsat together.

I certainly look forward to working you on CW sometime. At the moment, my home station amplifier is *NOT* linear so I can only use it on CW. If I try to use SSB the signal is *VERY* distorted so I will not put distortion on AO-7.

The exciter (FT-790) only has 700mW barefoot so I *have* to use the amplifier ... it's a modified mobile phone base station amp ... so unfotunately, I'n "stuck" on CW until I get time to modify the amp to make it "linear".

I suppose Mak has told you about <http://www.observations.biz>
You are very welcome to write your experiences Dimitrios, I'm sure they will be of interest to others and we'd love to have an
"Observations from Greece" article ... new operators to amateur satellites are *MOST* !!!!!! welcome.

Do *NOT* !!! worry about language, spelling etc - I'll edite things and send it back for your approval and permission before publishing anything. You do *NOT* have to be a professional writer. Tell us anything !! ... about your station, who you work, whatever !!.

Have a ood day Dimitrios.

73 John. <la2qaa@...> EU-Amsat moderator.

Homepage: www.observations.biz

To: eu-amsat@yahoogroups.com
From: mc90606@...
Date: Sat, 14 Jun 2008 18:45:57 +0000
Subject: RE: [eu-amsat] AO-7 portable

very good idea john!!!

i have build an antenna for a greek small dxpendition on July 13 with a special call sign SX1FRE

you can read some infos there

http://sx1fre.blogspot.com/2008/04/greek-ancient-system-of-communication.html

I hope that i have with you a qso some day on SSB. I dont know CW but with MAkis advices i am learning it

Unfortunatelly i am not ready yet to operate CW on satellites.... I have a lot of thinks to learn...

Also i never HAd a qso with Mika too!!

73 de sw1jgw

DP

To: eu-amsat@yahoogroups.com
From: archie.hackett@...
Date: Sat, 14 Jun 2008 19:45:39 +0200
Subject: [eu-amsat] AO-7 portable

OBSERVATIONS FROM NORWAY. June 2008.

THE LA2QAA PORTABLE AO-7 STATION.

The portable station comprises the following items of equipment.

FT-290RII receiver.
0.4dB preamp
Headphones.
FT-790 700mW transmitter + mic
Homebrew 10w amplifier
Homebrew keyer and paddle
5 amp gel battery
Assorted cables
Split boom Arrow aerial - (diplexer removed)
Lightweight collapsable tripod camera
Shopping trolley/back-pack - (with handle & wheels)
Noka phone with SATme tracking software.
Bluetooth GPS - (position)
Orienteering compass
Creative Zen MP3 recorder

Everything packs down into the shopping trolley and takes approximately 5 minutes to set up.

Thereare several photos included in this short article. The rigs are selfexplanitory, they are light and easy to operate with gloves on in thewinter months. The aerial is the split boom Arrow with 7 elements on70cm and 3 elements on 2m. Remember, this is a QRP station for a QRPsatellite so you don't want to be lugging
around too muchaluminium. The lighweight collapsable camera tripod is very handy formounting the aerial for when your arms get tired from waving yourpointy stick at the sky.

The Nokia phone is essential since ithas the SATme tracking program installed. Remember to update the kepsbefore you hit the road. The Holux Bluetooth GPS receiver is selfexplanitory. If you move a fair distance from a previously setoperating position you'll want to know where you are and the GPS willtell you
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A boom mic attached to your headset, with a VOX could be an advantage too.

Theattenuator is a small homebrew -10dB item for the RA30H4047M 'brick'amplifier which is built into an aluminium lunchbox with forced aircooling from a small computer fan - 'heavy' heatsink material wasdeemed to be too clumsy for portable operation. The PA runs at 10woutput to keep it in the 'official' QRP limit.

The 5 amp battery is a gel type so it doesn't matter if it rolls over in your backpack/trolley.

Needlessto say, it's a geat advantage when operating portable to useheadphones. The signals *WILL* be weaker than those from the averagebase station so I would appreciated if people also try to work the weakones as well as the exotic DX.

Remember, Frei Island is IOTA-EU-36 and anyone working me portable will receive a special AO-7 anniversay QSL card on request.

Freiis surrounded by mountains except to my north so being portable is adefinate advantage when the bird is coming up from my south.

73 John. <la2qaa@...

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1661. RE: [eu-amsat] AO-7 portable

Yahoo group: eu-amsat
Date: 2008-06-15 21:06:00 UTC
From: Dimitrios Pallis
Topic: 1658 Message: 1661

Dear john

First of all i would like to thank you.
I will write soon an objervation from our small but good team! Of course Mak said to me about the group!!! We plan with Mak and Kostas to build a good portable station and operate from some mountaintops!!! i think that with this way we will make some more miles on AO7 here in greece we are like the small Smurf's Village. Kostas SW1EIX is Brainy smurf with his clever homebrew Constructions ,
I am the Greedy Smurf as you can see my web site (www.sw1jgw.com) and of course Mak is the Papa smurf who advice us to do the right think and helps us everytime we need it (thank you master!!). The problem is that here in Greece we have more than One Gargamels but this is another story for another email!!!

thank you
Dimitris

PS have a nice WEEK!!!!

73 de SW1JGW

DP

To: eu-amsat@yahoogroups.comFrom: archie.hackett@...: Sun, 15 Jun 2008 09:32:13 +0200Subject: RE: [eu-amsat] AO-7 portable

Dimitrios, Very pleased to know you my friend. Mak has told me about you. He says you're a very clever man indeed.He may also have mentioned, we started EU-Amsat together.I certainly look forward to working you on CW sometime. At the moment, my home station amplifier is *NOT* linear so I can only use it on CW. If I try to use SSB the signal is *VERY* distorted so I will not put distortion on AO-7.The exciter (FT-790) only has 700mW barefoot so I *have* to use the amplifier ... it's a modified mobile phone base station amp ... so unfotunately, I'n "stuck" on CW until I get time to modify the amp to make it "linear".I suppose Mak has told you about <http://www.observations.biz>You are very welcome to write your experiences Dimitrios, I'm sure they will be of interest to others and we'd love to have an "Observations from Greece" article ... new operators to amateur satellites are *MOST* !!!!!! welcome.Do *NOT* !!! worry about language, spelling etc - I'll edite things and send it back for your approval and permission before publishing anything. You do *NOT* have to be a professional writer. Tell us anything !! ... about your station, who you work, whatever !!.Have a ood day Dimitrios.73 John. <la2qaa@...> EU-Amsat moderator.Homepage: www.observations.biz

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that i have with you a qso some day on SSB. I dont know CW but with MAkis advices i am learning itUnfortunatelly i am not ready yet to operate CW on satellites.... I have a lot of thinks to learn... Also i never HAd a qso with Mika too!! 73 de sw1jgw DP

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Instantly invite friends from Facebook and other social networks to join you on Windows Live™ Messenger.
https://www.invite2messenger.net/im/?source=TXT_EML_WLH_InviteFriends

1662. The IARU, Satellite Frequency Co-ordination and the CUBESAT Bands.

Yahoo group: eu-amsat
Date: 2008-06-16 08:33:45 UTC
From: Allan Copland
Topic: 1662 Message: 1662

Hi Folks.

Having read through the material pointed to by Trevor, it seems the case that unco-ordinated satellites and the proliferation of University CUBESATs on 2M and 70Cms (the prime bands for linear transponder birds), are indeed a problem that is not being addressed, or about to be addressed, any time soon. Sure, there will be talk about addressing the problem, but that's all.

As best I can understand, the IARU believes it is an issue for local (National) radio societies. With no-one 'steering the ship', as it were, it's hardly any wonder it ran aground a long time ago.

Complaining to your national radio society is unlikely to carry much clout for a satellite builder at the other end of the world. In short, it's a free-for-all.

It's not a new problem either, see Altruistic radio amateurs (1994)
ftp://ftp.amsat.org/amsat/articles/satgen/sgen268.txt

John GM4IHJ noted this growing problem 14 *years* ago, and yet nobody seems to care. Perhaps we really do get what we deserve.

It's likely that AMSAT will be a forgotten organisation once the two most useful band segments we are allowed are littered with 'me-too' satellites.

Can you imagine a future scenario....not too far in the future.

'Linear transponders on 2m & 70Cms?'.... don't be silly, those are the Cubesat bands :-).

73 Al.
GM1SXX

1663. 'Attractive Spanish Bird... seeks useful mission'.

Yahoo group: eu-amsat
Date: 2008-06-16 12:24:34 UTC
From: Allan Copland
Topic: 1663 Message: 1663

Further to my email posted earlier this morning, a new satellite project is announced.

See..
http://www.southgatearc.org/
http://www.southgatearc.org/news/june2008/spanish_cubesat.htm

This one,doesn't even have a clearly defined mission. There is some talk of testing SDR in space. I'm sure it won't be the first to do that.

There's no real need to take an SDR into space when these things can be tested on the ground in a test rig. It's cheaper too! Vacuum chambers and irradiation facilities do exist on the ground.

The only thing the builders seem to be certain about is that it *will* transmit in the amateur radio bands.
According to it's builders... 'it may end up with just a Telemetry beacon'.

So, to my question. Is this really an 'Amateur Radio satellite'?

73 Al.
GM1SXX

1664. Bææ !!.

Yahoo group: eu-amsat
Date: 2008-06-16 14:40:07 UTC
From: John Hackett
Topic: 1664 Message: 1664

A case of pulling the wool over our eyes ??.

Bææ ... bææ ... bææ ... bææ ... that's a sheep saying ... me too, me too, me too, me too ...

73 John. <la2qaa@...>
.....
The proposed Spanish satellite to be launched by ESA.

This one,doesn't even have a clearly defined mission. There is some

talk of testing SDR in space. I'm sure it won't be the first to do that.

There's no real need to take an SDR into space when these things can

be tested on the ground in a test rig. It's cheaper too! Vacuum

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transmit in the amateur radio bands.

According to it's builders... 'it may end up with just a Telemetry

beacon'.

So, to my question. Is this really an 'Amateur Radio satellite'?

73 GM1SXX

1665. Observations From Greece.

Yahoo group: eu-amsat
Date: 2008-06-16 14:44:51 UTC
From: John Hackett
Topic: 1665 Message: 1665
Attachments: 1 described; binary payloads are missing from this source WARC

Submitted by La2qaa. Read the (attached) interesting reference re: ancient Greek mountain-top signalling.

It may also be read at ... <http://www.observations.biz>

73 John. <la2qaa@...>

1666. Re: [eu-amsat] 'Attractive Spanish Bird... seeks useful mission'.

Yahoo group: eu-amsat
Date: 2008-06-16 15:01:26 UTC
From: Thomas Frey
Topic: 1663 Message: 1666

Allan Copland schrieb:
> Further to my email posted earlier this morning, a new satellite
> project is announced.
>
> See..
> http://www.southgatearc.org/
> http://www.southgatearc.org/news/june2008/spanish_cubesat.htm
>
> This one,doesn't even have a clearly defined mission. There is some
> talk of testing SDR in space. I'm sure it won't be the first to do that.
>
> There's no real need to take an SDR into space when these things can
> be tested on the ground in a test rig. It's cheaper too! Vacuum
> chambers and irradiation facilities do exist on the ground.
>
>

Hello Al

I'm a little bit surprised about your statement "There's no real need to take an SDR into space". As you know, there are particles in space which can hit the computer hardware and destroy it. OK, we have experience with flying mail boxes but not with SDR in space. On SuitSat-2 SDR will also be testet. Tell your statement to the guys of AMSAT-NA and ARISS ... ;-)

Later we all can to profit from this experiences for P3E. P3E will get SDR-transponders and has no conventionally transponders on board.

> The only thing the builders seem to be certain about is that it *will*
> transmit in the amateur radio bands.
> According to it's builders... 'it may end up with just a Telemetry
> beacon'.
>
> So, to my question. Is this really an 'Amateur Radio satellite'?
>
> 73 Al.
> GM1SXX
>
>

Try to answer this question to your self. If you want a satellite for worldwide chats, then NO. If you want a satellite with scientific experiments, then YES. It's wonderful to have so many satellites for so many HAMs in the orbit. It's like TV, you can "zap" around. But, to my further statement, all our satellites MUST be coordinated that they are not disturb each other.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1667. More CubeSats

Yahoo group: eu-amsat
Date: 2008-06-16 15:16:50 UTC
From: Thomas Frey
Topic: 1667 Message: 1667

Hello all

You can read also here:
http://www.southgatearc.org/news/june2008/english_cubesat_mentors.htm

Eventually can John G7HIA and/or Andy G0SFJ tell us the relation to
Amateur Radio ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1668. IARU Region 1 Cavtat Conference Nov 2008

Yahoo group: eu-amsat
Date: 2008-06-16 19:50:25 UTC
From: Trevor
Topic: 1668 Message: 1668

I hope that Amateur Satellite operators in Region 1 will be explaining the benefits of the IARU Region 1 Cavtat 08 2 metre satellite expansion paper and the other papers that relate to Amateur Satellite operation to their IARU recognised National Society.

It's the delegates from these societies that will decide the issue. The vote of smaller countries such as Norway is same as that of larger nations such as Germany or the United Kingdom.

If nobody takes the time to explain to these Societies what Amateur Satellite operation is about and why an expansion is needed then we should not be suprised if delegates who know nothing at all about the Amateur Satellite Service do not support it.

IARU Region 1 Cavtat 08 papers
http://www.iaru-r1.org/Cavtat%20qwopaskl.htm

73 Trevor M5AKA

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1669. Public Consultation on the European table of frequency allocations

Yahoo group: eu-amsat
Date: 2008-06-16 20:32:35 UTC
From: Trevor
Topic: 1669 Message: 1669

On Monday 16th June the European Radiocommunications Office (ERO) announced a public consultation on the European table of frequency allocations and utilisations in the frequency range 9 kHz to 3000 GHz, ERC Report 25.

A key feature of the report is footnote EU9 which says:

"In a growing number of CEPT countries, parts of the band 70.0-70.5 MHz is also allocated to the Amateur service on a secondary basis."

It also incorporates the WRC-07 decisions on 136 kHz and a WRC-07 radio regulatory guidance note regarding the 500 kHz entry.

The consultation can be found in the list of ERO active consultations at
http://www.ero.dk/consultation

ERC Report 25 can be downloaded from
http://www.ero.dk/6121184A-3C02-4C3A-A695-250B25B2F711?frames=no&

Responses should be sent to Fatih Yurdal <yurdal@...> and the consultation closes on 16-Aug-2008.

European Radiocommunications Office
http://www.ero.dk/

73 Trevor M5AKA

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1670. Re: [eu-amsat] IARU Region 1 Cavtat Conference Nov 2008

Yahoo group: eu-amsat
Date: 2008-06-16 22:40:37 UTC
From: Thomas Frey
Topic: 1668 Message: 1670

Trevor schrieb:
> I hope that Amateur Satellite operators in Region 1 will be explaining the benefits of the IARU Region 1 Cavtat 08 2 metre satellite expansion paper and the other papers that relate to Amateur Satellite operation to their IARU recognised National Society.
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> It's the delegates from these societies that will decide the issue. The vote of smaller countries such as Norway is same as that of larger nations such as Germany or the United Kingdom.
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> If nobody takes the time to explain to these Societies what Amateur Satellite operation is about and why an expansion is needed then we should not be suprised if delegates who know nothing at all about the Amateur Satellite Service do not support it.
>
> IARU Region 1 Cavtat 08 papers
> http://www.iaru-r1.org/Cavtat%20qwopaskl.htm
>
> 73 Trevor M5AKA
> ----
>
>

Hello Trevor

The URL http://www.iaru-r1.org/ is down, have an other location for the document ? I would like to translate your message to German and post it to the AMSAT-DL forum.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1671. Re: [eu-amsat] IARU Region 1 Cavtat Conference Nov 2008

Yahoo group: eu-amsat
Date: 2008-06-17 07:06:51 UTC
From: Trevor
Topic: 1668 Message: 1671

--- On Mon, 16/6/08, Thomas Frey <th.frey@...> wrote:

> The URL http://www.iaru- r1.org/ is down, have an other location for
> the document ? I would like to translate your message to German and
> post it to the AMSAT-DL forum.

Hi Thomas,

The full sets of C4(HF) and C5(VHF/Microwave) papers are being distributed by C5 chairman Michael Kastelic OE1MCU on his societies site:
http://www.oevsv.at/opencms/modules/news/20080603_cavtat_iaru.html

The VHF/Microwave Papers can also be found via
http://www.southgatearc.org/news/may2008/cavtat_papers.htm
specifically
http://www.ok2kkw.com/iaru/cavtat_list_en.htm

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1672. Question about LA-2155

Yahoo group: eu-amsat
Date: 2008-06-17 08:12:11 UTC
From: Igor
Topic: 1672 Message: 1672

Hi All!
I wish to get such amplifier for MS.
Is it has RX/TX switching by carrier or only manual/PTT?
P.S. May be You know, where I can get documentation?

73! de Igor, RW3XL.

1673. Re: [eu-amsat] IARU Region 1 Cavtat Conference Nov 2008

Yahoo group: eu-amsat
Date: 2008-06-17 11:40:58 UTC
From: Thomas Frey
Topic: 1668 Message: 1673

Hello Trevor

I have translated your message to German, posted it to the DL-forum and
forwarded it to our IARU-"man" at USKA (www.uska.ch).

Trevor schrieb:
> --- On Mon, 16/6/08, Thomas Frey <th.frey@...> wrote:
>
>
>> The URL http://www.iaru- r1.org/ is down, have an other location for
>> the document ? I would like to translate your message to German and
>> post it to the AMSAT-DL forum.
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>
> Hi Thomas,
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Michael Kastelic OE1MCU on his societies site:
> http://www.oevsv.at/opencms/modules/news/20080603_cavtat_iaru.html
>
> The VHF/Microwave Papers can also be found via
> http://www.southgatearc.org/news/may2008/cavtat_papers.htm
> specifically
> http://www.ok2kkw.com/iaru/cavtat_list_en.htm
>
> 73 Trevor M5AKA
>
>
>

Mit freundlichen Grüssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1674. Re: [amsat-bb] LEO's

Yahoo group: eu-amsat
Date: 2008-06-17 14:49:21 UTC
From: Luc Leblanc
Topic: 1674 Message: 1674

On 17 Jun 2008 at 7:32, w0dxz@... wrote:

> RE:? Usefullness of LEO's...
>
> I think there should always be at least one accessable LEO-FM bird... for the very reason that some (WB6LLO) think there should not be. It gets you started with satellites.
>
> If I had not gone to a hamfest and seen Patrick demo use of the FM birds, I would not now be active on not only FM birds, but? the all mode birds as well. Without the FM birds, the? imtimidation factor would have been too much, I never would have gotten started.
>
> Every hobby needs an easy entry level possibility... for many it is the LEO's, FM.
>
> When I bought my first Harley, a Sportster,,, many said oh, a beginners Harley, yeah, maybe, but I would never have? bought a motorcycle? if I had to buy a full dresser as my first bike.? And yes, my first gun was a .410, not a 12 gauge.? And I learned to snorkel before I learned to SCUBA.
>
> FM LEO's have a purpose, a use. Not everyone can? chase the other birds. Live and let live. That is the fun part of the ham radio hobbyt, there is something for everyone.
> There may be complaints about LEO-FM birds that are justifiable, but? the fact that you can work one with a HT is not one of those arguments.
> Bob W0DXZ DM33

A question of unbalance who create a question of Usefullness. When the newbies will be "experts" they will probably look for something
else? what the satellite community has to offer? Plans, future plans, projection, funding campaign? Then they will also probably ask for
the "Usefullness" of LEO'S.

It's like eating peanuts before the lunch too much of it will only lead to a loss of appetite!

LEO HEO
AO-51 0
VO-52 0
SO-50 0
AO-27 0
AO-7------>! 0
AO-16 0
FO-29 0
ISS 0
GO-32 0
----
9 0

P.S. AO-51 last V/S mode was at least a bit of challenge but with very few users. It was a good time to test new S band antenna's. The
foliage absorption at those frequencies is also very noticeable i was able to pin point every tree around my QTH making the satellite
usable only over 14 degrees reducing even more the usable time slot. The most dramatic effect is the fades coming from the satellite spin
of the polarisation? i don't know but some are reporting receiving more fades that usable signal. Is it mode S suitable for LEO.S i'm not
sure even if i was able to have a QSO with a mobile station in V/S!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1675. Frequency coordination.

Yahoo group: eu-amsat
Date: 2008-06-17 16:46:09 UTC
From: John Hackett
Topic: 1675 Message: 1675
Attachments: 1 described; binary payloads are missing from this source WARC

For those who may be interested, the attached PDF ought to be noted, read and digested.

Should the established amateur satellite frequencies be changed? ...
or should the Cubesats ,FN sats and the neighbour's dog use the proposed different frequencies - of course, under the guise of 'educational' satellites.

Like Eddie Cochran did in 'Summertime Blues' - contact your congressman and give him your views.

Fair warning though, decisions are usually made long before
"Joe Bloggs" is asked for his opinion ... it makes it "look" democratic.

73 John. <la2qaa@...>

1676. Re: [eu-amsat] IARU Region 1 Cavtat Conference Nov 2008

Yahoo group: eu-amsat
Date: 2008-06-17 17:58:54 UTC
From: Trevor
Topic: 1668 Message: 1676

--- On Tue, 17/6/08, Thomas Frey <th.frey@...> wrote:
> I have translated your message to German, posted it to the DL-forum and
> forwarded it to our IARU-"man" at USKA (www.uska.ch) .

Thanks Thomas.

73 Trevor M5AKA

Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1677. SSTV on AO-7

Yahoo group: eu-amsat
Date: 2008-06-18 08:48:45 UTC
From: John Hackett
Topic: 1677 Message: 1677

To the person transmitting SSTV on AO-7 on orbit 53723 this morning, Wednesday the 18th of June.

It's difficult to say whether you were deliberately transmitting over the other stations in QSO or whether your receiving system was so inadequate you just couldn't hear them.

Surely !! you could hear the transponder FM'ing ?? ... or perhaps you didn't even realise it was "your" 100% duty cycle transmission that was the reason for the QRM and FM'ing.

If you're a newcomer, you are most welcome but please please read up on how to operate a satellite that has a negative power budget.

SSTV is *NOT* recommended for AO-7 and certainly not on top of other stations already in QSO.

If you get your rocks off by deliberately QRM'ing and you're one of those poorm souls who need attention ... you've got it ... now please go and play elsewhere.

73 John. <la2qaa@...>

1678. An Observation.

Yahoo group: eu-amsat
Date: 2008-06-18 16:49:16 UTC
From: John Hackett
Topic: 479 Message: 1678

An interesting post on the Amsat-BB from KC6UQH - whom stated ... and I tend to agree ... HEO's are generally *EASIER* to work than LEO's.

That one needs expensive equipment to work an HEO is a myth that is simply *NOT* true. - (try telling GM1SXX it's expensive) - it's his pet niggle.

Personally, I've worked the world on HEO's using an FT-290 and an FT-790, both of which are 20 years old and purchased used on Ebay - neither rig has bells and whistles, no automatic doppler tuning and no computer interface. I used an El Cheapo Japanese azimuthal TV rotor, fixed elevation and a maximum EIRP of 25 watts ... yes !!! - E.I.R.P.

(see "How much power is enough") <http://www.observations.biz>

I have satellite QSL's from all corners of the world.

(The world doesn't have corners twit, they're "round".....GM1SXX).

Things like aerials, a preamp and a 5 watt PA were all home made.

Despite certain schools of thought, circular polarisation is *NOT* a necessity.

(A further discussion of circular polarisation can be found on the OBSERVATIONS website) - <http://www.observations.biz>

Expensive to work an HEO ?? ... Gerroff !!!!. It's only expensive if you absolutely must follow the route of - Mine's bigger than yours" mentality.

BTW Ib - (OZ1MY) - I agree with most of what you say but would like to point out that not everyone who would like to operate amateur satellites can afford a rig that supports auto doppler tuning if one moves to higher frequencies for LEO's as you suggest. Radio amateur satellites ought to be available to all amateurs - not just the affluent ones.

As station "developement" I used the excellent ITUNE software and a homebrew interface via the push-buttons to give the rigs auto-doppler tuning for full doppler tuning at the satellite.

Again - as cheap as chips - (those you have with fish).

Expensive ? ... difficult ? ... Ballcocks !!!!.

73 John. <la2qaa@...>

1679. Re: [amsat-bb] Re: LEO's

Yahoo group: eu-amsat
Date: 2008-06-19 13:01:27 UTC
From: Luc Leblanc
Topic: 1679 Message: 1679

On 18 Jun 2008 at 20:07, Mark Vandewettering wrote:

Part of interest

> Whether you thought ECHO
> was a waste of time or not, at least it ruined the entire notion of
> LEO permanently for AMSAT.

Another part from another post says AMSAT-NA was asking for a linear transponder for ECHO but no one show up to buid one is it could be by
a lack of interest as AO-40 was alive at that time? anyway the puzzle take form...

What is reasonable for one is unreasonable for the other but It is also cool to chat on MSN over the world with a blacberry or with a tiny
pink cellular phone being able to send live video with sound direct from a Florida beach to near anywhere in the world...That's COOOL
man...

> The second _unreasonable_ criticism is to complain about how anyone
> with an HT can push a button and work the FM satellites. That's not a
> problem: that's a feature. Not everything that is easy is pointless,
> and not everything that is hard is worthwhile. It's damned cool that
> I can hit the ISS with 5w into an omnidirectional antenna on my car
> roof, and use it for APRS messaging. It's cool that I can work
> Hawaii, or Alaska, or the East Coast or deep into Mexico using my HT
> and a handheld antenna, stuff I could toss into a backpack and go
> hiking. Is it hard? No, not especially. It's not a snap though,
> since I am operating with such low power. I find it kind of neat to
> talk to NH7WN in Hawaii, each of us standing outside in the wind
> holding handheld antennas and HTs on 5 degree passes. I could make it
> harder. I could use smaller antennas or less power.

It sound like the OLD jingle as CW will pass where nothing else will pass... that's why i wrote it will be hard to keep the interest alive
for the newbies with peanuts..Just bear in mind if AMSAT want's to have development they should consider what's the real world is! . but
there is a huge potential for the amateur radio satellite development but AMSAT should go towards the universities as it is obvious they
will don't do the same as they are not doing it actually. It is only the tips of the iceberg as the IARU is not even consulted in the
satellite frequencies allocating process...BTW just check how IARU is composed? In the NAFTA era is it an outdated body? They don't have
any power at a time Jim Baker and Tammy (PTL) had a lot more power...

Bottom line all the commenting are in a vicious circle spinning around and if we don't stopped it we will ended up down the drain...Like it
or not the question is very simple NO HEO NO SALVATION we will burn in hell fire:)

A wisdom vision:"speaking of wisdom even today the word "nerd" is still meaning something.." Tammy Baker (PTL)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1680. Re: [amsat-bb] 2008 AMSAT Board of Directors Election!

Yahoo group: eu-amsat
Date: 2008-06-19 18:38:02 UTC
From: Luc Leblanc
Topic: 1680 Message: 1680

On 19 Jun 2008 at 11:04, Stefan Wagener wrote:

>
> Hi folks,
>
> In the past, the candidates running for the AMSAT Board of Directors positions have used this forum to provide the membership with some thoughts
and ideas about their intentions if elected. I would very much appreciate if that could happen again. Also, in light of the current
discussion on LEO´s and HEO´s,
it would be very helpful to see where the candidates are standing.
>
> Thanks,
>
> 73, Stefan VE4NSA
>
As an "silent" observer of AMSAT since year 2000 i always ask myself how the every same candidates can have new and genuine thoughts and
ideas when they are coming on the board election after election? Could be if they can tell us what where their goals and what they achieved
in their past mandate some of us can make a bit of sense of this whole affair?

Here is some questions who can be interesting to see answered

What is the state of construction of eagle?
What are the plans regarding the launch?
Who will be the launcher?
If money is missing somewhere how much is needed to have a launch?
If resources are short here in North America Is AMSAT-DL is facing the same issues?
If there is a world-wide shortage in funding is it not logical to try to regroup all the available funds to at least be able to achieved a
launch before a new centennial membership class is implemented?
If one university was looking for projects is AMSAT-NA is ready to send them a wish list?
or do they prefer to remain in the HAM WORLD
only business waiting for the charming Prince?

If those who wants to be elected on the board prefer to warmed up their chair instead of answering the above mentioned questions it will be
a fair and valid reason to remain on the board but it will be nice having them confirming this know fact. In case where our assumptions
where found not exactly representing the reality, this pre election period will be a good opportunity to bring correction to our bad
reality evaluation.

This always said on a very positive tone.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1681. AO-7 Record

Yahoo group: eu-amsat
Date: 2008-06-22 00:36:26 UTC
From: SV1BSX
Topic: 1681 Message: 1681

Congrat's to Joe - K3SZH, for the new record on AO-7's online LogBook !

http://www.planetemily.com/ao7/userStats.php

More than 6000 points !
Well done Joe !

73, Mak SV1BSX

1682. Re:[eu-amsat] AO-7 Record

Yahoo group: eu-amsat
Date: 2008-06-22 17:43:41 UTC
From: John Hackett
Topic: 1681 Message: 1682

Folks, I'm in hospital again so am unable to get on the internet other than by my mobile phone. Therefore I apologise for late replies.

_____
Sent from my phone using flurry - Get free mobile email and news at: http://www.flurry.com

--- Original Message ---
Date: Sat Jun 21 17:36:39 PDT 2008
From: SV1BSX
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@amsat.org
Subject: [eu-amsat] AO-7 Record

Congrat's to Joe - K3SZH, for the new record on AO-7's online LogBook !

http://www.planetemily.com/ao7/userStats.php

More than 6000 points !
Well done Joe !

73, Mak SV1BSX

1683. Re: Re:[eu-amsat] AO-7 Record

Yahoo group: eu-amsat
Date: 2008-06-22 17:59:11 UTC
From: SV1BSX
Topic: 1681 Message: 1683

Hi John,

Hoping that your health is already better, I wish you very soon to turn back in your QTH, healthy.

My "positive" thought is with you, my friend.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Sunday, June 22, 2008 8:43 PM
Subject: Re:[eu-amsat] AO-7 Record

Folks, I'm in hospital again so am unable to get on the internet other than by my mobile phone. Therefore I apologise for late replies.
_____
Sent from my phone using flurry - Get free mobile email and news at: http://www.flurry.com

1684. RE: [eu-amsat] AO-7 Record

Yahoo group: eu-amsat
Date: 2008-06-22 18:08:04 UTC
From: Dimitrios Pallis
Topic: 1681 Message: 1684

john i wish you get better with your health. We waiting for you to coming back to us
My best wishes
73 de sw1jgwDP

To: eu-amsat@yahoogroups.comFrom: sv1bsx@...: Sun, 22 Jun 2008 20:59:11 +0300Subject: Re: Re:[eu-amsat] AO-7 Record

Hi John,

Hoping that your health is already better, I wish you very soon to turn back in your QTH, healthy.

My "positive" thought is with you, my friend.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Sunday, June 22, 2008 8:43 PM
Subject: Re:[eu-amsat] AO-7 Record
Folks, I'm in hospital again so am unable to get on the internet other than by my mobile phone. Therefore I apologise for late replies. _____ Sent from my phone using flurry - Get free mobile email and news at: http://www.flurry.com

_____
The other season of giving begins 6/24/08. Check out the i’m Talkathon.
http://www.imtalkathon.com?source=TXT_EML_WLH_SeasonOfGiving

1685. Fw: SMS vs CW

Yahoo group: eu-amsat
Date: 2008-06-23 19:36:07 UTC
From: SV1BSX
Topic: 1685 Message: 1685

Competition between SMS - CW ! Can you imagine who is the winner?

Visit:

http://www.youtube.com/watch?v=hH_KKa8vJ-Y

73, Mak SV1BSX

PS: Tks to SW1JGW for QSP

1686. AO-7 DX page "UPDATED"

Yahoo group: eu-amsat
Date: 2008-06-23 23:05:43 UTC
From: SV1BSX
Topic: 1686 Message: 1686

A new Web-page is uploaded.

Visit:

http://sv1bsx.50webs.com/oscardx/odx.html

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1687. AMSAT-UK International Space Colloquium 2008

Yahoo group: eu-amsat
Date: 2008-06-24 23:32:40 UTC
From: Trevor
Topic: 1687 Message: 1687

AMSAT-UK will be holding their 23rd International Space Colloquium at the University of Surrey, Guildford, England from Friday 25th until Sunday 27th July.

There will a tour of the Surrey Space Centre facilities that is always popular and provides a unique opportunity to see satellites in various stages of construction.

On Friday in addition to the main lecture programme there will be a special "Beginners Workshop" to show newcomers how to use the many Amateur Satellites that are available.

The event is open to all Radio Amateurs and SWL's. Either Day passes or full packages comprising overnight accommodation and meals at the University are available. An online booking service is available with PayPal, Visa and Master Card payments accepted.

For further details contact Jim Heck G3WGM Tel: +44 1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/Colloquium/ (see Travel for maps)
Online Booking: http://www.uk.amsat.org/content/view/25/49/

_____
Sent from Yahoo! Mail.
A Smarter Email http://uk.docs.yahoo.com/nowyoucan.html

1688. APRS through ISS and FD

Yahoo group: eu-amsat
Date: 2008-06-28 17:32:44 UTC
From: Luc Leblanc
Topic: 1688 Message: 1688

Just for the record and the freedom of speech a post who was censored by AMSAT-NA...

> On 26 Jun 2008 at 21:56, ka3hsw@... wrote:
>
> > Unbelievable... according to my Webster's Encyclopedic Unabridged
> > Dictionary of the English Language, the ISS most certainly IS a satellite!
> > (the only possible quibble being that it was built in orbit, rather than
> > launched into orbit...)
> >
> > Did the ARRL people understand that you were asking about contacts THRU the
> > ISS, and not WITH the ISS?
> >
> >
> >
>
> Beware... I just recently experience a Dictionary issue. Someone was selling something on e-bay but does not want to shipped overseas? the
> question was is North and South America are considered overseas? are they over the seas? i think not but did my seller will shipped me the
> item?
>
> There is the strict interpretation and the large one! the glass is half empty or half full? A satellite is a satellite or a satellite it's
> as you wrote a non sense but due to the fact they have men's aboard this void the satellite status. Is if the crew where only females ISS
> can regain his satellite status? It's not a gender issue but the rules should be modified to give ISS the satellite status when the cross
> band repeater and the packet station is activated and not when someone is operating the rig eg: making QSO'S.
>
> If ARRL does not want to change the rules what about AMSAT-NA? are they leading or following the queue?
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1689. Aegean VHF Contest

Yahoo group: eu-amsat
Date: 2008-07-03 11:48:56 UTC
From: SV1BSX
Topic: 1689 Message: 1689

Hi all,

sorry for "off topic" but this weekend, 5 & 6 July, will take place the biggest VHF contest in Greece - the
AEGEAN VHF Contest.

As the most of Satellite operators are also "fans" of VHF-UHF bands, just take a look by "pointing" your antennas
to SV-land.

Several SV stations they will be climbed in mountain tops, so it's a great challenge for "Long Distance" QSOs.

It should be great pleasure for us your participation from all over the Europe, W.Asia, M.East and N.Africa
(of course, if that is possible - depending upon propagation).

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1690. P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-03 17:01:51 UTC
From: Thomas Frey
Topic: 1690 Message: 1690

Erst in Deutsch, dann in Englisch
First in German, then in English

Update Phase-3E
==========
- Alle mechanischen Arbeiten an P3E sind beendet.
- Der Bordcomputer fehlt noch.
- Mit dem Stand der Arbeiten an den Transpondernutzlasten zeigte sich Peter G?lzow, DB2OS, zufrieden. An der HAM RADIO 2008 in Friedrichshafen wurde der SDR-Transponder (SDX) vorgef?hrt.
- Ein Startangebot von Arianespace f?r P3E ist f?r die AMSAT-DL zu teuer.
- AMSAT-F hat ihre Unterst?tzung bei weiteren Startverhandlungen mit Arianespace zugesagt.
- Es wurden auch Kontakte mit anderen Raketenbetreibern in Indien, Russland und Japan gekn?pft. Aufgrund der aktuellen Finanzsituation wird ein Start von P3E nur als Kombistart mit dem P5A-Satelliten finanzierbar sein.

Update Phase-3E
==========
- All mechanical work on P3E is finalized.
- The On Board Computer is missing still.
- With the conditions of the work on the transponder payloads Peter G?lzow, DB2OS, is contented. At the HAM RADIO 2008 in Friedrichshafen, Germany, became the SDR-Transponder (SDX) demonstrated.
- A starting offer of Arianespace for P3E is too expensive for AMSAT-DL.
- AMSAT-F has assured its support for further starting negotiations with Arianespace.
- Also contacts with other rocket operators in India, Russia and Japan were made. Due to the current financial situation a start of P3E becomes only as
combination start with the P5A-Satellite eligible for financing its.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1691. Photos from HAM Radio 2008 (AMSAT-DL)

Yahoo group: eu-amsat
Date: 2008-07-05 22:00:36 UTC
From: Thomas Frey
Topic: 1691 Message: 1691

http://www.amsat-dl.org/pic/gallery2/main.php?g2_itemId=6915

Have fun.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1692. "Getting to know OSCAR from the ground up"

Yahoo group: eu-amsat
Date: 2008-07-06 22:15:55 UTC
From: Thomas Frey
Topic: 1692 Message: 1692

Hello all

This magazine you can download from a AMSAT-DL site as pdf:
http://www.amsat-dl.org/pic/gallery2/main.php?g2_itemId=7527

Its with permission from ARRL and with Thanks to DL1YDD.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1693. Special call sign VC3C

Yahoo group: eu-amsat
Date: 2008-07-07 03:14:43 UTC
From: Luc Leblanc
Topic: 1693 Message: 1693

To commemorate the 400th anniversary of Quebec city foundation by Samuel de Champlain on the third of July 1608 marking the continuous
french presence in North America a special call sign has been issued "VC3C"

I will activate this very special call sign on all available amateur satellite from July 7 to July 13. On July 13 the mobile communication
unit "On the Champlain Road" who travel the same route along the St-Lawrence as Champlain does in 1608 400 years ago will be in Sorel-Tracy
where Champlain enters in the Richelieu river (see below the ****) and was the first to european to discover the Lake Champlain. The
station will be located at the Governors House in Sorel
http://grandquebec.com/monteregie/maison-des-gouverneurs/ (The tower in the back
ground is located on the roof of the Sorel-Tracy ARC HQ.)

People of French descent across North America can trace their history back to Québec City, recognized today as the cradle of French
civilization in the New World.

At one point, Québec City was at the center of New France, an empire that covered all of Eastern Canada and almost half of the current US
territory. French North America extended from the Gulf of St Lawrence to the Great Lakes and from Hudson Bay to the Gulf of Mexico.

Although this empire was not to last, Québec City, as the capital of Lower Canada and later, of Québec, has continued to grow and thrive.

A Timeline for Champlain

Around 1570: Champlain is born in Brouage to a seafaring family. He studies navigation and cartography.

1595-1598: He serves in the royal army of Brittany

1599-1601: He travels to Mexico and reports to King Henri IV

1603: First voyage to Canada. He explores the St. Lawrence River as far as the site of today´s Montreal. He publishes his
first book, Des Sauvages.

1604-1607: First French foothold in Canada on the Acadian shore. He explores the coast as far as the site of today´s Boston.

1606: He meets with Marc Lescarbot, who returns to the Acadian colony, and writes Histoire de la Nouvelle-France (published
in 1609).

1608: Champlain founds Québec.

1609: He discovers the Richelieu River and Lake Champlain. He allies with the Hurons against the Iroquois.**********

1610-1613: He sends Étienne Brûlé to the Montagnais.

1613: He explores the Ottawa River (the Outaouais). He publishes an account of his Voyages since 1604.

1614-1616: He discovers Lake Huron and Huronia.

1619: He publishes an account of his Voyages since 1613. As of 1620, he remains almost continuously in Québec.

1627: The Compagnie des Cent-Associés administers Canada.

July 19,1629: The British take Québec.

March 29,1632: The Treaty of Saint-Germain-en-Laye restores Québec and Canada to France.

1632: Champlain publishes a chronicle of all his Voyages since 1604.

December 25,1635: Champlain dies in Québec.

http://monquebec2008.sympatico.msn.ca/MonQuebec2008/?lang=en-ca

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1694. Re: [eu-amsat] P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-07 10:12:05 UTC
From: Simon Brown
Topic: 1690 Message: 1694

What would be the logic / algorithms for computing P5A's position once it's launched? It would not be Kepler data I assume. Any links anyone to the general theory of this?

New software status: http://forums.ham-radio.ch/showthread.php?t=11810

Simon Brown, HB9DRV

From: "Thomas Frey" <th.frey@...>

> Due to the current financial situation a start of P3E becomes
> only as combination start with the P5A-Satellite eligible for financing
> its.

1695. Re: P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-07 11:56:08 UTC
From: Allan Copland
Topic: 1690 Message: 1695

--- In eu-amsat@yahoogroups.com, "Simon Brown" <simon.brown@...> wrote:
>
> What would be the logic / algorithms for computing P5A's position once it's
> launched? It would not be Kepler data I assume.

Hi Simon,
Patched Conic Sections, or 'patched conic approximation techniques' are one means of interplanetary navigation. Google should find some hits for you.

In short, you attempt to navigate a craft down a series of imaginary cones of uncertainty, aiming to converge your parameters to match a point in space. It's a variation on 'successive approximation' type technique.

http://en.wikipedia.org/wiki/Patched_Conics
http://en.wikipedia.org/wiki/Orbital_mechanics

There are other (more recent) methods involving the measurement of gravitational perturbations.

73 Al.

1696. Re: P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-07 12:05:54 UTC
From: Allan Copland
Topic: 1690 Message: 1696

> > What would be the logic / algorithms for computing P5A's position
> once it's
> > launched? It would not be Kepler data I assume.

Simon,

Have a look at Hohmann transfer orbits.
http://en.wikipedia.org/wiki/Hohmann_transfer_orbit

The Hohmann Transfer Orbit is an energy-efficient means to move
between co-planar planets. Mars gets an honorable mention here.
I'm sure this mission would be a standard Hohmann Transfer.

The best place to find data for real planetary vehicles might be to
try Nasa's deep Space Tracking network. I imagine that some data will
emerge from there in due course for this mission.

> 73 Al.

1697. Re: [eu-amsat] Re: P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-07 12:07:31 UTC
From: Simon Brown
Topic: 1690 Message: 1697

Thanks Al,

Now I have somewhere to start.

Simon Brown, HB9DRV

From: "Allan Copland" <allan_gm1sxx@...>
>
> Have a look at Hohmann transfer orbits.
> http://en.wikipedia.org/wiki/Hohmann_transfer_orbit
>

1698. RE: [eu-amsat] Re: P3E News Q2 2008

Yahoo group: eu-amsat
Date: 2008-07-07 12:55:40 UTC
From: Iain McKeracher
Topic: 1690 Message: 1698

```
-----Original Message-----
From: Simon Brown <simon.brown@...>
Sent: 07 July 2008 13:07
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Re: P3E News Q2 2008

Thanks Al,

Now I have somewhere to start.

Simon Brown, HB9DRV

--------------------------------------------------
From: "Allan Copland" <allan_gm1sxx@...>
>
> Have a look at Hohmann transfer orbits.
> http://en.wikipedia.org/wiki/Hohmann_transfer_orbit
>

[The entire original message is not included]
```

1699. IARU Satellite Forum 2008

Yahoo group: eu-amsat
Date: 2008-07-10 06:49:16 UTC
From: Trevor
Topic: 1699 Message: 1699

AMSAT-UK is hosting the International Amateur Radio Union (IARU) Satellite Forum 2008 that will be held as part of the International Space Colloquium at the University of Surrey, Guildford, England.

The IARU Satellite Adviser Hans van de Groenendaal ZS6AKV will chair the forum that is sure to prove popular with those attending the Colloquium.

The forum will be attended by the RSGB Microwave Manager Murray Niman G6JYB who will be available for questions on the papers relating to Amateur Satellite operation being presented by the RSGB to the IARU Region 1 conference at Cavtat in November.
http://www.southgatearc.org/news/june2008/iaru_satellite_papers.htm

The IARU Satellite Forum will be held on Sunday morning 27th July in the University of Surrey Management Building lecture theatre. A site map showing location of the Management Building and the adjacent main car park and conference visitors parking can be seen at http://www.uk.amsat.org/images/stories/uosmap6.jpg

IARU Satellite Forum Agenda

· Report form the IARU satellite Adviser
Hans van de Groenendaal ZS6AKV

· Discussion on the frequency wish list for Amateur Satellite Frequency Allocations as discussed at the 2007 Forum held in the USA
1. IARU AC Feedback
2. Possible revisions
3. Next steps

· ESA Education VEGA Maiden Mission Frequency Coordination
Graham Shirville G3VZV

· Control of Satellites in space

· Discussion on Paper to the IARU Region 1 Conference : IARU Member Societies are requested to Support Satellite Frequency Coordination

· Any other matters

The 23rd AMSAT-UK Colloquium will be held at the University of Surrey, Guildford from Friday 25th until Sunday 27th July.

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. An online booking service is available with PayPal, Visa and Master Card payments accepted.

For further details see http://www.uk.amsat.org/Colloquium/

Travel information: http://www.uk.amsat.org/content/view/23/52/

AMSAT-UK Tel: +44 (0)1258 453959
Email: g3wgm@...

---

73 Trevor M5AKA

_____
Not happy with your email address?.
Get the one you really want - millions of new email addresses available now at Yahoo!
http://uk.docs.yahoo.com/ymail/new.html

1700. SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-10 08:57:15 UTC
From: SW1JGW
Topic: 1700 Message: 1700

A Greek ancient system of communication with fire from torches above mountaintops is called fryktories from fryktos that means "the torch" in Greek . (see more http://sx1fre.blogspot.com)

On 13 of July 2008 and after 3200 years we will be climbing up the same mountaintops with Turkish Hams and will transmit through the hamradio frequencies a message from Troy ☐ located in N.W Turkey up to Mykines that is in Southern Greece using a special call on every mountaintop that the original message passed through. The same mountaintops are mentioned from Aeshylus in his drama "Agamemnon" and they are the ones that brought back to the Mikines city the message that Troy has fallen into the hands of the ancient siege army.

The transmitted message will be passing along the nodes on the 2m band from one station to another.

The special calls that will be used through this campaign will be:

Turkey
Mountain Ida(Troy): to be announced.

Greece
Station 1 (Lemnos Isl): SX8FRA
Station 2 (Athonas mnt) : SX2FRB/A
Station 3 (Kandili Evia): SX8FRC
Station 4 (Mesapio, Biotia): SX1FRD
Station 5 (Kitheronas): SX1FRE
Station 6 (Gerania): SX1FRF
Station 7 (Arachneon, Peloponisos): SX3FRG
Station 8 (Mikines): SX3FRH

Every Station will have at least 2m SSB/FM capability with yagi antennas. Before and after the event every station will be trying to make as many QSO's as possible with the special calls. Also that day we expect that many other hilltops will be activated in 2m band from other Greek and Foreign hams that will be joining this event.

I will be QRV from Kitheronas mountain with the call SX1FRE.
Except me the other ops will be SW1IXP SV1EEX, SV1EOS, SV1JGX, and SW1JCO
GRID LOC: KM18OE.

Will be active in 80- 70 cm. . Also will try LEO SATS and will operate through the 2008 IARU HF World Championship with the special call.

Operating times: Sat 12/8/08 at 10:00 local time till 13/8/08.

QSL cards will be sent via the SV buro.

For scheds concerning the SX1FRE activity On HF/VHF BAND pse contact SV1EEX at : SX1FRE Site:
http://sx1fre.blogspot.com

For scheds concerning the SX1FRE activity On Satellites pse contact me at
mc90606@hotmail.com

BEST 73 AND HOPE TO WORK YOU ON THE BIRDS
ON BEHALF OF SX1FRE
SW1JGW ☐ JIM
(www.sw1jgw.com)

PS On Satellites VO52 and AO7 we will be QRV on middle pass band. Any station that will contact us is requested in the existence of traffic not to call us again because we want to contact with as many stations as possible.

1701. UA9CS : 3000 points !

Yahoo group: eu-amsat
Date: 2008-07-10 17:34:58 UTC
From: SV1BSX
Topic: 1701 Message: 1701

Hi all

Congrat's to Igor, UA9CS, for the new record on AO-7 Log

as he reached today afternoon the 3000 points !

http://www.planetemily.com/ao7/userStats.php?

Well done Igor.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1702. Re: SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-12 13:46:21 UTC
From: Bratu Florian Gabriel
Topic: 1700 Message: 1702

Thank you for info. Very interesting activity, i work sx1fre on so50

few hour ago and in this moment again in 28mhz iaru contest. 73

1703. RE: [eu-amsat] Re: SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-13 12:52:11 UTC
From: Dimitrios Pallis
Topic: 1700 Message: 1703

yes i know. you talked with Costas SW1ixp i was hold the antenna and i hear you with the second pair of headset
we worked as two operators one for the RIGS and one for the antennas. both we had headsets!!!
we will send you QSL card
DP

To: eu-amsat@yahoogroups.comFrom: yo9gjx@...: Sat, 12 Jul 2008 13:46:21 +0000Subject: [eu-amsat] Re: SX1FRE Special Callsign

Thank you for info. Very interesting activity, i work sx1fre on so50
few hour ago and in this moment again in 28mhz iaru contest. 73

Need to know now? Get instant answers with Windows Live Messenger.
http://www.windowslive.com/messenger/connect_your_way.html?ocid=TXT_TAGLM_WL_messenger_072008

1704. Re: [eu-amsat] Re: SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-13 13:14:14 UTC
From: Thomas Frey
Topic: 1700 Message: 1704

Hello

I had also 2 QSO's yesterday the 12th with SX1FRE/p. One via SO-50 at 12:28
and one via AO-51 at 16:31. Was I speaking also with Kostas SW1IXP on Mount
Kitheronas ?

Dimitrios Pallis schrieb:
> yes i know. you talked with Costas SW1ixp i was hold the antenna and i
> hear you with the second pair of headset
> we worked as two operators one for the RIGS and one for the antennas.
> both we had headsets!!!
> we will send you QSL card
>
>
> DP
>
>
> ----------
>
> To: eu-amsat@yahoogroups.com
> From: yo9gjx@...
> Date: Sat, 12 Jul 2008 13:46:21 +0000
> Subject: [eu-amsat] Re: SX1FRE Special Callsign
>
>
> Thank you for info. Very interesting activity, i work sx1fre on
> so50
few hour ago and in this moment again in 28mhz iaru
> contest. 73
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1705. RE: [eu-amsat] Re: SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-13 13:16:21 UTC
From: Dimitrios Pallis
Topic: 1700 Message: 1705

One with me and one with Costas!!!
73 sw1jgwDP

To: eu-amsat@yahoogroups.comFrom: th.frey@...: Sun, 13 Jul 2008 15:14:14 +0200Subject: Re: [eu-amsat] Re: SX1FRE Special Callsign

HelloI had also 2 QSO's yesterday the 12th with SX1FRE/p. One via SO-50 at 12:28and one via AO-51 at 16:31. Was I speaking also with Kostas SW1IXP on MountKitheronas ?Dimitrios Pallis schrieb:> yes i know. you talked with Costas SW1ixp i was hold the antenna and i > hear you with the second pair of headset> we worked as two operators one for the RIGS and one for the antennas. > both we had headsets!!!> we will send you QSL card>>> DP>>> ----------->> To: eu-amsat@yahoogroups.com> From: yo9gjx@....ar> Date: Sat, 12 Jul 2008 13:46:21 +0000> Subject: [eu-amsat] Re: SX1FRE Special Callsign>>> Thank you for info. Very interesting activity, i work sx1fre on > so50 few hour ago and in this moment again in 28mhz iaru > contest. 73>-- Mit freundlichen Grüssen, Regards, 73Thomas Frey, HB9SKA_____Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41http://home.datacomm.ch/th.frey/

_____
It’s a talkathon – but it’s not just talk.
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_JustTalk

1706. RE: [eu-amsat] Re: SX1FRE Special Callsign

Yahoo group: eu-amsat
Date: 2008-07-13 13:21:32 UTC
From: Dimitrios Pallis
Topic: 1700 Message: 1706

we were two operators because the One man PAck was very difficult, The wind Was very very strong and the weather too cold (11 degrees)
think that was imposibble to track the satellite with handheld antenna because the strong wing!!!
73 de sw1jgwDP

To: eu-amsat@yahoogroups.comFrom: th.frey@vtxmail.chDate: Sun, 13 Jul 2008 15:14:14 +0200Subject: Re: [eu-amsat] Re: SX1FRE Special Callsign

HelloI had also 2 QSO's yesterday the 12th with SX1FRE/p. One via SO-50 at 12:28and one via AO-51 at 16:31. Was I speaking also with Kostas SW1IXP on MountKitheronas ?Dimitrios Pallis schrieb:> yes i know. you talked with Costas SW1ixp i was hold the antenna and i > hear you with the second pair of headset> we worked as two operators one for the RIGS and one for the antennas. > both we had headsets!!!> we will send you QSL card>>> DP>>> ----------->> To: eu-amsat@yahoogroups.com> From: yo9gjx@...> Date: Sat, 12 Jul 2008 13:46:21 +0000> Subject: [eu-amsat] Re: SX1FRE Special Callsign>>> Thank you for info. Very interesting activity, i work sx1fre on > so50 0;few hour ago and in this moment again in 28mhz iaru > contest. 73>-- Mit freundlichen Grüssen, Regards, 73Thomas Frey, HB9SKA_____Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41http://home.datacomm.ch/th.frey/

_____
The i’m Talkaton. Can 30-days of conversation change the world?
http://www.imtalkathon.com/?source=EML_WLH_Talkathon_ChangeWorld

1707. NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 06:21:35 UTC
From: Luc Leblanc
Topic: 1707 Message: 1707

As usual AMSAT-NA is keeping the crowds unaware and uninformed on AMSAT-BB and on purpose...NAMASTE and EAGLE project are from my point of
view literally dead! For those who are still believing on a HEO made by AMSAT-NA forget it they "HALTED" NAMASTE et fired out the EAGLE
team leaders

Here is some e-mails exchange...

It seems obvious now that AMSAT-NA projects are collapsing NAMASTE is dead and EAGLE PROBABLY WILL BE HALTED TOO?????
SEE BELOW THE FULL EXCHANGE AND PLEASE READ THE THREADS ON:
http://amsat.org/pipermail/namaste-dev/2008-July/thread.html

Here is an excerpt moving around the "Super duper" AMSAT-NA president on the NAMSATE reflector

> At this time, all group leaders on the Eagle project
> are relieved of their leadership duties.

Rick
W2GPS
AMSAT LM2232

-----Original Message-----
From: w8iss at wideopenwest.com [mailto:w8iss at wideopenwest.com]
Sent: Saturday, July 12, 2008 12:36 AM
To: Rick Hambly (W2GPS); 'namaste-dev'
Cc: bod at AMSAT.Org; 'officers'
Subject: Re: [Namaste-dev] AMSAT Engineering

---------- Original Message -----------
From: "Rick Hambly \(W2GPS\)" <w2gps at cnssys.com>
To: <eagle at AMSAT.Org>, "'namaste-dev'" <namaste-dev at AMSAT.Org>
Cc: bod at AMSAT.Org, "'officers'" <officers at AMSAT.Org>
Sent: Fri, 11 Jul 2008 10:18:13 -0400
Subject: [Namaste-dev] AMSAT Engineering
>
> Any changes to fundamental Eagle goals will come from the Board and Senior
> Officers team through me as engineering team leader. If anyone would
> like to suggest new ideas for consideration you have free access to
> express yourself either through your engineering team leader or
> directly to the members of the Board and Senior Officers team (see
> the links at http://www.amsat.org/amsat-new/AboutAmsat/officers.php).

So is Michelle STILL team leader?

> At this time, all group leaders on the Eagle project
> are relieved of their leadership duties.

Are you NOT contradicting yourself here, Rick?

Just some clarification here please.

James W8ISS

NO MORE EXCANGE BEYOND THIS POINT!!!!!

AMSAT-NA is on a crashing course i doubt this group will survive up to the end of 2008! Sad news but could be under a new leadership things
can still have some chance of success!

P.S. I just hope i am dead wrong here?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1708. Re: [eu-amsat] NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 08:21:58 UTC
From: Simon Brown
Topic: 1707 Message: 1708

Seems like a great shame but these things happen from time-to-time, it's only human. In the past I have wondered why AMSAT US maintains the buildings and staff that they have - but I'm not a member and haven't really tried to find out, so mea culpa. I wish AMSAT US all the best and hope that things come together so that the future projects reflect the fine engineering of past projects.

http://amsat.org/pipermail/namaste-dev/2008-July/thread.html

No many positive mailings there I am afraid. My hopes rest with neighbours in the big canton to the north of Switzerland (aka Germany) :-)

At least we have the moon and a friend has a nice big 10m dish with SSB echoes on 23cms at about 12dB above the noise.

Simon Brown, HB9DRV

From: "Luc Leblanc" <lucleblanc6@...>

>
> It seems obvious now that AMSAT-NA projects are collapsing NAMASTE is dead
> and EAGLE PROBABLY WILL BE HALTED TOO?????
> SEE BELOW THE FULL EXCHANGE AND PLEASE READ THE THREADS ON:
> http://amsat.org/pipermail/namaste-dev/2008-July/thread.html
>

1709. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 09:37:21 UTC
From: Bratu Florian Gabriel
Topic: 1707 Message: 1709

Maby we shoud not expected to much from NA, i think that our continent
has great resources for building ham birds.
Possible that EU satellites is the future.

1710. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 10:46:04 UTC
From: Thomas Frey
Topic: 1707 Message: 1710

Bratu Florian Gabriel schrieb:
> Maby we shoud not expected to much from NA, i think that our continent
> has great resources for building ham birds.
> Possible that EU satellites is the future.
>
>
>
Hello Florian and group

I don't think so. The great problem is not to build a satellite but to finance a launch for a satellite. If we want more HEO-sats in orbit, then we all, AMSAT-NA + AMSAT-DL + all AMSAT-organisations worldwide has to concentrate to 1 (ONE) project and collect all the money together. If we don't find a joint way, AMSAT will leave the (battle)field to all the universities with their cubesats. And this is not what we want in the future.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1711. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 12:40:59 UTC
From: Allan Copland
Topic: 1707 Message: 1711

Hi Folks,

I don't see how comparing HEO's to CUBESATS has any relevance whatsoever. Rather like comparing chalk to cheese. They are different things entirely. The Universities *are* already there and AMSAT are just one of the many users, competing for slots in the 'amateur' satellite allocations, as well as for launches to LEO. You never can tell if or when HEO will become attractive to the education community. Time will tell.

The situation on the 'battlefield' already is a free-for-all and has been for a long time. I suspect it's that way because nobody of any perceived importance complained in the past. Not all AMSAT members want a new HEO anyway, some want other things instead. The choice is simple, fund what *you* believe in and ignore the 'party line'. For those who want a new HEO, great, you know where to send your money. I do hope that AMSAT sorts this mess out soon. The membership deserves better.

73 Al.
GM1SXX

1712. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 12:45:22 UTC
From: Simon Brown
Topic: 1707 Message: 1712

Seriously, apart from the Mars probe, what else would be wanted other than a working HEO?

Simon Brown, HB9DRV

From: "Allan Copland" <allan_gm1sxx@...>

> Not all AMSAT members
> want a new HEO anyway, some want other things instead.

1713. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 13:30:23 UTC
From: Allan Copland
Topic: 1707 Message: 1713

--- In eu-amsat@yahoogroups.com, "Simon Brown" <simon.brown@...> wrote:
>
> Seriously, apart from the Mars probe, what else would be wanted
other than a working HEO?
>
> Simon Brown, HB9DRV

Well Simon, I'm glad to report that just like in 'real life' we don't
all want the same things.

73
Allan Copland

1714. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 13:32:47 UTC
From: Simon Brown
Topic: 1707 Message: 1714

OK, but what else is there apart from LEO and HEO ? Our own Hubble or ... ?
Do we want to send someone into orbit (I can make a few suggestions) ?

maybe the EU government in Brussels could be convinced to finance a HEO is
there's enough education advantage to the project.

Simon Brown, HB9DRV

From: "Allan Copland" <allan_gm1sxx@...>
>
> Well Simon, I'm glad to report that just like in 'real life' we don't
> all want the same things.
>

1715. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 13:50:44 UTC
From: Allan Copland
Topic: 1707 Message: 1715

--- In eu-amsat@yahoogroups.com, "Simon Brown" <simon.brown@...> wrote:
> OK, but what else is there apart from LEO and HEO ? Our own Hubble
or ... ? Do we want to send someone into orbit (I can make a few
suggestions) ?
> maybe the EU government in Brussels could be convinced to finance a
HEO is
> there's enough education advantage to the project.

Ah yes, back in bed with the education sector! I'm sure the
'dowlink-only' "educational satellite" sector could fimd a use for a
HEO launch without much difficulty. It would probably have been done
before, but no matter, it could be reinvented just for the
opportunity. It seems to work as a strategy with CUBESATS.

As to LEO, there are different types of LEO. Different inclinations
and different orbital heights. The Russians do some nice near-polar
orbits with good footprints. I'd rather see something of that nature.
For the cost of a single Molniya type mission, you could place a fair
number of useful birds in highish near-polar orbit. IMHO much more
fun. They'd spread out of course once deployed, but that would of
course add greatly to the fun element. It worked before... and AMSAT
weren't even involved.

As I mentioned earlier, we don't all want the same things.

73 Al.
P.S. if you do manage to secure a manned launch to nowhere, I vote
that Gordon Brown gets a seat. (joking!)

1716. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 14:13:23 UTC
From: Thomas Frey
Topic: 1707 Message: 1716

Allan Copland schrieb:
> Hi Folks,
>
> I don't see how comparing HEO's to CUBESATS has any relevance
> whatsoever. Rather like comparing chalk to cheese. They are
> different things entirely. The Universities *are* already there and
> AMSAT are just one of the many users, competing for slots in the
> 'amateur' satellite allocations, as well as for launches to LEO. You
> never can tell if or when HEO will become attractive to the education
> community. Time will tell.
>
> The situation on the 'battlefield' already is a free-for-all and has
> been for a long time. I suspect it's that way because nobody of any
> perceived importance complained in the past. Not all AMSAT members
> want a new HEO anyway, some want other things instead. The choice is
> simple, fund what *you* believe in and ignore the 'party line'. For
> those who want a new HEO, great, you know where to send your money.
> I do hope that AMSAT sorts this mess out soon. The membership deserves
> better.
>
> 73 Al.
> GM1SXX
>
>
You are right Al, I have to clarify me. I meant the following or let
me numerate a worst case scenario:

Year 2010:
- Officers and members from AMSAT-NA are distractible about
Eagle and Phase-4-Light. None of them is in orbit.
- There are 100 CubeSats in orbit.

Year 2011:
- P3E is still on ground, no launch opportunity was found.
- There are 200 CubeSats in orbit.

Do you see what I mean ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1717. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 15:10:13 UTC
From: Allan Copland
Topic: 1707 Message: 1717

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Year 2010:
> - Officers and members from AMSAT-NA are distractible about
> Eagle and Phase-4-Light. None of them is in orbit.
> - There are 100 CubeSats in orbit.
>
> Year 2011:
> - P3E is still on ground, no launch opportunity was found.
> - There are 200 CubeSats in orbit.
>
> Do you see what I mean ?

Well, this is 2008, not 2010 or 2011, but to a degree, I see what you mean. HEO's are expensive, complex, take considerable time, effort and quite a bit of money to build and are large and heavy, so expensive to launch.

CUBESATS by contrast, are small and light (<=1KG!) and launched in multiples to share the cost. CUBESATS are relatively cheap to build. They can even be bought 'off-the-shelf', just like a kit car. They can also be assembled quickly. There is absolutely no comparison between the two.

Get used to CUBESATS. They might not actually do anything interesting or useful to the average radio amateur, but they are not about to go away. It seems to be deemed acceptable practice to 'hijack' amateur satellite frequencies for 'educational' satellites.

At least they don't compete for funds with AMSAT satellites, although they *may* do for launch opportunities to LEO.

The fact also remains that other amateur satellite groups have different priorities and HEO is not the only kid on the block.

There are launch costs and there are launch opportunities. They are two separate but interlinked things. Are you saying that there is no money to launch the bird, or there is no opportunity to launch the bird, or both? If the answer is no to both questions, then there is a big problem!

73 Al.

1718. RE: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 16:52:05 UTC
From: Pete Badham
Topic: 1707 Message: 1718

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of Thomas Frey
Sent: 14 July 2008 11:46
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Bratu Florian Gabriel schrieb:
> Maby we shoud not expected to much from NA, i think that our continent
> has great resources for building ham birds.
> Possible that EU satellites is the future.
>
>
>
Hello Florian and group

I don't think so. The great problem is not to build a satellite but
to finance a launch for a satellite. If we want more HEO-sats in
orbit, then we all, AMSAT-NA + AMSAT-DL + all AMSAT-organisations
worldwide has to concentrate to 1 (ONE) project and collect all the
money together. If we don't find a joint way, AMSAT will leave the
(battle)field to all the universities with their cubesats. And this
is not what we want in the future.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

I have been sat on the fence with this as I am new to this side of the hobby
and felt I had nothing to offer, due to a lack of knowledge especially where
AMSAT is concerned.

I think what Thomas says makes great sense to me, this hobby is able to come
together in times of need where there is an emergency, for the social side
at hamfests etc and for the sport side of things in contests. I fail to see
why we, collectively can□t come together with one project that enable the
participation of everyone.

Ok, the logistics of such a task will be difficult, and many will feel their
feet are being trodden on by other groups, but I think in order to survive
and progress the groundwork should be done. After all, does it really matter
where the □kudos□ lies, if the end result is a success?

Pete G0WXJ

1719. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 17:17:05 UTC
From: SV1BSX
Topic: 1707 Message: 1719

```
>
> There are launch costs and there are launch opportunities. They are
> two separate but interlinked things. Are you saying that there is no
> money to launch the bird, or there is no opportunity to launch the
> bird, or both? If the answer is no to both questions, then there is a
> big problem!
>
> 73 Al.
>
Hi Al & Group,

I believe the problem is *always* the money. However, if we want to have
a HEO, I can NOT see any other solution except the donation from... our
pockets!

What is the rest budget? 1 million $ ?

Well, if each one SATellite-fan donates 333$ and we are 3.000 donators,
Voila ! 1 million is available.

Personally, even if I am not a rich man, I could donate this additional
amount
if I know that the HEO has a deadline ie. till the end of 2009.
And I believe a lot of hams will do the same.

The question is: are we enough peoples on Satellites ?

If NO, I believe the HEOs are just a forgotten case. The money was, is,
and
it will be the "fuel".

With good electronic diagrams, wishes, prayers and ...kisses,
sorry but the HEO is impossible to be in orbit.

Needs money-money-money..... quite simple. And if the money is available,
the launch-opportunity is just a detail.

73, Mak SV1BSX
```

1720. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 20:15:13 UTC
From: Thomas Frey
Topic: 1707 Message: 1720

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> Year 2010:
>> - Officers and members from AMSAT-NA are distractible about
>> Eagle and Phase-4-Light. None of them is in orbit.
>> - There are 100 CubeSats in orbit.
>>
>> Year 2011:
>> - P3E is still on ground, no launch opportunity was found.
>> - There are 200 CubeSats in orbit.
>>
>> Do you see what I mean ?
>>
>
>
> Well, this is 2008, not 2010 or 2011, but to a degree, I see what you
> mean. HEO's are expensive, complex, take considerable time, effort
> and quite a bit of money to build and are large and heavy, so
> expensive to launch.
>
> CUBESATS by contrast, are small and light (<=1KG!) and launched in
> multiples to share the cost. CUBESATS are relatively cheap to build.
> They can even be bought 'off-the-shelf', just like a kit car. They
> can also be assembled quickly. There is absolutely no comparison
> between the two.
>
> Get used to CUBESATS. They might not actually do anything interesting
> or useful to the average radio amateur, but they are not about to go
> away. It seems to be deemed acceptable practice to 'hijack' amateur
> satellite frequencies for 'educational' satellites.
>
> At least they don't compete for funds with AMSAT satellites,
> although they *may* do for launch opportunities to LEO.
>
> The fact also remains that other amateur satellite groups have
> different priorities and HEO is not the only kid on the block.
>

Fully agreed Al. But AMSAT-DL (I'm a member) _WANT_ a HEO. And also
members from AMSAT-NA want a HEO. But 2 HEO-satellites at the same time
is mad. I can not understand, why AMSAT-NA is not fully supporting
AMSAT-DL with P3E. We had full support for AO-10, 13 and 40. Instead
they want Eagle and "P4L". What happend in NA ?

> There are launch costs and there are launch opportunities. They are
> two separate but interlinked things. Are you saying that there is no
> money to launch the bird, or there is no opportunity to launch the
> bird, or both? If the answer is no to both questions, then there is a
> big problem!
>

If I read the fiasco brought to our attention in this thread and the article under http://www.southgatearc.org/news/july2008/p3e_update.htm (my own last news), then yes, there is a big problem.

Here are also a few values which I heard in Friedrichshafen:

To launch P3E with a mass of 150 kg costs 3 Million Euro. You have to pay 20'000 Euro per kg to Arianespace. And the launch campaign costs another 1 Million Euro. The costs to build P3E are not included. This 4 Million Euro are also 6.364 Mill. US$ or 6.4677 Mill. Swiss Franc.

Again, I can not understand the way from AMSAT-NA.

> 73 Al.
>
>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1721. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-14 21:17:46 UTC
From: Allan Copland
Topic: 1707 Message: 1721

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>If I read the fiasco brought to our attention in this thread and the article under http://www.southgatearc.org/news/july2008/p3e_update.htm (my own last news), then yes, there is a big problem.

>Here are also a few values which I heard in Friedrichshafen:
>To launch P3E with a mass of 150 kg costs 3 Million Euro. You have to pay 20'000 Euro per kg to Arianespace. And the launch campaign costs another 1 Million Euro. The costs to build P3E are not included. This 4 Million Euro are also 6.364 Mill. US$ or 6.4677 Mill. Swiss Franc.

>Again, I can not understand the way from AMSAT-NA.

I think I do..... it's simple, it wouldn't be 'their' project.
20K /KG as launch cost seems high to me, but there again, it would (hopefully) be going to GTO and not LEO for that cost. And there is money for a launch adapter to find.

It seems obvious to me at least, that there is not enough money in the pot to go around for two concurrent HEO birds. Add to this the (AMSAT-NA led I believe) proposal to integrate amateur radio payloads into Intelsat birds and the equation becomes even more lopsided and unworkable. Of course AMSAT-DL wants to go to Mars, so that rather restores the balance of financial sillyness.

Both AMSAT-NA and AMSAT-DL have some very good people with good ideas but there is simply no way IMO in which all this stuff can be funded.

From what I've read, the Intelsat transponder idea is not for use by paying AMSAT members, but rather as a means of guaranteed communications in times of disasters. I may be mistaken, but thats what I believed many existing comsats did anyway (Iridium and others). OK, it's not real-time, but store-dump is a proven and reliable technology. Perhaps other readers know differently re the Intelsat idea? I think the Intelsat could provide narrow band comms at other times but it seems like geostationary 'pie-in-the-sky' to me as far as being a financially viable concept. Of course, I'd be happy to hear otherwise. Most importantly though, who will want to help fund it? Would they really be able to 'sell' the idea to the membership?

Personally I can see nothing remotely interesting whatsoever about geostationary birds.... but that's just me! As our friends in the US are wont to say, Your mileage may vary... or as they say here, 'whatever floats your boat'. A bird that's 'nailed to the sky'.... no thanks!

I see another 'fly in the ointment' re GEO's..... they don't move, so
is it fair to expect funding from outwith their footprint?
Fortunately, that is a question for others, and not for me. One thing
is for sure. There is not enough money around to do all of these things.

73 Al.
GM1SXX

1722. Launch Costs

Yahoo group: eu-amsat
Date: 2008-07-15 07:35:25 UTC
From: Trevor
Topic: 1707 Message: 1722

--- On Mon, 14/7/08, Allan Copland <allan_gm1sxx@...> wrote:
> 20K /KG as launch cost seems high to me, but there again, it would
> (hopefully) be going to GTO and not LEO for that cost. And there is
> money for a launch adapter to find.

The launch costs for cubesats each weighing 1 kg into a 650 km LEO orbit are I believe $20,000. I had heard that cost may rise significantly in the future.

The launch costs for other Amateur satellites, AO-40, AO-13 etc have always been several million dollars. We were fortunately with previous sats that we only had to pay a small fraction of the true cost.

> It seems obvious to me at least, that there is not enough money in the
> pot to go around for two concurrent HEO birds.

I believe there is only one HEO (eliptical orbit) VHF/UHF satellite targeted for launch in the 2009-2012 timeframe and that's P3E.

The GEO proposal has the advantage of a free launch by Intelsat and I believe funding from the Dept of Homeland Security.

From a British/European perspective we have to hope that the first of these payloads ends up somewhere near a 70 degree west slot but clearly it could equally well be over the Pacific.

I've not seen any timescales as yet for the GEO but given that it's leading edge technology the complete development cycle will take sometime. Fortunately they do not need to complete everything on the ground prior to launch. Software development could continue to take place after the satellite was placed in orbit.

Has anyone checked out Intelsats launch plans for the 2011-2014 timeframe to see which orbit slots they are going to launch to ? That information may well be on the web somewhere.

73 Trevor M5AKA

_____
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http://uk.docs.yahoo.com/ymail/new.html

1723. Re: [amsat-bb] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-15 08:16:11 UTC
From: Luc Leblanc
Topic: 1723 Message: 1723

On 14 Jul 2008 at 14:59, Rick Hambly (W2GPS) wrote:

> Luc,
>
> I am glad you care enough about AMSAT's future to pay attention to events as
> they unfold. It appears that you have misinterpreted recent events, however.
> AMSAT's engineering department is undergoing a reorganization that we hope
> will allow us to better focus on the results our members have been looking
> for and improve cooperation among the development teams. There is nothing
> sinister going on at all.
>
> AMSAT members will be getting more detailed information through the Journal
> and the engineering mailing lists in the coming days and weeks.
>
> Rick
> W2GPS
> AMSAT LM2232

Hi

Regarding "misinterpretations" i refer you to the "The Little Prince" book especially his visit to asteroids 325 and 326 each of which is
inhabited by an adult who is foolish in his own way:

325 The King who can "control" the stars by ordering them to do what they would anyway. He then relates this to human subjects; it is the
citizen's duty to obey, but only if the king's demands are reasonable. He orders the Prince to leave as his ambassador.

326 The Conceited Man who wants to be admired by everyone, but lives alone on his planet. He cannot hear anything that is not a compliment.

I care as much as per my Hobby as you but not as much as you care about your membership and volunteers ideas!

A i wrote "NAMASTE and EAGLE project are from my point of view literally dead! For those who are still believing on a HEO made by AMSAT-NA
forget it they "HALTED" NAMASTE and fired out the EAGLE team leaders" i agree with you there is nothing sinister when you wrote

" At this time, all group leaders on the Eagle project are relieved of their leadership duties."

Read the book...

P.S. You should have wrote "AMSAT members will be getting more detailed information through the Journal

and the engineering mailing lists in the coming years and decade". Your move will only change the time line...

"-"

Luc Leblanc VE2DWE
A former AMSAT-NA member

1724. Re: Launch Costs

Yahoo group: eu-amsat
Date: 2008-07-15 12:51:50 UTC
From: Allan Copland
Topic: 1707 Message: 1724

--- In eu-amsat@yahoogroups.com, Trevor <m5aka@...> wrote:
>
> The launch costs for cubesats each weighing 1 kg into a 650 km LEO orbit are I believe $20,000. I had heard that cost may rise significantly in the future.

Costs certainly are on the increase again after a period of stagnation but £20K per Kilo to LEO seems to be above market rates. Of course, CUBESATS lug along a P-POD launcher which probably adds a significant cost burden and is effectively just dead weight.

As to Ariane5, I had a look for costs and some sources quote US $120M per launch. With 6 metric tons of payload, that does indeed equate to US $3,000,000 to fly a 150Kgs payload to GTO at cost price.

It makes no sense to me that cost quotes to LEO and GTO should be the same at $20K/Kilo.

Re the Intelsat idea, I'll leave that one to someone else to check out. I'm not interested.... not even slightly.

73 Al.
GM1SXX

1725. Re: [amsat-bb] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-15 14:39:57 UTC
From: Luc Leblanc
Topic: 1723 Message: 1725

On 15 Jul 2008 at 9:42, David Goncalves wrote:

> This reminds me of a short story about a boy on a bicycle and a
> chicken on the road.
>
> In one part, the boy swerves to avoid the chicken, takes a hard fall
> and dies. His mother cries - he didn't need to swerve, it was just a
> chicken! Why did he kill himself saving a chicken!
>
> In another part, the boy sees the danger, and goes ahead and runs over
> the chicken to save himself. His mother scolds the boy, and thinks him
> a monster, crying - why did he kill an defenseless chicken!
>
>
> David Goncalves
> W1EUJ
>

Another variation on the same subject.

At supper time the host dog was barking the host look at the dog in the eyes and say "one time" the dog stop barking but he resume his
session few minutes later. The host look at the dog in the eyes and say "two time" the dog stop barking but again he start barking again
patiently the host look at the dog in the eyes and say "three time" the dog stopped barking but he restart his barking session again. The
host pull out a gun and he shoot the dog!

His wife at the table called him a monster, crying - why do you kill a defenceless dog!

The host turned toward her looking her in the eyes and say "one time"!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1726. Re: [eu-amsat] Re: Launch Costs

Yahoo group: eu-amsat
Date: 2008-07-15 17:09:55 UTC
From: Thomas Frey
Topic: 1707 Message: 1726

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Trevor <m5aka@...> wrote:
>
>> The launch costs for cubesats each weighing 1 kg into a 650 km LEO
>>
> orbit are I believe $20,000. I had heard that cost may rise
> significantly in the future.
>
> Costs certainly are on the increase again after a period of stagnation
> but ?20K per Kilo to LEO seems to be above market rates. Of course,
> CUBESATS lug along a P-POD launcher which probably adds a significant
> cost burden and is effectively just dead weight.
>
> As to Ariane5, I had a look for costs and some sources quote US $120M
> per launch. With 6 metric tons of payload, that does indeed equate to
> US $3,000,000 to fly a 150Kgs payload to GTO at cost price.
>
> It makes no sense to me that cost quotes to LEO and GTO should be the
> same at $20K/Kilo.
>

Hello all

Is there a mix from Euro, US$ and GB? ? Anyway, I have googled 2 intersting
sites.

About launch costs of a CubeSat:
http://www.pumpkininc.com/ubb/Forum10/HTML/000013.html
"In general, launch costs are around $40,000-$50,000 per U (i.e. per kg)."

About launch costs into a GTO orbit:
http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6V1N-4B1RG8C-1Y&_user=10&_rdoc=1
&_fmt=&_orig=search&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md
5=5291b70046898fb6cb6344eaad66949a
"36 000 $/kg in 2002"

This is highly inofficial, but gives an idea of launch costs. You can
google much more sites.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1727. Re: [eu-amsat] Re: Launch Costs

Yahoo group: eu-amsat
Date: 2008-07-15 18:33:55 UTC
From: Trevor
Topic: 1707 Message: 1727

> It makes no sense to me that cost quotes to LEO and GTO should be the
> same at $20K/Kilo.

We have to be carefull here about comparing the costs of launching a commercial 1000 kilo communications satellite into GEO transfer orbit against a small 1 Kilo Amateur package to LEO.

I'ts down to bulk buying - if you pay to launch a thousand kilo's it'll cost you substantially less per kilo than if you just pay to launch just one kilo. All the payloads that go into GEO are big.

> About launch costs of a CubeSat:
> http://www.pumpkininc.com/ubb/ Forum10/HTML/ 000013.html
> "In general, launch costs are around $40,000-$50, 000 per U
> (i.e. per kg)."
> About launch costs into a GTO orbit:
> "36 000 $/kg in 2002"

The $40,000 per kilo for a 650 km LEO orbit ties in with the figure I'd heard for current prices, however, I believe that Cubesats launched so far have paid closer to $20,000 a kilo.

Launching is an expensive business. When you consider that the number of Radio Amateurs world-wide active on the satellites is probably less than a thousand you can see the problems in raising such large sums of money from such a small user base.

This is why I believe we need to continue to explore the options of collabarative venues with other organisations be they Governmental, Educational or Private Venture such as The Mars Society http://www.marssociety.org/portal/groups/GermanyCH/archimedes-balloon-project

73 Trevor M5AKA

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http://uk.docs.yahoo.com/ymail/new.html

1728. Re: [amsat-bb] Re: AMSAT NA

Yahoo group: eu-amsat
Date: 2008-07-16 03:24:02 UTC
From: Luc Leblanc
Topic: 1728 Message: 1728

On 16 Jul 2008 at 1:29, John B. Stephensen wrote:

> What most HEO users never fully realized (including me) was that they were
> the recipients of charity. Now that launches are commercial operations, the
> AMSATs have to pay the same as everyone else and HEOs are vastly more
> expensive than LEOs.

How i can repeat the same idea in a different way!

3 years ago i wrote "there is not enough money available in each AMSAT'S" i was speaking for an ONLY ONE international AMSAT to regroup
all the available funds" Running after too many rabbit will only bring empty hands.

As the one repeater in each ham backyard syndrome era we are now facing the same trend. The volunteer era is also no more THE SOLUTION our
club repeater group who was playing retuning rebuilding old commercial repeater on the ham bands and having to perform maintenance work on
a monthly basis became tired to play again and again on the same used machine our volunteers where exhausted. THE NEW SOLUTION we buy a
brand new motorola repeater (3000$ for a 40 members club) Two years now of peace and smooth operation our volunteers are now playing around
SDR radio and DSTAR.

GUIDE FOR AMATEUR HEO SATELLITE LAUNCH.

1-Put the world-wide resources towards one goal one HEO at a time
2-Planned the funding
A- How much money is needed for a launch
B-Divide the amount by all the possible contributors
C-Have al the AMSAT'S organizing their own funding in their own area.
3-If some money is missing we will all know why we cannot have a launch and this will end up the complaining
4-Working in closed circle under our national flags will only divided our resources if "Now that launches are commercial operations" we
will have to govern us accordingly GO COMMERCIAL SELL D'ONT BEG Try to have managers and administrators who are familiar with the business
world not those who rely on charity, or elitism fund raising club, or governmental grants.

5-When the business plan will be attached it is much more easy to seek out for major money contributor's.
6-Is this goes by having to put a Coke sign on the satellite body or having a CD with names of 5$ donors (look at the cube sats supporters)
7-Stopped attending hamfest and start to visit universities in promoting an HEO project how they can help?
8-Look for new countries who are now making their first steps in space India, China, Japan
9-The space shuttle is now at the end of his planned life is there any available space in their last flights to accommodate an HEO of

150KG!
10-If someone ask me if can managed to put 300 a year in a fund to have an HEO launch i think i will be able to save 82 cents per day per
year but they will have to SELL me the affair...a sound and a well attached project.
11- If it is possible to reach 6000 individuals 1.8 millions will be available per year and in no more than 3 years more than 5 millions
will be in this fund.

The killing question!

Is the actual leadership is able to drive such program i think not AND IT IS THE MAIN PROBLEM a huge structural change is needed as the
ideas of the base are not listen. Only the leaders ideas are promoted even if they are no more up to date as they are getting trailing
support by few foul mouth it is a vicious circle who fortunately start to break up...

AMSAT-NA is facing an obscure future. The last act of mutiny is only the tip of the iceberg even if the captain want's to play it down!
We are could be ugly but not stupid...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1729. Re: [amsat-bb] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 05:26:52 UTC
From: Luc Leblanc
Topic: 1723 Message: 1729

On 15 Jul 2008 at 21:07, Nate Duehr wrote:

> A little boy named Luc cried out again that AMSAT wasn't doing what he
> wants, but didn't offer any real solutions that will work -- and the
> entire mailing list looked at him together and said, "three time".
>
> --
> Nate Duehr, WY0X
> nate@...

As someone wrote

"Only the leaders ideas are promoted even if they
are no more up to date as they are getting trailing
support by few foul mouth it is a vicious circle who fortunately start to break
up..."

The diseases is spreading...GM is collapsing towards a possible bankruptcy. Budweiser is now owned by a belguim company. Fannie Mae and
Freddie Mac are lurking with bankruptcy too. Some post on AMSAT-BB are a possible explanation about the root of the disease. When a dog
feel he's attacked when he's in a dead end with no escape possible he bites. His animal survival instinct often make's him appears having
rabies.

Fun too see how close human's reactions are from the animal world.

Fortunately here some help about the first symptoms

The first symptoms are usually non-specific, flu-like symptoms - fever, tiredness, headache that may last for a few days. In the acute
stage, which quickly follows, an individual exhibits anxiety, confusion, insomnia, agitation, hallucinations and hyperactivity (furious
rabies) or paralysis (dumb rabies). The acute period usually ends after 2 to 10 days. In both furious and dumb rabies, a complete paralysis
develops, followed by coma. Death occurs during the first 7 days of illness without intensive care.

Please note in our case study:

Our individual also exhibits sign of anxiety, confusion, agitation and hallucinations!

As read on another post " I am 80 years old and know that ignoring them is the best way to treat them, but sometimes they just go too far."

But how to ignore an attacking dog?

My answer is ALWAYS SMILE :)

And here is a short story to ease your tension and blood pressure.

Bush, Putin and Chretien are in hell and they ask the devil if they can called their own country. The devil say yes and he show them the
red phone.

Chretien called first at the end of the call he hang the phone and he asked the devil "how much for the call?" The devil say 2 millions.
Chretien was furious and he ask why? the devil say you are in hell here and it is a long distance call.

Putin want's to call home too the devil shout go ahead! At the end of the call he also ask "How much" 2 millions the devil said. It is a
long distance also for me? the devil say YES.

Bush also called home and he asked also how much, the devil say 2$ Bush ask why it is so low the devil say it is a local call for you!

P.S. There is no connection between any individual and any animal species in the above text if you misinterpreted the text please don't
bite me...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1730. Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 08:12:57 UTC
From: Bratu Florian Gabriel
Topic: 1707 Message: 1730

> You are right Al, I have to clarify me. I meant the following or let
> me numerate a worst case scenario:
>
> Year 2010:
> - Officers and members from AMSAT-NA are distractible about
> Eagle and Phase-4-Light. None of them is in orbit.
> - There are 100 CubeSats in orbit.
>
> Year 2011:
> - P3E is still on ground, no launch opportunity was found.
> - There are 200 CubeSats in orbit.
>
> Do you see what I mean ?
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

Well Thomas i see what you mean and i think the Cubesats fenomena is like a sickness. Because is involved education, i think that we can't stop this process so a solution is a cooperation with ,,pumpkin campus" for mounting ham transporders and make atractive for them HEO's.

1731. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 09:58:03 UTC
From: Thomas Frey
Topic: 1707 Message: 1731

Bratu Florian Gabriel schrieb:
>> You are right Al, I have to clarify me. I meant the following or let
>> me numerate a worst case scenario:
>>
>> Year 2010:
>> - Officers and members from AMSAT-NA are distractible about
>> Eagle and Phase-4-Light. None of them is in orbit.
>> - There are 100 CubeSats in orbit.
>>
>> Year 2011:
>> - P3E is still on ground, no launch opportunity was found.
>> - There are 200 CubeSats in orbit.
>>
>> Do you see what I mean ?
>>
>>
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>>
>>
> _____
> Well Thomas i see what you mean and i think the Cubesats fenomena is
> like a sickness. Because is involved education, i think that we can't
> stop this process so a solution is a cooperation with ,,pumpkin
> campus" for mounting ham transporders and make atractive for them
> HEO's.
>
>
>
Hello Florian, group

This would be very difficult or impossible. CubeSats are big business now and have its own philosophy. HEO's are too expensive as you know yet. The only way is the cooperation between us HAMs and the students at the universities. But also this is difficult while each university "cooks her own soup". The great exception is the Uni from Delft (NL) with her DelfiC3/DO-64. An exception was also the cooperation between AMSAT-UK and SSETI with eXpress-OSCAR-53. See http://www.amsat.org/amsat-new/satellites/sat_summary/SSETI.php

Only a joint way will us serve a future with satellites for our hobby. Or a multi millionaire who finance us a HEO with launch. ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1732. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 10:08:30 UTC
From: Simon Brown
Topic: 1707 Message: 1732

What if the LEO's become very popular? Maybe the EU commission would finance a few university HEO's and we (hams) could negotiate transponders and beacons in return for use of Ham bands and software?

To be honest the only way I think we'll get a HEO is to join in with a EU education program.

Simon Brown, HB9DRV

From: "Thomas Frey" <th.frey@...>
>
> Only a joint way will us serve a future with satellites for our hobby.
> Or a multi millionaire who finance us a HEO with launch. ;-)
>

1733. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 10:13:28 UTC
From: Simon Brown
Topic: 1707 Message: 1733

I mean what if CubeSat LEO's become popular...

Simon Brown, HB9DRV

From: "Simon Brown" <simon.brown@...>

> What if the LEO's become very popular? Maybe the EU commission would
> finance
> a few university HEO's and we (hams) could negotiate transponders and
> beacons in return for use of Ham bands and software?

1734. On a happier note.

Yahoo group: eu-amsat
Date: 2008-07-16 11:27:05 UTC
From: Allan Copland
Topic: 1707 Message: 1734

--- In eu-amsat@yahoogroups.com, "Simon Brown" <simon.brown@...> wrote:
>
> I mean what if CubeSat LEO's become popular...
>

Well Simon, CUBESAT LEO's already *are* popular.... popular with the education community, that is.

As a platform to carry linear transponders, they are a non-starter.
The reason can be summed up in two words. Power budget.
A Triple Cubesat like Delfi-C3 is better but thats cheating really.
Three CUBESATS bolted end-to-end ... well thats a cheat surely!

An 8 inch 'Cubesat' in LEO would be a different proposition altogether for linear operation. A 'big Cubesat' if you will.

I don't think that AMSAT has anything to gain from getting too 'chummy' with the education sector. Just my personal view. I just can't see any real benefits.

73 Al.

1735. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 12:19:27 UTC
From: Thomas Frey
Topic: 1707 Message: 1735

Simon Brown schrieb:
> What if the LEO's become very popular? Maybe the EU commission would finance
> a few university HEO's and we (hams) could negotiate transponders and
> beacons in return for use of Ham bands and software?
>
>

This is a nice dream Dear Simon. They have their own Galileo project.
The Cubesat LEOs are popular yet and no university would change from
LEO to HEO. There is no need for their experiments I think.

But we can go the other way. AMSAT builds a tripple Cubesat with an
arcjet truster like in AO-40 and fires it into a HEO-orbit. I don't
know, if this is technically possible. But so you can save much money
for the launch. An other question will be the transponders, antennas,
battery and computer in such a Cubesat.

> To be honest the only way I think we'll get a HEO is to join in with a EU
> education program.
>
> Simon Brown, HB9DRV
>
> ----------
> From: "Thomas Frey" <th.frey@...>
>
>> Only a joint way will us serve a future with satellites for our hobby.
>> Or a multi millionaire who finance us a HEO with launch. ;-)
>>
>>

Thats what I said with a "joint way". Its unimportant whether with EU
(government), industry, universities or eventually AMSAT-Worldwide.

On this way, our AMSAT-DL president Peter, DB2OS, makes a great job since
many years. But if the Amis (Sorry) means, they must have their own
satellites... this brings us away from a HEO in orbit.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1736. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 12:36:34 UTC
From: Simon Brown
Topic: 1707 Message: 1736

I've got a few spare VAXstations we could put into orbit :-)

Simon Brown, HB9DRV

From: "Thomas Frey" <th.frey@...>

> An other question will be the transponders, antennas,
> battery and computer in such a Cubesat.

1737. Re: [eu-amsat] Re: NAMSATE AND EAGLE PROJECT ARE DEAD!!!

Yahoo group: eu-amsat
Date: 2008-07-16 13:14:35 UTC
From: SV1BSX
Topic: 1707 Message: 1737

> This is a nice dream Dear Simon. They have their own Galileo project.
> The Cubesat LEOs are popular yet and no university would change from
> LEO to HEO. There is no need for their experiments I think.
>
> But we can go the other way. AMSAT builds a tripple Cubesat with an
> arcjet truster like in AO-40 and fires it into a HEO-orbit. I don't
> know, if this is technically possible. But so you can save much money
> for the launch. An other question will be the transponders, antennas,
> battery and computer in such a Cubesat.
>>
>> Simon Brown, HB9DRV
>>

Hi Simon & Group

it's a nice dream, yes indeed. However, I think that it's impossible a
HEO-Cubesat
to support Full-Duplex communication on a Monliya orbit. Keep in mind, the
AO-40
had 500 W ERP on S-Band Downlink ! (50 TX + 10 dBic Helix antenna).

Definitely the power budget is too small on a HEO-Cube in order to be able
to support
even the 10% of this power for S-Band.

For lower Bands -where the "Path Loss" is significant lower, except the
limited
Power-budget probably it's another problem the small Cubesat body.
There is not enough surface for Hi-gain VHF & UHF antennas.

(or - that is a great challenge for "designers" !)

73, Mak SV1BSX

1738. AMSAT-UK Colloquium - UK MoonLITE Mission

Yahoo group: eu-amsat
Date: 2008-07-16 22:42:36 UTC
From: Trevor
Topic: 1738 Message: 1738

Dr Rob Gowen will give the keynote speech "Science Penetrators for the UK MoonLITE mission" at the AMSAT-UK Colloquium.

The 23rd AMSAT-UK International Space Colloquium will be held at the University of Surrey, Guildford, England from Friday 25th until Sunday 27th July.

Dr Rob Gowen, Department of Space & Climate Physics (Mullard Space Science Laboratory, University College London and Coordinator of the UK Lunar Penetrator Consortium) will give the keynote speech on "Science Penetrators for the UK MoonLITE mission".

MoonLITE will be the first ever UK lunar mission. The presentation by Dr Rob Gowen takes place at 2:30 pm on Friday 25th July in the University of Surrey Management Building lecture theatre.

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. An online booking service is available with PayPal, Visa and Master Card payments accepted.

For further details see http://www.uk.amsat.org/Colloquium/

A site map showing location of the Management Building and the adjacent main car park and conference visitors parking can be seen at
http://www.uk.amsat.org/images/stories/uosmap6.jpg

Travel information: http://www.uk.amsat.org/content/view/23/52/

AMSAT-UK Tel: +44 (0)1258 453959
Email: g3wgm@...

Missile practice for Moon mission
http://news.bbc.co.uk/1/hi/sci/tech/7438270.stm

Britain's Moon shot takes shape
http://news.bbc.co.uk/1/hi/sci/tech/7433074.stm

73 Trevor M5AKA

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1740. AMSAT-UK Colloquium - Just 3 Day Left To Book

Yahoo group: eu-amsat
Date: 2008-07-18 07:17:49 UTC
From: Trevor
Topic: 1740 Message: 1740

There are just 3 days left to place a booking for the AMSAT-UK International Space Colloquium.

The 23rd AMSAT-UK International Space Colloquium will be held at the University of Surrey, Guildford, England from Friday 25th until Sunday 27th July.

Dr Rob Gowen, Department of Space & Climate Physics (Mullard Space Science Laboratory, University College London and Coordinator of the UK Lunar Penetrator Consortium) will give the keynote speech on "Science Penetrators for the UK MoonLITE mission".

There will be presentations from AMSAT-DL on both the eagerly awaited P3E satellite and the pioneering Mars Orbiter P5A. This will be the first private venture spacecraft to travel to the Red Planet providing Radio Amateurs with some true DX signals.

The Delfi-C3 team will be giving presentations on their exiting new satellite. Its SSB/CW 435/145 linear transponder will activated soon and is sure to prove popular with satellite enthusiasts world-wide.

The Colloquium is open to all. Either day passes or full packages comprising overnight accommodation and meals are available. An online booking service is available with PayPal, Visa and Master Card payments accepted.

For further details see http://www.uk.amsat.org/Colloquium/

A site map showing location of the Management Building and the adjacent main car park and conference visitors parking can be seen at
http://www.uk.amsat.org/images/stories/uosmap6.jpg

Travel information: http://www.uk.amsat.org/content/view/23/52/

AMSAT-UK Tel: +44 (0)1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/
---

73 Trevor M5AKA

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1743. AMSAT-UK Colloquium to be Webcast by BATC

Yahoo group: eu-amsat
Date: 2008-07-20 09:20:27 UTC
From: Trevor
Topic: 1743 Message: 1743

Thanks to the British Amateur Television Club (BATC) this years AMSAT-UK International Space Colloquium will be streamed live to the web.

Peter Blakeborough G3PYB, President of BATC, will be streaming video of the presentations live to the Internet so that Radio Amateurs and SWL's can watch them from anywhere in the world. This service will be available at http://www.batc.tv/

As well as the live webcast BATC will also be providing a Live Chat web page enabling viewers to post messages.

The 23rd AMSAT-UK International Space Colloquium will be held at the University of Surrey, Guildford, England from Friday 25th until Sunday 27th July.

Prof Sir Martin Sweeting, G3YJO Chairman AMSAT-UK, will open the Colloquium at 14:00 BST (13:00 GMT) on the Friday.

This will be followed by the keynote speech given by Dr Rob Gowen, Department of Space & Climate Physics (Mullard Space Science Laboratory, University College London and Coordinator of the UK Lunar Penetrator Consortium) on "Science Penetrators for the UK MoonLITE mission".

The Colloquium is open to all. New for 2008, it has been arranged with the University for "walkin" day delegates for £10 per day. For this, you do not get any meals, only attendance at lectures/beginners sessions. It does not entitle you to any other of the functions. There is no need to book, just turn up on the day. It would help if you could let us know in advance if you intend using this facility, please email g3wgm@...

For further details see http://www.uk.amsat.org/Colloquium/
Programme: http://www.uk.amsat.org/content/view/640/213/
Travel information: http://www.uk.amsat.org/content/view/23/52/

A site map showing location of the Management Building and the adjacent main car park and conference visitors parking can be seen at
http://www.uk.amsat.org/images/stories/uosmap6.jpg

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Email: g3wgm@...
Web: http://www.uk.amsat.org/

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1744. Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-24 07:58:04 UTC
From: Trevor
Topic: 1744 Message: 1744

On Saturday at 9:05 am (0805 GMT) the Delfi-C3 team will be giving presentations on their exciting new satellite at the AMSAT-UK Colloquium being held at the University of Surrey, Guildford, England July 25-27th. The event is open to all.

The SSB/CW Linear transponder should be activated very soon.

Thanks to the BATC the presentations will be streamed live via the Internet to a worldwide audience. This free service can be viewed at http://www.batc.tv/

Later that day at 11:30 am (1030 GMT) there will be two presentations from AMSAT-DL. These will be on the eagerly awaited P3E High Earth Orbiting satellite and the pioneering Mars Orbiter P5A. This will be the first private venture spacecraft to travel to the Red Planet providing Radio Amateurs with some true DX signals to receive.

For further details see http://www.uk.amsat.org/Colloquium/
Programme: http://www.uk.amsat.org/content/view/640/213/
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http://www.uk.amsat.org/images/stories/uosmap6.jpg

New for 2008, it has been arranged with the University for "walkin" day visitors for £10 per day. For this, you do not get any meals, only attendance at lectures/beginners sessions. It does not entitle you to any other of the functions. There is no need to book, just turn up on the day. It would help if you could let us know in advance if you intend using this facility, please email g3wgm@...

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Webcast: http://www.batc.tv/

AMSAT-UK Web: http://www.uk.amsat.org/
---

73 Trevor M5AKA

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1745. Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-24 11:19:33 UTC
From: SV1BSX
Topic: 1744 Message: 1745

Hi Trevor,

thanks for updating and defininitely I would like to be there, however is..
difficult !

Please - If that is possible, can you ask the Delfi-C3 team about the
duration of this Satellite?
As we have read it's just 1 year.

I think is not very "clear" this point, if they talking about the Linear
transponder or the whole
Satellite's systems (including TLM), so it should be nice if the Delfi-C3
team exlpains that
during -or after- the presentation.
Because the Satellite working without batteries, this short operational
period sounds
unusual.

Thanks in advance

73, Mak SV1BSX

----- Original Message -----
From: "Trevor" <m5aka@...>
To: "AMSAT-EU Group" <eu-amsat@yahoogroups.com>
Sent: Thursday, July 24, 2008 10:58 AM
Subject: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

On Saturday at 9:05 am (0805 GMT) the Delfi-C3 team will be giving
presentations on their exciting new satellite at the AMSAT-UK Colloquium
being held at the University of Surrey, Guildford, England July 25-27th. The
event is open to all.

The SSB/CW Linear transponder should be activated very soon.

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satellite and the pioneering Mars Orbiter P5A. This will be the first
private venture spacecraft to travel to the Red Planet providing Radio
Amateurs with some true DX signals to receive.

For further details see http://www.uk.amsat.org/Colloquium/
Programme: http://www.uk.amsat.org/content/view/640/213/
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A site map showing location of the Management Building and the adjacent main car park and conference visitors parking can be seen at http://www.uk.amsat.org/images/stories/uosmap6.jpg

New for 2008, it has been arranged with the University for "walkin" day visitors for ?10 per day. For this, you do not get any meals, only attendance at lectures/beginners sessions. It does not entitle you to any other of the functions. There is no need to book, just turn up on the day. It would help if you could let us know in advance if you intend using this facility, please email g3wgm@...

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Email: g3wgm@...
Join online at https://secure.amsat.org.uk/subscription/

Webcast: http://www.batc.tv/

AMSAT-UK Web: http://www.uk.amsat.org/
---

73 Trevor M5AKA

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Yahoo! Groups Links

1746. Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-24 11:57:21 UTC
From: Trevor
Topic: 1744 Message: 1746

I'll certainly ask Wouter and let you know his answer.

Here are my thoughts on the lifetime:

When any satellite is built an "operational lifetime" is always quoted.

In some cases it may be as short as a few months because that is all that is needed to acheive the key scientific or other aim of the project but it doesn't mean the satellite will cease functioning after that time.

My understanding is that Delfi-C3 could last for many years. I believe the limiting factors will be solar cell degradation and the orbit height - it will probably burn up in the atmosphere after 20 or so years.

The beacon on UOSAT-Oscar-11 launched in 1984 was still semi-operational until recently, 23 years was good going.

The transponder on Delfi-C3 is very low power, I think only about 250 milliwatts PEP output, so signals on 2 metres are going to be a lot weaker than we may have been used to in the past.

73 Trevor M5AKA

--- On Thu, 24/7/08, SV1BSX <sv1bsx@...> wrote:

> From: SV1BSX <sv1bsx@...>
> Subject: Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder
> To: eu-amsat@yahoogroups.com
> Date: Thursday, 24 July, 2008, 12:19 PM
> Hi Trevor,
>
> thanks for updating and defininitely I would like to be
> there, however is..
> difficult !
>
> Please - If that is possible, can you ask the Delfi-C3
> team about the
> duration of this Satellite?
> As we have read it's just 1 year.
>
> I think is not very "clear" this point, if they
> talking about the Linear
> transponder or the whole
> Satellite's systems (including TLM), so it should be
> nice if the Delfi-C3
> team exlpains that
> during -or after- the presentation.

> Because the Satellite working without batteries, this
> short operational
> period sounds
> unusual.
>
> Thanks in advance
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "Trevor" <m5aka@...>
> To: "AMSAT-EU Group"
> <eu-amsat@yahoogroups.com>
> Sent: Thursday, July 24, 2008 10:58 AM
> Subject: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear
> Transponder
>
>
> On Saturday at 9:05 am (0805 GMT) the Delfi-C3 team will be
> giving
> presentations on their exciting new satellite at the
> AMSAT-UK Colloquium
> being held at the University of Surrey, Guildford, England
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> event is open to all.
>
> The SSB/CW Linear transponder should be activated very
> soon.
>
> Thanks to the BATC the presentations will be streamed live
> via the Internet
> to a worldwide audience. This free service can be viewed at
>
> http://www.batc.tv/
>
> Later that day at 11:30 am (1030 GMT) there will be two
> presentations from
> AMSAT-DL. These will be on the eagerly awaited P3E High
> Earth Orbiting
> satellite and the pioneering Mars Orbiter P5A. This will be
> the first
> private venture spacecraft to travel to the Red Planet
> providing Radio
> Amateurs with some true DX signals to receive.
>
> For further details see http://www.uk.amsat.org/Colloquium/
> Programme: http://www.uk.amsat.org/content/view/640/213/
> Travel information:
> http://www.uk.amsat.org/content/view/23/52/

>
> A site map showing location of the Management Building and
> the adjacent main
> car park and conference visitors parking can be seen at
> http://www.uk.amsat.org/images/stories/uosmap6.jpg
>
> New for 2008, it has been arranged with the University for
> "walkin" day
> visitors for £10 per day. For this, you do not get any
> meals, only
> attendance at lectures/beginners sessions. It does not
> entitle you to any
> other of the functions. There is no need to book, just turn
> up on the day.
> It would help if you could let us know in advance if you
> intend using this
> facility, please email g3wgm@...
>
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> AMSAT-UK Web: http://www.uk.amsat.org/
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> 73 Trevor M5AKA
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1747. Russia to launch Soyuz-ST from Caribbean in 2009

Yahoo group: eu-amsat
Date: 2008-07-24 17:23:57 UTC
From: Trevor
Topic: 1747 Message: 1747

Soyuz-ST should be launched from the new Russian Caribbean launch pad at Kourou in the first half of 2009.

The European Space Agency (ESA) already operates from Kourou. The new Russian Federation launch pad is near the village of Sinnamari about 10 kilometers north of the site used by ESA for the Ariane-5.

The Kourou launch site is intended mainly for the launch of geostationary satellites. Its close proximity to the equator will enable the Soyuz-ST to put into orbit heavier satellites than from Baikonur in Kazakhstan and Plesetsk in northern Russia.

Read the full story at http://tinyurl.com/67z8fk
and http://en.rian.ru/science/20080723/114757834.html

SpaceDaily
http://www.spacedaily.com/

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1748. How do you do packet on the sats?

Yahoo group: eu-amsat
Date: 2008-07-24 20:11:59 UTC
From: m5mkw
Topic: 1748 Message: 1748

All the books I have looked at only shows what you need to do packet on the sats.
Is there anywhere what actually tell you what to do and what commands you need to type etc.
I have done APRS to the ISS but with the pacsats I have not a clue.

TIA Mark

1749. Re: [eu-amsat] How do you do packet on the sats?

Yahoo group: eu-amsat
Date: 2008-07-24 21:02:30 UTC
From: Thomas Frey
Topic: 1748 Message: 1749

m5mkw schrieb:
> All the books I have looked at only shows what you need to do packet
> on the sats.
> Is there anywhere what actually tell you what to do and what commands
> you need to type etc.
> I have done APRS to the ISS but with the pacsats I have not a clue.
>
> TIA Mark
>
>
>

Hello Mark

You have nothing to type, all you need is the program WISP. See
http://www.amsat.org/amsat-new/tools/software.php#digital

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1750. Re: Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-25 10:08:01 UTC
From: Allan Copland
Topic: 1744 Message: 1750

--- In eu-amsat@yahoogroups.com, Trevor <m5aka@...> wrote:
>
> When any satellite is built an "operational lifetime" is always quoted.
>
> In some cases it may be as short as a few months because that is all
that is needed to acheive the key scientific or other aim of the
project but it doesn't mean the satellite will cease functioning after
that time.

Hi,

I agree with Trevor's comments. There is no real reason why Delfi-C3
could not be operated for a VERY long time in orbit. With no battery
to fail or degrade, the limiting factor for the mission is most likely
to be degradation of the solar arrays by radiation.

Given that AO7 is in a more harsh radiation environment than Delfi-C3
is in, and the solar arrays still provide some power to it's
transponders after well over 30 years, it's possible that extended
operation of Delfi-C3 could indeed take place.

It would be a major loss if the controllers of Delfi-C3 were to kill
off the mission prematurely. An extended mission for Delfi-C3 would
also allow the probable lifetimes for other components such as the PIC
CPU and FM430 OBC to be evaluated.

73 Al.
GM1SXX

1751. Delfi-C3 Tranponder now activated over Europe

Yahoo group: eu-amsat
Date: 2008-07-25 19:54:37 UTC
From: Trevor
Topic: 1751 Message: 1751

Delfi-C3 Tranponder now activated over Europe

The Delfi-C3 435 to 145 MHz SSB/CW transponponder has now been activated..

It will be switched on duing this weekend whenever it is within range of Europe and will automatically switch back to science (telemetry) mode when it goes into eclipse about 1 hour later.

This means that only those within range of the European passes will be able to use it.

The Delfi-C3 team will be giving presentations on their exciting new satellite during the AMSAT-UK Colloquium taking place at the University of Surrey, home of the Surrey Space Centre.

The presentations start at 09:05 am (0805GMT) on Saturday July 26th and will will be streamed live to the web to a worldwide audience at http://www.batc.tv/

For more info see

http://www.uk.amsat.org/content/view/658/68/

_____
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http://uk.docs.yahoo.com/ymail/new.html

1752. FO-29 return!?

Yahoo group: eu-amsat
Date: 2008-07-25 21:49:36 UTC
From: Igor
Topic: 1752 Message: 1752

Today at UTC 21.26-21.35 I heard FO-29 beacon, my own cw signal and SW1JGX, which calling SV1BSX on SSB. Signals was strong and clear! Is FO-29 return?

1753. RE: [eu-amsat] FO-29 return!?

Yahoo group: eu-amsat
Date: 2008-07-25 22:28:34 UTC
From: Dimitrios Pallis
Topic: 1752 Message: 1753

hello my friend!!! Of course its returned! My Call Sign is SW1JGW
we heard the beacon with strong Signal!
I hope that FO29 keep working!!!73 sw1jgwDP

To: eu-amsat@yahoogroups.comFrom: rw3xl@...: Fri, 25 Jul 2008 21:49:36 +0000Subject: [eu-amsat] FO-29 return!?

Today at UTC 21.26-21.35 I heard FO-29 beacon, my own cw signal andSW1JGX, which calling SV1BSX on SSB. Signals was strong and clear! IsFO-29 return?

_____
Use video conversation to talk face-to-face with Windows Live Messenger.
http://www.windowslive.com/messenger/connect_your_way.html?ocid=TXT_TAGLM_WL_Refresh_messenger_video_072008

1754. FO-29 is back again !

Yahoo group: eu-amsat
Date: 2008-07-25 23:05:36 UTC
From: SV1BSX
Topic: 1754 Message: 1754

Hello all,

after Robert-G8ATE's report on Amsat-BB, this evening I tried together with my friend Dimitris, SW1JGW, a test on FO-29.

Well, yes indeed, the Satellite is active again ! Just after the AOS we heard clear the Beacon, and then I had a nice QSO with SW1JGW (21:36Z) ! After that I changed my frequency a bit lower and I had a 2nd QSO with DL6HP (21:38 Z).

Both, Dimitris and I, we were QRP ! 5 Watts for Uplink were enough for excellent return signals on Downlink. By using QRP we tried to avoid any overloading of the bird.

The Satellite was really Booming, always 55 - 59 with "crystal audio".
However, at 21:38 my return-signal rapidly decreased, but even much lower it was easily readable.
After that I interrupted my TX and I return onto Beacon frequency. Q5 now, but still "clear" !

Later I noticed that on my tracking software, precisely at this time the Satellite came on a new Eclipse !
So, probably the old-Batteries are not strong enough in order to support the same Downlink-power
in eclipse, like that on Sunlight. Also I observed some FMing at this point and I lost the signal before the LOS, but on this direction I have not "clear horizon" (but High buildings),
so I can't say with accuracy if the Satellite was still "ON" or not. Sorry !

Anyway, the FO-29 is back again ! Great news !

CU on FO-29 !

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1755. Re: FO-29 is back again No2

Yahoo group: eu-amsat
Date: 2008-07-26 00:09:26 UTC
From: SV1BSX
Topic: 1755 Message: 1755

Hello again,

Just a few minutes ago FO-29 was in my range for 2nd time this night (orbit #58964) and it was
active again, strong and healthy !
I heard it clear from 5 degr @ 23:18 Z, over Scandinavia. At 22:23Z came on a new Eclipse again... however it's obvious that, as I observed very carefully this time, the Satellite has
not any problem also into Eclipse! I did not notice any decreasing of Downlink power this time, nothing at all. I sent several times CQ on CW and SSB, too. No problem !
Always BOOOMing ! Loud & Clear signal !

I lost the signal at 23:29 (5 degr). It is absolutely normal from my location that.

After my 2nd observation, it's obvious that (my opinion) now the batteries can maintain the Satellite "ON",
even if goes through Eclipses. I don't know how is possible to re-born old-batteries on Space, however...
Congratulations to JARL for that ! Well done !

My compliments Gentlemen... I vail . -

73, Mak SV1BSX
----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@... ; i8cvs
Sent: Saturday, July 26, 2008 2:05 AM
Subject: [eu-amsat] FO-29 is back again !

Hello all,

after Robert-G8ATE's report on Amsat-BB, this evening I tried together with my friend Dimitris, SW1JGW, a test on FO-29.

Well, yes indeed, the Satellite is active again ! Just after the AOS we heard clear the Beacon, and then I had a nice QSO with SW1JGW (21:36Z) ! After that I changed my frequency a bit lower and I had a 2nd QSO with DL6HP (21:38 Z).

Both, Dimitris and I, we were QRP ! 5 Watts for Uplink were enough for excellent return signals on Downlink. By using QRP we tried to avoid any overloading of the bird.

The Satellite was really Booming, always 55 - 59 with "crystal audio".
However, at 21:38 my return-signal rapidly decreased, but even much lower it was easily readable.
After that I interrupted my TX and I return onto Beacon frequency. Q5 now, but still "clear" !

Later I noticed that on my tracking software, precisely at this time the Satellite came on a new Eclipse !
So, probably the old-Batteries are not strong enough in order to support the same Downlink-power
in eclipse, like that on Sunlight. Also I observed some FMing at this point and I lost the signal before the LOS, but on this direction I have not "clear horizon" (but High buildings),
so I can't say with accuracy if the Satellite was still "ON" or not. Sorry !

Anyway, the FO-29 is back again ! Great news !

CU on FO-29 !

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx.50webs.com

1756. Re: FO-29 return!?

Yahoo group: eu-amsat
Date: 2008-07-26 05:17:31 UTC
From: Igor
Topic: 1752 Message: 1756

It's a great news!
Congrats JARL, and I will looking for QSO's today :)

1757. MX 70 SSB electronics Manual

Yahoo group: eu-amsat
Date: 2008-07-26 10:38:20 UTC
From: SW1JGW
Topic: 1757 Message: 1757

hello OMS
I have bought a SSb electronics MX70 preamp from German Ebay
Unfortunately I have not got the operating manual. Can anyone help me?

Regards
73 de SW1JGW

1758. Re: FO-29 is back again !

Yahoo group: eu-amsat
Date: 2008-07-26 16:03:47 UTC
From: mika.siira
Topic: 1754 Message: 1758

Hello Mak & group,

I listened the FO-29 pass around 1320UTC today, CW beacon was very strong and I was able to hear my own signal down to 0,5 degrees (max. elevation was about 2 degrees) with 10-20 watts from the rig to a 5-el linear polarized yagi. Let's hope that FO-29 continues to work like this also in the future!

Mika, 0H8MBN

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all,
>
> after Robert-G8ATE's report on Amsat-BB, this evening I tried together with my friend
> Dimitris, SW1JGW, a test on FO-29.
>
> Well, yes indeed, the Satellite is active again ! Just after the AOS we heard clear
> the Beacon, and then I had a nice QSO with SW1JGW (21:36Z) ! After that I changed
> my frequency a bit lower and I had a 2nd QSO with DL6HP (21:38 Z).
>
> Both, Dimitris and I, we were QRP ! 5 Watts for Uplink were enough for excellent return
> signals on Downlink. By using QRP we tried to avoid any overloading of the bird.
>
> The Satellite was really Booming, always 55 - 59 with "crystal audio".
> However, at 21:38 my return-signal rapidly decreased, but even much lower it was easily readable.
> After that I interrupted my TX and I return onto Beacon frequency. Q5 now, but still "clear" !
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> Later I noticed that on my tracking software, precisely at this time the Satellite came on a new Eclipse !
> So, probably the old-Batteries are not strong enough in order to support the same Downlink-power
> in eclipse, like that on Sunlight. Also I observed some FMing at this point and I lost the
> signal before the LOS, but on this direction I have not "clear horizon" (but High buildings),
> so I can't say with accuracy if the Satellite was still "ON" or not. Sorry !

>
> Anyway, the FO-29 is back again ! Great news !
>
> CU on FO-29 !
>
> 73 de Mak, SV1BSX
>
>
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

1759. FO-29 IS on over NA but no one show up!

Yahoo group: eu-amsat
Date: 2008-07-27 01:23:05 UTC
From: Luc Leblanc
Topic: 1759 Message: 1759

I called on 3 passes today on FO-29 but no one shows up. Signal was very stable and clean but i suspect the TX was running at QRP level i
only got a S2 reading with the INT preamp on on the FT-847!

Anyway it's another one the be anchored on to avoid driftingachonred out of the channel.
DELFI C-3 will be the next one.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1760. Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-27 21:49:08 UTC
From: Trevor
Topic: 1744 Message: 1760

Mak,

I spoke to Wouter. Hopefully Delfi-C3 will last many years but of course a failure of a critical component could reduce that just as with any other satellite.

We already have Cubesats that have been operating in orbit for 5 years now and I seen no reason why Delfi-C3 shouldn't exceed that.

The microprocessor is one component that could fail due to radiation damage. The good news is that even if it does fail the design should permit Delfi-C3 to keep operating. So I'm looking forward to many years of operation.

The power level is lower that the 250 mw I mentioned in my last post.

It turns out the transponder is running about 150 milliwatts PEP output rather than the 400 mw figure quoted on the Delfi web site. The transponder Beacon is running 30 mw.

The 70 cm receiver has a noise figure of 6 or 7 dB, this may at first sight seem high but is intentional. It's because it is designed to handle Pave Paws and other radars which operate in 70cm. It is unfortunate that Radio Amateurs do not have any Primary spectrum at UHF.

It appears the innovate antenna deployment mechanism they use may also work at 50 MHz. We do not have an Amateur Satellite allocation in this band but AMSAT-UK and the RSGB among others are trying in the long term to get an ITU Satellite allocation from 50-51 MHz. This would be very useful for Cubesat linear transponders since the path losses are significantly lower, a major consideration for Cubesat Transponder operation. Efforts are also being made to get a small IARU Satellite allocation at the bottom end of 2 metres. If we eventually do get 50 MHz allocation we could see 50-144 linear transponders on cubestats.

73 Trevor M5AKA

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http://uk.docs.yahoo.com/ymail/new.html

1761. Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

Yahoo group: eu-amsat
Date: 2008-07-28 14:49:57 UTC
From: SV1BSX
Topic: 1744 Message: 1761

Hi Trevor,

thank you very much for answer. I appreciated.

Now we looking for 24/7 activation of Delfi's transponder !
Unfortunatelly I had no luck the weekend, I was busy when
the transponder was "ON".

73, Mak SV1BSX

----- Original Message -----
From: "Trevor" <m5aka@...>
To: "AMSAT-EU Group" <eu-amsat@yahoogroups.com>
Sent: Monday, July 28, 2008 12:49 AM
Subject: Re: [eu-amsat] Delfi-C3 (DO-64) 435-145 MHz Linear Transponder

> Mak,
>
> I spoke to Wouter. Hopefully Delfi-C3 will last many years but of course a
> failure of a critical component could reduce that just as with any other
> satellite.
>
> We already have Cubesats that have been operating in orbit for 5 years now
> and I seen no reason why Delfi-C3 shouldn't exceed that.
>
> The microprocessor is one component that could fail due to radiation
> damage. The good news is that even if it does fail the design should
> permit Delfi-C3 to keep operating. So I'm looking forward to many years of
> operation.
>
> The power level is lower that the 250 mw I mentioned in my last post.
>
> It turns out the transponder is running about 150 milliwatts PEP output
> rather than the 400 mw figure quoted on the Delfi web site. The
> transponder Beacon is running 30 mw.
>
> The 70 cm receiver has a noise figure of 6 or 7 dB, this may at first
> sight seem high but is intentional. It's because it is designed to handle
> Pave Paws and other radars which operate in 70cm. It is unfortunate that
> Radio Amateurs do not have any Primary spectrum at UHF.
>
> It appears the innovate antenna deployment mechanism they use may also
> work at 50 MHz. We do not have an Amateur Satellite allocation in this
> band but AMSAT-UK and the RSGB among others are trying in the long term to
> get an ITU Satellite allocation from 50-51 MHz. This would be very useful
> for Cubesat linear transponders since the path losses are significantly

> lower, a major consideration for Cubesat Transponder operation. Efforts
> are also being made to get a small IARU Satellite allocation at the bottom
> end of 2 metres. If we eventually do get 50 MHz allocation we could see
> 50-144 linear transponders on cubestats.
>
> 73 Trevor M5AKA
>
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>
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> _____
> Not happy with your email address?.
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> now at Yahoo! http://uk.docs.yahoo.com/ymail/new.html
>
> ---
>
> Yahoo! Groups Links
>
>
>

1762. AO-7: out of eclipse?

Yahoo group: eu-amsat
Date: 2008-08-07 15:16:58 UTC
From: SV1BSX
Topic: 1762 Message: 1762

Hi all,

as I read on AO-7's Online LogBook, today the Satellite "switched" on Mode-A after a long time.
Looking for eclipse-periods, according to NOVA today @ 12:25 UTC it was the
last Eclipse for the current season! The next one will be on 12th of May, 2009 .

However, according to Emily's Log that is not true, the end of eclipses take place at October 2008.

http://www.planetemily.com/ao7/Eclipse.php

I wondering... Is it NOVA "true" or Emily's Log ?

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1763. Re: [eu-amsat] AO-7: out of eclipse?

Yahoo group: eu-amsat
Date: 2008-08-07 15:53:01 UTC
From: Thomas Frey
Topic: 1762 Message: 1763

SV1BSX schrieb:
> Hi all,
> as I read on AO-7's Online LogBook, today the Satellite "switched" on
> Mode-A after a long time.
> Looking for eclipse-periods, according to NOVA today @ 12:25 UTC it
> was the
> last Eclipse for the current season! The next one will be on 12th of
> May, 2009 .
> However, according to Emily's Log that is not true, the end of
> eclipses take place at October 2008.
> http://www.planetemily.com/ao7/Eclipse.php
> I wondering... Is it NOVA "true" or Emily's Log ?
> 73 de Mak, SV1BSX
>
Hello Mak

I think your calculation with Nova is correct. In Emily's calculation
a long time error takes effect.

I will be QRV again in Mode-A on Saturday if the timer works normally.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1764. AMSAT-UK Video's on BATC Site

Yahoo group: eu-amsat
Date: 2008-08-07 22:43:11 UTC
From: Trevor
Topic: 1764 Message: 1764

AMSAT-UK Video's on BATC Site

Videos of the presentations given at this years AMSAT-UK Colloquium are now available on the BATC video site.

To access the videos go to http://www.batc.tv/ and click on the 'Archive' button on the left.

Select which AMSAT-UK lecture you wish to watch then click the 'Play' (>) icon.

Click on the icon between the 'Progress' bar and the 'Volume' bar to get full screen viewing.

Lectures 4 and 5 are about the MoonLITE project which will be the first Lunar mission by the United Kingdom.

Lectures 6, 7 and 8 are about the Delfi-C3 satellite

Lecture 9 is the P3-E satellite presentation given by AMSAT-DL President Peter Guelzow DB2OS, see also "Get into Orbit with AMSAT-DL's P3E-Satellite" at http://www.p3e-satellite.org/index.pl?lang=en_EN

Lecture 10 will be the Amateur Radio Mars Orbiter P5-A given by Achim Vollhardt DH2VA, see also "GO-Mars with AMSAT-DL's P5A Mission" at http://ticket-to-mars.org/index.pl?lang=en_EN

Lecture 11 will be the Delfi-n3Xt next generation satellite presentation

The full lecture programme can be seen at http://www.uk.amsat.org/content/view/640/213/

AMSAT-UK publish a newletter OSCAR News which is full of Amateur Satellite information. Join online at https://secure.amsat.org.uk/subscription/

For further details contact Jim Heck G3WGM.
Tel: +44 (0)1258 453959
Email: g3wgm@...
Web: http://www.uk.amsat.org/

_____
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1765. AMSAT UK P3E Lecture Available

Yahoo group: eu-amsat
Date: 2008-08-07 22:52:35 UTC
From: Keith
Topic: 1765 Message: 1765

Please excuse if this has been posted already, as I have been away and have not been keeping close tabs on the reflector lately.

The P3E Lecture that was given at the AMSAT-UK Colloquium by Peter DB2OS is available for viewing on the British Amateur Television Club web site.

http://www.batc.tv/

It's located under the Film Archive Channel and is listed as AMSAT-UK Lecture 9 from the drop down menu.

The other presentation are also available except I couldn't find the P5A lecture. Possibility it hasn't been processed yet ?

Enjoy... Keith N4ZQ

1766. Re: [eu-amsat] AMSAT-UK Video's on BATC Site

Yahoo group: eu-amsat
Date: 2008-08-08 07:12:15 UTC
From: Simon Brown
Topic: 1764 Message: 1766

Excellent!

Simon Brown, HB9DRV

From: "Trevor" <m5aka@...>

> AMSAT-UK Video's on BATC Site

1767. Re: [eu-amsat] AMSAT UK P3E Lecture Available

Yahoo group: eu-amsat
Date: 2008-08-08 17:12:49 UTC
From: Luc Leblanc
Topic: 1765 Message: 1767

Very nice presentations. One attract my attention was made by Peter Guelzow DB2OS one one of his slide we can read:

ATTRACTIVENESS OF AMATEUR RADIO HAS DROPPED SIGNIFICANTLY

FUNDING A SATELLITE FROM AMATEUR RESSOURCES ALONE NEVER WORKED BEFORE AND WILL NOT WORK NOW.

I don't how to explain how all the wisdom and reality knowledge seems to be concentrated in Europe when speaking about amateur satellite?
Could be we are too stupid here and we swallow anything "the official" says but with the figures given 3.5$ millions can be reached in 3
years by 6000 supporters at a contribution rate of 200$ per year.

I know figures was given in pounds but it is achievable if one day or another the AMSAT'S regroup under an unique satellite funding
structures any goals will be achievable. It's true that "FUNDING A SATELLITE FROM AMATEUR RESSOURCES ALONE NEVER WORKED BEFORE" but the
context never evolved the same AMSAT'S pattern remain as if it was the only one TRUE solution...It's not.

OPINION POLL AND SURVEYS

I start one "unscientific" couple years ago AMSAT-NA make one more scientific...too and the last one show up the very same results the
amateur community want's by a very strong margin HEO'S. The cube sat concept is already very well served by all the cube sats group. It
will be logical NOW that the NON CUBE amsat's refocused their goals on HEO'S.

It should be their primary goals not making cube sats as they are cheaper to construct and launch but making or financially/technically
supporting the most viable actual HEO'S project eg: P3E.

Again after a small period of darkness someone light up the candle at the end of the tunnel and the tunnel is under the Atlantic with the
exit at +- 4000 KM from here.

Still hope when there is still life!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1768. Pave pawns QRM?

Yahoo group: eu-amsat
Date: 2008-08-10 03:48:24 UTC
From: Luc Leblanc
Topic: 1768 Message: 1768

On an SO-50 pass this evening i heard over pile up the distinct Pave Pawns signal (braw braw braw) pulsing signal. I don't know if the
system is able to generate harmonics down to the 2 meter band? If it was not pave Pawns it is something i heard on AO-40 and that was
triggering LEILA at that time?

Anyone else on that pass heard that?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1769. DO-64 observation

Yahoo group: eu-amsat
Date: 2008-08-10 15:58:35 UTC
From: Luc Leblanc
Topic: 1769 Message: 1769

First experience with do-61 (DELFI C-3) this morning here.

1-No body was on the satellite only me calling CQ
2-From AOS to TCA signal was very good about +-3 DB above noise level
3-At TCA signal dropped below noise level too week for SSB but week for CW
4-From TCA to LOS signal remain below noise level and became too weak even for CW

I suspect the satellite antenna configuration show some directivity or it is the satellite attitude who seems to favour some part of the
orbit pass? I was never able to received my SSB dowlink on the eastern pass only a week CW carrier one time. There is some audio AGC as
increasing the audio level make's not a big change on the dowlink. I was able to uplink with the FT-847 RF gain control completely turned
off (about 1 or 2 watts).

I don't know if my results are in line with what the team planned but when the sat was on data mode i was able to copy it from AOS to LOS
but i think the TX power is reduced in transponder mode?

It make's another one to experiment with and a preamp is imperative to be able to work it with ease. Just have to get some folk's on it
here to be able to check it again.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1770. Re: [amsat-bb] Re: Fw: Re: [eu-amsat] AMSAT UK P3E Lecture Available

Yahoo group: eu-amsat
Date: 2008-08-11 00:43:13 UTC
From: Luc Leblanc
Topic: 1770 Message: 1770

On 11 Aug 2008 at 9:02, Tim Tuck wrote:

> Trevor wrote:
>
> > Off the top of my
> > head I can only think of three AMSAT groups that have more than 100 members,
> > AMSAT-NA, AMSAT-UK and AMSAT-DL. (I really would love to be proved wrong on
> > that).
> >
>
> AMSAT-VK currently has 159 members at last count. We're very active on the LEO's
> down here and many of us are actively recruiting members.
>
> More info at...
> http://au.groups.yahoo.com/group/amsatvk/
>
> cheers
>
> Tim
>
>
> --
>
> VK2XTT :: QF56if :: BMARC :: WIA :: AMSAT-VK :: AMSAT
>
>

After all it seems some here are also running for WISDOM but i'm could be a bit over optimistic when i throw the 6000 sat fans i was
probably induced in error by Paris Hilton fans group? It remain a fact that 2 groups having the same funding issues prefer to follow their
own same satellite project?

BTW She's 40 years old and she never know where to send her money? Did any one ever think if she can help our cause? It could be sound
foolish but thinking twice it could be not so foolish after all...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1771. SumbandilaSat new launch date!

Yahoo group: eu-amsat
Date: 2008-08-11 14:24:42 UTC
From: Thomas Frey
Topic: 1771 Message: 1771

```
>
>
> *SumbandilaSat launch new date!*
>
> The launch of SumbandilaSat carrying an Amateur payload is now
> scheduled for December/January time frame. The South African
> Government recently met with the Russian in Moscow. A Russian
> delegation will be visiting South Africa in the next few week to
> finalise the launch
>
> SumbandilaSat will be launched from the Baikonur Cosmodrome.
>
```

http://www.amsatsa.org.za/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1772. Re: [eu-amsat] SumbandilaSat new launch date!

Yahoo group: eu-amsat
Date: 2008-08-11 17:01:06 UTC
From: Simon Brown (KNS)
Topic: 1771 Message: 1772

I haven't read the whole website - I assume it's a standard LEO ?

Simon Brown, HB9DRV

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
>
> http://www.amsatsa.org.za/
>

1773. Re: [amsat-bb] AMSAT HEO design evolution (longish)

Yahoo group: eu-amsat
Date: 2008-08-11 20:06:14 UTC
From: Luc Leblanc
Topic: 1773 Message: 1773

On 11 Aug 2008 at 13:00, G0MRF@... wrote:

>There are probably ways of trimming this back substantially.
> In LEO sat design we have seen a reduction in size from 400kg to the SSTL
> microsat of about 120kg in the 1980's. These days the SSTL 'microsat' has
> evolved down to 3 - 5kg. with projects like the NASA Nanosail design. But no such
> revolution has taken place in HEO satellites
> So, a few possibilities. You can probably think of more.....
>
> Could we do HEO within a 50kg budget? = 1.5million Euros spread over a 10
> year lifespan?
>
If i read you correctly you mean no more bells and whistles only a +- plain transponder?
But if i remember correctly it seems some of the
builders does not found the challenge up to their ambitions!

The new vector now is the human factor and it seems as hard to deal with than the funding issues!

Remain my Paris Hilton solution and i was wrong she's 27 but still blonde and cute with a lot of cash. The age factor is further reducing
our funding chances here not speaking for myself naturally and my english is too bad anyway...

Trivia question:

What was the average attendance age at the last AMSAT-UK symposium conferences?

Your answer will let you know how soon the next HEO is desirable!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1774. Fw: [amsat-bb] AMSAT HEO design evolution (longish)

Yahoo group: eu-amsat
Date: 2008-08-11 19:13:07 UTC
From: SV1BSX
Topic: 1774 Message: 1774

Hi all

I found extremely interesting the following Email by G0MRF.
For non-readers of Amsat-BB, I forwarded here.

73, Mak SV1BSX

----- Original Message -----
From: <G0MRF@...>
To: <m5aka@...>; <amsat-bb@amsat.org>
Sent: Monday, August 11, 2008 8:00 PM
Subject: [amsat-bb] AMSAT HEO design evolution (longish)

Given the understandable negative content of the posts recently regarding the AMSAT HEO satellite debate, perhaps it's time to return to basics and ask some fundamental questions about the way we design satellites and fund their launch.

The problem: AMSAT High Earth Orbiting satellites have historically had a mass between 150kg for P3 and 650kg+ for AO-40 and at 30,000 Euros per kg, we do not have the resources to self finance the launch costs of 4.5 million (30k x 150) to 15 million Euros to launch.
However, AO-40 was probably a 1-off and will never be repeated. So let's say 4 - 5 million.

The way forward?
1) Raising the funds for the standard launch cost of the typical AMSAT HEO is beyond us. So other external funding solutions are needed either by providing a service which is paid for. - An example of exploring this route is the AMSAT NA proposed Advanced Communications Project via Intelsat.
A second approach, is to include commercial payloads within the AMSAT spacecraft, or perhaps including AMSAT 'functionality' within other commercially or educationally funded spacecraft. Again, there are examples of this approach for LEOs. Delfi C3 is one success story. Also, and had it worked for more than a few orbits the ESA Education department / SSETI Express XO-53 was another. But at HEO the opportunites are very rare indeed, the only project currently being persued is the ESA ESEO educational mission with AMSAT UK providing a U/S transponder as part of a redundant communications system for the spacecraft.
As we have been reminded in the past few days, self funding never worked before and it wont work in the future. I feel some sympathy for the AMSAT NA board who have an apparently impossible task to fulfil, but their enthusiasm to elicit support has let expectations exceed funding ability. - The response ha s been vocal. But at least they are trying.
Finally on the funding issue, what have we done in the last 8 years? We've had the Eagle fund. We've had the successful AO-51 fund raising campaign, but

really, since the launch of AO-40 in November 2000 we haven't saved for this 'HEO' eventuality. If we are ever going to replace spacecraft in the future, fund raising needs to be more sustained and less impulse led. We have little to show for the last 8 years.

2) There is however another option which may be self financing. A fundamental spacecraft redesign to reduce the mass to a figure we can afford to launch. Over the last 25 years, the mass of a P3 spacecraft has remained fairly constant. About 90kg of structure and payload with an additional 60kg of bi-propellent fuel. There are probably ways of trimming this back substantially. In LEO sat design we have seen a reduction in size from 400kg to the SSTL microsat of about 120kg in the 1980's. These days the SSTL 'microsat' has evolved down to 3 - 5kg. with projects like the NASA Nanosail design. But no such revolution has taken place in HEO satellites
So, a few possibilities. You can probably think of more.....

a) The 60kg of fuel has been needed to raise perigee and increase inclination from a typical geostationary transfer orbit. But there have been orbital change manoeuvres that have not gone to plan e.g. AO-10 and AO-40, but those satellites have still given us usable communications. Do we need all 60kg? How about raising the perigee to give a long life and a slight increase in inclination to get us out of the GTO belt around from around 7 degrees to 15 degrees? I wonder what the saving is there, 400 Newton motor down to 50 Newton motor. Fuel from 60kg down to 15kg? Saving = 45 + 5kg = 1.5 million Euros? OK the figures are guesswork, but there must be savings.

b) Spacecraft design. During our time with P3 spacecraft, we have seen transponder power change dramatically. I recall the first few days of AO-40 when I heard the 2m beacon stronger than many local FM stations. But then it used a 300 Watt BLF278 type device and was designed to give a huge signal. Equally, I also recall receiving a worked all continents satellite award for QSOs I made on the experimental AO-13 mode S transponder. That was 1 Watt (max) into a 5 turn helix on 2400. So, in the future, do we need 45 or 50 Watts of power in a 100kHz wide transponder? After all, if there are fewer amateurs, we can use less bandwidth saving power and mass in the process. 8 Watts and 50kHz? A consequence of such a design change would require a groundstation with more than a patch antenna to pick up the signal. But is that unreasonable, dishes are cheaper than launches.

c) Two final thoughts. Firstly, isn't the world moving away from metal structures to carbon and ceramic composites. Mass saving perhaps. Secondly, I don't think AMSAT with it's limited resources can afford to put spacecraft into orbit that will fail the moment the batteries die. Let's not dwell on the excellent Delfi example, but instead look at the Intelsat spacecraft. Is it not the case that they have a 10 year lifespan which is limited by stationkeeping fuel? While they operate 24/7 the power comes from the solar cells. The batteries are used only in eclipse. With our P3 designs, as I understand them, the spacecraft can not function on solar cells alone. Unfortunately, the advantage of our chosen HEO orbits also mean that the batteries on a P3 satellite go through a couple of eclipses a day. As battery life is proportional (or worse) to depth of discharge of the batteries, it's not surprising that most

AMSAT spacecraft suffer battery failure. But with limited funds we really need to design in a mode so that 5 years on, the batteries can be switched out of circuit and a sensible geometry of solar panels can continue to provide some daylight only functionality.

Conclusion:
Funding campaigns need to run over several years within a rolling plan to supply launch funding.
Designs need to evolve to include new technologies. Mass reduction = lower launch cost should be near the top of the list.
With fewer amateurs, and modern digital modes we need less bandwidth.
It is not unreasonable for an AMSAT member to need a moderate size of antenna to work an HEO. So, lower power in space.
Lifespan needs to be increased and with HEO that means battery failure should be anticipated and mitigated in the design. A daylight operating spacecraft is better than no spacecraft at all.

Thanks.....a quiet day here!

David

Could we do HEO within a 50kg budget? = 1.5million Euros spread over a 10 year lifespan?

1775. Re: [amsat-bb] DO-64 observation

Yahoo group: eu-amsat
Date: 2008-08-11 19:20:07 UTC
From: Luc Leblanc
Topic: 1775 Message: 1775

On 11 Aug 2008 at 15:12, wouter weggelaar wrote:

> Hi Luc,
>
> Thanks for your report here on the BB,
> Did you try to switch your polarization between LHCP and RHCP?
> As Delfi-C3 goes over the earths poles, it flips itself 180 degrees in
> Z axis (perpendicular to earth). Otherwise one side will be always
> exposed to sunlight and things might run hot / degrade in time.
> Due to this flip, the polarization sense changes depending on which
> pass you are tracking (ascending from south to north, or descending
> from north to south)
> If you do not switch polarization sense, you can observe big
> differences between those two.
> Please bear in mind that Delfi does not have any active attitude
> control system and solely relies on passive stabilization.
> During a pass, polarization might change due to slow rotations. You
> could try to switch polarization within a pass and see whichever is
> stronger.
>
> Delfi-C3 does have an RF AGC within the IF-stage, so uplinking more
> power than necessary only limits other weaker stations and does not
> improve your own signal.
>
> We received some reports about people uplinking using a FT817 with
> abt. 5 Watts into an arrow antenna, so your 1 or 2 watts with a good
> antenna could do miracles...;)
> Reports of Delfi-C3 (DO-64) transponder operation are greatly
> appreciated and can be sent to info at delfic3.nl or via the BB.
>
>
> On behalf of the Delfi-C3 team,
>
> Best 73's
>
> Wouter Weggelaar
> PA3WEG
> Delfi-C3 Command Team
>
>
>
>
Thank's Wouter for your comments.

The change in signal strength appears at TCA exactly at west and it was a southbound pass. I guess the antenna main lobe was directed at me
and when the satelllite passed my TCA point the main lobe was not directed at me.

Half the pass was very good and the other extremely weak i'm using a 14 elem cross yagi stuck in right hand polarisation i know a 3DB
difference due to polarisation change on a yagi but much more when using the wrong polarisation. This old KLM 2M 14C suffer numerous
winters 2 crash down and the relay and the relay board where broken up to a point of no repair the only one solution is to make two
separate antenna. I someone used to modified on of theses old beam it will be interesting to know what the impedance is at the end of the 2
4 to 1 balun? It will be nice if it will be 52ohms! But i guess it is 100 ohms as the 2 balun line are tied to a SO-239 connector.?

The audio quality is nearly as good as FO-29 by the way nice sat to experiment with.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1776. Re: [eu-amsat] SumbandilaSat new launch date!

Yahoo group: eu-amsat
Date: 2008-08-11 22:11:33 UTC
From: Trevor
Topic: 1771 Message: 1776

--- On Mon, 11/8/08, Simon Brown (KNS) <simon.brown@...> wrote

> I haven't read the whole website - I assume it's a standard LEO ?

An FM repeater (145.880 to 435.350MHz) in what I presume will now be a 650 km orbit.

I believe it had a budget of over 3 million US dollars.

Frequency co-ordination details at
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=88

73 Trevor M5AKA

Send instant messages to your online friends http://uk.messenger.yahoo.com

1777. Re: [eu-amsat] SumbandilaSat new launch date!

Yahoo group: eu-amsat
Date: 2008-08-11 20:33:25 UTC
From: Thomas Frey
Topic: 1771 Message: 1777

Simon Brown (KNS) schrieb:
> I haven't read the whole website - I assume it's a standard LEO ?
>
> Simon Brown, HB9DRV
>
> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
>
>> http://www.amsatsa.org.za/
>>
>>
>
>

Hello Simon

Here is the link to their Sat-website: http://www.amsatsa.org.za/SZASAT.htm

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1778. Re: [amsat-bb] Re: AMSAT UK P3E Lecture HEO vs GEO. and AMSAT-NAPriorities

Yahoo group: eu-amsat
Date: 2008-08-13 08:48:11 UTC
From: Luc Leblanc
Topic: 1778 Message: 1778

Another one who does not pass the AMSAT-NA censorhip office...Have they a communication problem???

On 12 Aug 2008 at 13:13, Andrew Glasbrenner wrote:

> If anyone wants to know why the majority of BOD members avoid the -bb like
> the plague, replies like Joe's are why.
>
Could be it is a mirror of their actions or inactions and bad decisions? But it can also reflect their good moves!

If the best friend of a weight watcher is the scale AMSAT-BB is for AMSAT-NA BOD even if some are cheating with the adjusting wheel...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1779. HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-23 09:09:28 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1779

A week later than expected the very first technology preview of the new HRD satellite tracking module is available:

http://www.ham-radio-deluxe.com/Downloads/BetaKits/tabid/99/Default.aspx

Something to play with while the HEO satellites are being prepaired :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1780. RE: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-23 14:34:25 UTC
From: Dimitrios Pallis
Topic: 1779 Message: 1780

I Have already downloaded and used the new amazing software.
I used it on AO27 today.

You can see a video of the QSO using the software on Youtube:
http://www.youtube.com/watch?v=5jUZZwA6EB0

On this video you can see the procedure to use the software.

If you want a better quality video with good audio you can download it from my website (link on the first page):

www.sw1jgw.comDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: EU-amsat@yahoogroups.comFrom: simon.brown@...: Sat, 23 Aug 2008 11:09:28 +0200Subject: [eu-amsat] HRD Satellite Tracking - Technology Preview

A week later than expected the very first technology preview of the new HRD satellite tracking module is available:http://www.ham-radio-deluxe.com/Downloads/BetaKits/tabid/99/Default.aspxSomething to play with while the HEO satellites are being prepaired :-)Simon Brown, HB9DRVwww.ham-radio-deluxe.com

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Get ideas on sharing photos from people like you. Find new ways to share.
http://www.windowslive.com/explore/photogallery/posts?ocid=TXT_TAGLM_WL_Photo_Gallery_082008

1781. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-23 15:13:14 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1781

Dimitrios,

Excellent - how did you make this video?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Dimitrios Pallis

I Have already downloaded and used the new amazing software.
I used it on AO27 today.

You can see a video of the QSO using the software on Youtube:
http://www.youtube.com/watch?v=5jUZZwA6EB0

On this video you can see the procedure to use the software.

If you want a better quality video with good audio you can download it from my website (link on the first page):

www.sw1jgw.com

1782. RE: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-23 15:43:32 UTC
From: Dimitrios Pallis
Topic: 1779 Message: 1782

Its very easy to do. You can download from Microsoft download center the Windows Media Encoder 9 Series. It is afree software for XP/VISTA users (with original copy of windows of course - needs validation).
With this software you can record your PC desktop (including audio input outpout) on WMV files
I hope that i help you
regardsDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: simon.brown@...: Sat, 23 Aug 2008 17:13:14 +0200Subject: Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Dimitrios,

Excellent - how did you make this video?

Simon Brown, HB9DRVwww.ham-radio-deluxe.com

----- Original Message -----
From: Dimitrios Pallis
I Have already downloaded and used the new amazing software.I used it on AO27 today. You can see a video of the QSO using the software on Youtube:http://www.youtube.com/watch?v=5jUZZwA6EB0 On this video you can see the procedure to use the software. If you want a better quality video with good audio you can download it from my website (link on the first page): www.sw1jgw.com

_____
Get thousands of games on your PC, your mobile phone, and the web with Windows®.
http://clk.atdmt.com/MRT/go/108588800/direct/01/

1783. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-23 15:48:41 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1783

Excellent - many thanks my friend,

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Dimitrios Pallis

Its very easy to do. You can download from Microsoft download center the Windows Media Encoder 9 Series. It is afree software for XP/VISTA users (with original copy of windows of course - needs validation).
With this software you can record your PC desktop (including audio input outpout) on WMV files

1784. VO-52

Yahoo group: eu-amsat
Date: 2008-08-24 14:13:19 UTC
From: Luc Leblanc
Topic: 1784 Message: 1784

On my 1350UTC VO-52 pass there was nobody on the satellite until Jose CU3EQ in the Azores archipelago show up and i'm just waiting to see
my call sign in his Internet log book http://dx.qsl.net/cgi-bin/logform.cgi?cu3eq a nice feature! signal was great this morning
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1785. Re: [eu-amsat] VO-52

Yahoo group: eu-amsat
Date: 2008-08-24 14:48:09 UTC
From: SV1BSX
Topic: 1784 Message: 1785

Hi Luc, Hi all,

yes indeed, Jose is active also on FO-29 several nights, where the Satellite passes over
W.Europe. He has very good "ear", and he is also excellent operator.

I managed also him on AO-7/A two days before, when the Satellite was without users.
It was a nice surprsise for me on AO-7.

73 de Mak, SV1BSX

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Sunday, August 24, 2008 5:13 PM
Subject: [eu-amsat] VO-52

> On my 1350UTC VO-52 pass there was nobody on the satellite until Jose
> CU3EQ in the Azores archipelago show up and i'm just waiting to see
> my call sign in his Internet log book
> http://dx.qsl.net/cgi-bin/logform.cgi?cu3eq a nice feature! signal was
> great this morning
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>
> No virus found in this incoming message.
> Checked by AVG - http://www.avg.com
> Version: 8.0.138 / Virus Database: 270.6.7/1629 - Release Date: 23/8/2008
> 13:16

>
>
>

1786. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-24 15:36:52 UTC
From: Kostas Ioannidis
Topic: 1779 Message: 1786

Hi all,
I also downloaded this outstanding program! Great job Simon! But I have got one problem. I use wispdde 4.2.1 client with orbitron to steer my antennas using gs232 protocol. However wispdde 4.2.1 does not work with your software(it crashes). Can you suggest another dde client software compatible with HRD Satellite Tracking ? I am "desperate" to switch to HRD Satellite Tracking!

73 de sw1ixp, Kostas Ioannidis

1787. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-24 15:42:01 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1787

Hi Kostas,

I'll check WispDDE myself, if my code crashes I'll fix it ASAP. I've never used WispDDE :-)

I have a few things to do with the Satellite Tracking code this week:

* Better manual tuning support,
* Transverter support,
* NTP client,
* More rotators.

I've fixed a few minor buggy-wuggies.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Kostas Ioannidis" <kostas.ioannidis@...>

> However wispdde 4.2.1 does not work with your software(it crashes).

1788. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-24 15:49:59 UTC
From: Kostas Ioannidis
Topic: 1779 Message: 1788

```
Wispdde returns :
Run-Time error 285 : foreign application won't perform dde method or operation

73 de sw1ixp
```

1789. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-24 15:54:06 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1789

Patience boy - I am getting started with WispDDE, will report here as soon as it's working, error is with my code :-(

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Kostas Ioannidis" <kostas.ioannidis@...>

> Wispdde returns :
> Run-Time error 285 : foreign application won't perform dde method or
> operation

1790. Re: [eu-amsat] HRD Satellite Tracking - Technology Preview

Yahoo group: eu-amsat
Date: 2008-08-24 17:55:39 UTC
From: Simon Brown (KNS)
Topic: 1779 Message: 1790

OK, I am now processing requests from WISP DDE Client OK (I think), I find WISP a bit confusing.

I will spend 20 minutes looking at an alternate DDE format such as WXtrack or whatever there is which may provide more information.

Next kit in the next few days...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Simon Brown (KNS)" <simon.brown@...>

> Patience boy - I am getting started with WispDDE, will report here as soon
> as it's working, error is with my code :-(

1791. CU3EQ on FO-29

Yahoo group: eu-amsat
Date: 2008-08-25 00:33:06 UTC
From: SV1BSX
Topic: 1791 Message: 1791

Hi all,

Jose, CU3EQ was active again on desceding pass over West Europe of FO-29 @23.55 UTC, 435.855 +/- Doppler.

Very LOUD !

Just keep in mind - if you need the "CU" prefix on Sats.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1792. Solar cycle 24

Yahoo group: eu-amsat
Date: 2008-08-25 02:23:06 UTC
From: Luc Leblanc
Topic: 1792 Message: 1792

Excerpt fron ARRL letter

Wondering when Cycle 24 will begin

It seems like we've been at solar minimum forever. In fact, there have been several news releases hinting that this solar minimum period between Cycle 23 and 24 is unusual.

The analysis of recent spotless days compared to historical spotless days (see science.nasa.gov/headlines/y2008/11jul_solarcycleupdate.htm) led Dr. David Hathaway (NASA solar physicist) to conclude that nothing is unusual about this solar minimum period. Another way to look at solar minimum is to look at the duration when the smoothed sunspot number is below 20. Historically this duration has ranged from a short 17 months to a long 96 months, with an average of 37 months. Cycle 23 descended below 20 in February 2006, and Cycle 24 is predicted to ascend above 20 in early 2009. That's around 36 months, so everything appears to be pretty normal so far and agrees with Dr. Hathaway's conclusion. We'll just have to be patient until Cycle 24 starts ramping up. The good news is that we have seen three sunspot regions tied to Cycle 24 (January 4, April 13, and May 5), so it's coming.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1793. Welcome !

Yahoo group: eu-amsat
Date: 2008-08-25 12:54:59 UTC
From: SV1BSX
Topic: 1793 Message: 1793

Hi all,

Jose CU3EQ is already a member of Eu-Amsat !

Welcome to our Group dr Jose and thank you for the *very* nice QSOs
through the Satellites! I am sure a lot of members they would like
to talk with you on Sats. Feel free for any sched's , questions etc.

Enjoy the Group.

73 de Mak, SV1BSX
Eu-Amsat Moderator

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1794. Fw: IARU representation in European Union

Yahoo group: eu-amsat
Date: 2008-08-25 14:05:05 UTC
From: SV1BSX
Topic: 1794 Message: 1794

----- Original Message -----
From: SV1BSX
To: eu-amsat@yahoogroups.com
Sent: Sunday, August 24, 2008 5:33 PM
Subject: IARU representation in European Union

Point of view concerning effective representation of radio amateurs all over the world,

In the XXI century the IARU needs to modernize their rules and Constitution and the old resolution 93-3.

Noting:

1. The constitutional obligation of all IARU member Societies is represent adequately the interests of radio amateurs throughout their country and autonomous or separate territory.

2. Is an imperative for the XXI century, the modernization of this concept of «national society» and change to other Constitution of national federations or national confederations, to include all the national, regional and local associations, NGO, leagues, groups, gangs or clubs.

3. That in some democratic countries, like in European Union, the National Constitution of each state assumes the non-obligation to participate in associative movements and the freedom of choice to affiliate in any national, regional or local association. In freedom countries there are radio amateurs who are members of other national associations and non-governmental and non-lucrative organizations that works for education and development of science and technology trough the Amateur Service and Amateur Satellite Service, with other goals non-sportive like the DX and contests on short-wave bands.

4. Because in European Union and other freedom countries there are radio amateurs who are members of other organizations, in general, the present IARU «national societies» represents only a minority between 10 to 35% of all this national amateur radio cultural movements actives in each country.

5. IARU in Region 1 is to be missing representation and financial resources since 1980.

6. IARU in the future to promote and defend all the interests of radio amateurs throughout the world at international telecommunications conferences it is necessary for the IARU to speak on behalf of all worldwide radio amateurs, needs change the Constitution, to include non the old concept of «national society» but the new national federations or confederations, democratic representatives of large associative national movements of amateur radios.

7. Because is very important to the future of education and development, of culture of science and technological trough the Amateur Radio and Amateur Satellite Service have in all the World a common voice speaking on behalf of radio amateurs to each administration.

Conclusions:

Since the old IARU resolution number 93 from 1993 (at 15 years ago) in European Union and all over the world, the «national societies» of IARU not draw the attention of the regional and local organizations to the fact that for member Societies to meet their constitutional obligations (and rights) they should pass to such other national organizations and entities all the adequate information and duty of participation as to the actions of the IARU, and encourage such of this national and local organizations to respond to them in respect of worldwide Amateur Radio and IARU matters, for this motive of exclusion, imposed by the «national societies» all the regional and local associations to come short from the IARU, not contribute in equal duty and obligations to the development of the Amateur Radio and Amateur Satellite Service.

IARU needs are integrated inside the others national, regional and local organizations to take such action in respect thereof as is appropriate and an important step for the freedom and democracy.

A point of view, by AMRAD (AMSAT-CT)

www.amrad.pt

1795. cu3eq

Yahoo group: eu-amsat
Date: 2008-08-26 00:40:07 UTC
From: cu3eq
Topic: 1795 Message: 1795

hi all,
i´m jose vitor in azores isl. i´m qrv on fo-29, vo-52, ao-7, ao-51
and ao-27. my conditions kenwood ts-2000 antennas vhf 10elem. dk7zb
horizontal and on uhf 14 elem.yu7ef horizontal no elevation here
sory :-((maybe in feature. ihope to work you on satellite 73 to all
j.vitor cu3eq.

1796. Re: [eu-amsat] cu3eq

Yahoo group: eu-amsat
Date: 2008-08-26 03:18:27 UTC
From: SV1BSX
Topic: 1795 Message: 1796

Hi dr Jose,

Welcome again, and I'm sure a lot of Europeans looking for you !
I think it is not problem your stable antennas (no elevation) from your side... when the satellites are over Europe the elevation is "low" for you ! And I can say that, I always hear you with excellent signal, so don't worry about.

73, Mak SV1BSX

----- Original Message -----
From: "cu3eq" <no_reply@yahoogroups.com>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, August 26, 2008 3:40 AM
Subject: [eu-amsat] cu3eq

hi all,
i?m jose vitor in azores isl. i?m qrv on fo-29, vo-52, ao-7, ao-51 and ao-27. my conditions kenwood ts-2000 antennas vhf 10elem. dk7zb horizontal and on uhf 14 elem.yu7ef horizontal no elevation here sory :-((maybe in feature. ihope to work you on satellite 73 to all j.vitor cu3eq.

Yahoo! Groups Links

1797. RE: [eu-amsat] cu3eq

Yahoo group: eu-amsat
Date: 2008-08-26 05:23:46 UTC
From: Dimitrios Pallis
Topic: 1795 Message: 1797

Hello dr Jose
welcome to the group!!
http://clk.atdmt.com/MRT/go/108588800/direct/01/

1798. Re: [eu-amsat] cu3eq

Yahoo group: eu-amsat
Date: 2008-08-26 14:47:41 UTC
From: Kostas Ioannidis
Topic: 1795 Message: 1798

Welcome!

73 de sw1ixp

1799. Re:cu3eq

Yahoo group: eu-amsat
Date: 2008-08-26 15:47:54 UTC
From: Keith O'Brien
Topic: 1795 Message: 1799

Hi Jose,

Nice to hear you on FO-29 today, 26 August, with such a big signal. Louder then your 6 meter signal when we worked back on 22 May. ;-)

I am sure you will be a welcome addition to the Sat's as it appears the Magic Band E openings across the pond are done for this season. :-(

GL Keith N4ZQ
FN33aq in upstate New York

1800. Re:cu3eq

Yahoo group: eu-amsat
Date: 2008-08-27 00:08:49 UTC
From: cu3eq
Topic: 1795 Message: 1800

hi keith,
nice to hear you on satellite and another satations from u.s.a. and canada finally good qsos on sat. and also i work yv venezuela satations on ao-51. i hope to make a lot of qsos on satellite, 73
keith i hope to fear you soon on sat.
j.vitor cu3eq.

--- In eu-amsat@yahoogroups.com, Keith O'Brien <n4zq@...> wrote:
>
> Hi Jose,
>
> Nice to hear you on FO-29 today, 26 August, with such a big signal. Louder then your 6 meter signal when we worked back on 22 May. ;-)
>
> I am sure you will be a welcome addition to the Sat's as it appears the Magic Band E openings across the pond are done for this season. :-(
>
> GL Keith N4ZQ
> FN33aq in upstate New York
>

1801. DO-64 OFF?

Yahoo group: eu-amsat
Date: 2008-08-27 08:38:13 UTC
From: SV1BSX
Topic: 1801 Message: 1801

Hi all,

Today morning 27/8/2008 @08.00Z,
I tried DO-64 (orbit #1793) but nothing heard through the transponder.
(I am not talking about the Beacon, I did not try to listen it.)

Is it the transponder OFF?

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1802. Re:DO-64 OFF?

Yahoo group: eu-amsat
Date: 2008-08-27 23:54:43 UTC
From: Keith O'Brien
Topic: 1801 Message: 1802

Mak, DO-64 was OK on the Wednesday 14:30 UTC 27 August east coast North America pass. It seemed a bit weaker this time around, but the transponder was active.

GL Keith N4ZQ

1803. AO51 problems?

Yahoo group: eu-amsat
Date: 2008-08-29 08:30:36 UTC
From: Bratu Florian Gabriel
Topic: 1803 Message: 1803

A lot of noise during last passes on AO51 and then stop....
Any information? The AMSAT site i think is frozen 73

1804. Re: [eu-amsat] AO51 problems?

Yahoo group: eu-amsat
Date: 2008-08-29 08:59:02 UTC
From: SV1BSX
Topic: 1803 Message: 1804

....as I read the AO-51's software crashed yesterday, so the satellite is OFF.
The command stations have begun to reload the software.

73, Mak SV1BSX

----- Original Message -----
From: "Bratu Florian Gabriel" <yo9gjx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, August 29, 2008 11:30 AM
Subject: [eu-amsat] AO51 problems?

>A lot of noise during last passes on AO51 and then stop....
> Any information? The AMSAT site i think is frozen 73
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1805. Re: [amsat-bb] Re: FO-29 users where are you?

Yahoo group: eu-amsat
Date: 2008-08-30 16:18:57 UTC
From: Luc Leblanc
Topic: 1805 Message: 1805

On 30 Aug 2008 at 15:34, i8cvs wrote:

>
> By the way when FO-29 comes up at AOS it is very common to listen for
> many stations trying to get back for their own signals back and fort all
> over the pass-band without success because their receiving sensitivity is
> low.
>
> Since the FO-29 sensitivity is very high only a very low EIRP is necessary
> to be translated with sufficient power for a decent QSO in SSB or CW
> provided that the ground station sensitivity is adeguate as well.
>
Same thing over here especially for some CW station who crank up their power until they hear their own downlink and they start to call CQ
using the same power level.

THE CASCADING EFFECT

Those using just enough power have to increased their power too until the pass band became unusable. Even with the lowest power setting on
some rig the EIRP is still too high. A way compensate they should stay off pointing in elevation this will help reducing their signal at
the satellite.

It is not an easy concept but the using "just enough power" as stated in many radio act and regulations take his full sense on satellite
operation. It his hard to condemn when the operator is at his first qso's but when "veteran" are involved it is a bit hard to understand
their motive? (Just remember the chirpy CW signal on HF in the past some station get tag as the always chirpy one!)

Just to pointed that on AO-7 on August 28 i was able to have a QSO with F2IL Jean-Marie the satellite is in the best shape since a long
time no more heavy distorted audio. I was trying the double sat FO-29/AO-7 idea but with not too much success. It is hard here as per my
simulation to have both satellite in range but european pass offer many pass where both sat are in range over the same area.

Who will be the first! we have the labour day week end here to try this concept.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1806. AO-7 DX-List *Update*

Yahoo group: eu-amsat
Date: 2008-09-01 23:35:39 UTC
From: SV1BSX
Topic: 1806 Message: 1806

Hi all,

Congrat's to Joe, K3SZH & Fabio PY4AJ on reaching of TOP in "AO-7 DX List"
with a NEW record for Longest Distance *confirmed* QSO ! 7438 Km !

Visit:

http://sv1bsx.50webs.com/oscardx/ao7-dx.html

Stay tuned till the next month-updating.
I have already received New QSL cards !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1807. Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-04 17:51:29 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1807

I've been asked to add a Radar plot to some software, an example of Nova's plot is here:
http://www.nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display - how does it help a satellite user?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1808. Re: [eu-amsat] Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-04 20:21:10 UTC
From: SV1BSX
Topic: 1807 Message: 1808

Hi Simon,

personally, I don't like it. I never use the Radar plot and I can't see what is the profit to use it that
as a radio amateur operator. May be it's useful in order to view a satellite on sky, when is "visible".

I am always using the 3D Earth view, which is a very realisitc picture of our planet, that NOVA
& HRD including. Especially for LEOs is excellent as is focused over a specific area, and not all over
the world like the rectagular map.

However, if you want my personal comment, I am using NOVA for several years, and really-really hard
I will change it with some other software. For example, a reason to keep NOVA and not to change it with
HRD it's the great ability of NOVA where you can "see and track" several satellites
on the same screen. You don't need to change nothing by using the Mouse or keyboard.
Just you are looking on the screen, and you can monitor in real-time 1, 2, 3.... 10 (or more) Satellites !
That's great because you have a really complete sense of view, you know easily what happens over your QTH
and how many Satellites are "in range" or close enough.
So, it would be much appreciated if a future version of HRD includes this ability (and not the Radar !) ,

"Just my 2 cents worth".

73 de Mak, SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Thursday, September 04, 2008 8:51 PM
Subject: [eu-amsat] Radar Plots

I've been asked to add a Radar plot to some software, an example of Nova's plot is here:
http://www.nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display - how does it help a satellite user?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1809. Re: [eu-amsat] Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-04 20:29:52 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1809

Hi,

Thanks for the feedback, all understood. The current internal beta of HRD can plot any number of satellites simultaneously.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

personally, I don't like it. I never use the Radar plot and I can't see what is the profit to use it that
as a radio amateur operator. May be it's useful in order to view a satellite on sky, when is "visible".

1810. FT-100D and Hamsats

Yahoo group: eu-amsat
Date: 2008-09-05 02:40:52 UTC
From: Luciano Nachif
Topic: 1810 Message: 1810

Hi guys!

Has anyone used an Yaesu FT-100D along with a Doppler frequency tracking satellite software?Something like PCSat32, Nova, HRD and so forth...

I bought an Yaesu CT-62 cable modem and would like to have a software compensating for Doppler effect on both the uplink and downlink frequencies on mine FT-100D.

Your comments are very much appreciated.

Thanks,

Luciano PT9KK
GG29qm
Brazil

1811. RE: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 09:33:41 UTC
From: John Hackett
Topic: 1807 Message: 1811

Hi Mak,
I fully endorse your comments re: NOVA. In my opinion it's the best tracking program I've ever used ... and I've used all the available ones, military and commercial, in the last 40 years.

Still ... in the end, it all comes down to personal preference of course.

Despite the old adage ... what's good for the goose isn't 'always' good for the gander.

One "oddity" is that the Americans seem to prefer a well known German tracking program - while the Europeans generally go for NOVA, an American program ... magnet parameter ?? ... opposites attract ??.

BTW ... NOVA's radar plot *IS* correct ... as are the eclipse prediction and sky noise features ... the latter very useful when HEO operating.

If one should wish a "flat" map ... that is available too ... but like your say, the best feature IMHO is the "local" equidistrial map for HEO's.

I even managed to cajole GM1SXX into admitting that it was ... "OK" ... (!!!).

73 La2qaa. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 4 Sep 2008 23:21:10 +0300
Subject: Re: [eu-amsat] Radar Plots

Hi Simon,

personally, I don't like it. I never use the Radar plot
and I can't see what is the profit to use it that
as a radio amateur operator. May be
it's useful in order to view a satellite on sky, when is "visible".

I am always using the 3D Earth view, which is
a very realisitc picture of our planet, that NOVA
& HRD including. Especially for LEOs
is excellent as is focused over a specific area, and not all over

the world like the rectagular map.

However, if you want my personal comment, I am
using NOVA for several years, and really-really hard
I will change it with some other software. For example, a
reason to keep NOVA and not to change it with
HRD it's the great ability of NOVA where you can "see and
track" several satellites

on the same screen. You don't need to change nothing
by using the Mouse or keyboard.
Just you are looking on the screen, and you can monitor
in real-time 1, 2, 3.... 10 (or more) Satellites
!
That's great because you have a really complete sense of view,
you know easily what happens over your QTH
and how many Satellites are "in range" or
close enough.
So, it would be much appreciated if a future version of
HRD includes this ability (and not the Radar !)
,

"Just my 2 cents worth".

73 de Mak, SV1BSX

----- Original Message -----
From:
Simon Brown
(KNS)
To: EU-AMSAT
Sent: Thursday, September 04, 2008 8:51
PM
Subject: [eu-amsat] Radar Plots

I've been asked to add a Radar plot to some
software, an example of Nova's plot is here:
http://www..nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display -
how does it help a satellite user?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1812. Re: [eu-amsat] RE: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 09:35:59 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1812

What do you use the Radar plot for? I don't see how it helps.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: John Hackett

BTW ... NOVA's radar plot *IS* correct ...

1813. RE: [eu-amsat] RE: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 09:36:21 UTC
From: Dimitrios Pallis
Topic: 1807 Message: 1813

hello JOHN welcome back!!!!Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: archie.hackett@...: Fri, 5 Sep 2008 11:33:41 +0200Subject: [eu-amsat] RE: Radar Plots

Hi Mak, I fully endorse your comments re: NOVA. In my opinion it's the best tracking program I've ever used ... and I've used all the available ones, military and commercial, in the last 40 years.Still ... in the end, it all comes down to personal preference of course. Despite the old adage ... what's good for the goose isn't 'always' good for the gander.One "oddity" is that the Americans seem to prefer a well known German tracking program - while the Europeans generally go for NOVA, an American program ... magnet parameter ?? ... opposites attract ??.BTW ... NOVA's radar plot *IS* correct ... as are the eclipse prediction and sky noise features ... the latter very useful when HEO operating.If one should wish a "flat" map ... that is available too ... but like your say, the best feature IMHO is the "local" equidistrial map for HEO's. I even managed to cajole GM1SXX into admitting that it was ... "OK" ... (!!!).73 La2qaa. <la2qaa@...>

To: eu-amsat@yahoogroups.comFrom: sv1bsx@...: Thu, 4 Sep 2008 23:21:10 +0300Subject: Re: [eu-amsat] Radar Plots

Hi Simon,

personally, I don't like it. I never use the Radar plot and I can't see what is the profit to use it that
as a radio amateur operator. May be it's useful in order to view a satellite on sky, when is "visible".

I am always using the 3D Earth view, which is a very realisitc picture of our planet, that NOVA
& HRD including. Especially for LEOs is excellent as is focused over a specific area, and not all over
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I will change it with some other software. For example, a reason to keep NOVA and not to change it with
HRD it's the great ability of NOVA where you can "see and track" several satellites
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That's great because you have a really complete sense of view, you know easily what happens over your QTH
and how many Satellites are "in range" or close enough.
So, it would be much appreciated if a future version of HRD includes this ability (and not the Radar !) ,

"Just my 2 cents worth".

73 de Mak, SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Thursday, September 04, 2008 8:51 PM
Subject: [eu-amsat] Radar Plots

I've been asked to add a Radar plot to some software, an example of Nova's plot is here:
http://www..nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display - how does it help a satellite user?

Simon Brown, HB9DRVwww.ham-radio-deluxe.com

_____
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http://windowslive.com/connect/post/jamiethomson.spaces.live.com-Blog-cns!550F681DAD532637
!5295.entry?ocid=TXT_TAGLM_WL_domore_092008

1814. RE: [eu-amsat] RE: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 09:36:24 UTC
From: Dimitrios Pallis
Topic: 1807 Message: 1814

hello JOHN welcome back!!!!Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: archie.hackett@...: Fri, 5 Sep 2008 11:33:41 +0200Subject: [eu-amsat] RE: Radar Plots

Hi Mak, I fully endorse your comments re: NOVA. In my opinion it's the best tracking program I've ever used ... and I've used all the available ones, military and commercial, in the last 40 years.Still ... in the end, it all comes down to personal preference of course. Despite the old adage ... what's good for the goose isn't 'always' good for the gander.One "oddity" is that the Americans seem to prefer a well known German tracking program - while the Europeans generally go for NOVA, an American program ... magnet parameter ?? ... opposites attract ??.BTW ... NOVA's radar plot *IS* correct ... as are the eclipse prediction and sky noise features ... the latter very useful when HEO operating.If one should wish a "flat" map ... that is available too ... but like your say, the best feature IMHO is the "local" equidistrial map for HEO's. I even managed to cajole GM1SXX into admitting that it was ... "OK" ... (!!!).73 La2qaa. <la2qaa@...>

To: eu-amsat@yahoogroups.comFrom: sv1bsx@...: Thu, 4 Sep 2008 23:21:10 +0300Subject: Re: [eu-amsat] Radar Plots

Hi Simon,

personally, I don't like it. I never use the Radar plot and I can't see what is the profit to use it that
as a radio amateur operator. May be it's useful in order to view a satellite on sky, when is "visible".

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Just you are looking on the screen, and you can monitor in real-time 1, 2, 3.... 10 (or more) Satellites !
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and how many Satellites are "in range" or close enough.
So, it would be much appreciated if a future version of HRD includes this ability (and not the Radar !) ,

"Just my 2 cents worth".

73 de Mak, SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Thursday, September 04, 2008 8:51 PM
Subject: [eu-amsat] Radar Plots

I've been asked to add a Radar plot to some software, an example of Nova's plot is here:
http://www..nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display - how does it help a satellite user?

Simon Brown, HB9DRVwww.ham-radio-deluxe.com

_____
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http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

1815. Re: [eu-amsat] FT-100D and Hamsats

Yahoo group: eu-amsat
Date: 2008-09-05 09:53:03 UTC
From: Thomas Frey
Topic: 1810 Message: 1815

Luciano Nachif schrieb:
> Hi guys!
>
> Has anyone used an Yaesu FT-100D along with a Doppler frequency
> tracking satellite software?Something like PCSat32, Nova, HRD and so
> forth...
>
> I bought an Yaesu CT-62 cable modem and would like to have a
> software compensating for Doppler effect on both the uplink and
> downlink frequencies on mine FT-100D.
>
> Your comments are very much appreciated.
>
> Thanks,
>
> Luciano PT9KK
> GG29qm
> Brazil
>
>
>
Hello Luciano

I own no FT-100 but try this link:
http://www.k0lee.com/ft100faq.html#satellite

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1816. Reply re: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 10:00:47 UTC
From: John Hackett
Topic: 1807 Message: 1816

Hi Simon,
Used properly, it 'shows' the direction of the satellite oin it's rbit with reference to your QTH ... ie, the curved line ... where it rises and where it sets ... very useful for the operators using hand held "Arrow" aerials to envisage where to 'point'.

The 'circles' also denote the elevation.

If people use it correctly, it's an elegant facility.

Hope that helps.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Fri, 5 Sep 2008 11:35:59 +0200
Subject: Re: [eu-amsat] RE: Radar Plots

What do you use the Radar plot for? I don't see how it
helps.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From:
John Hackett
BTW ...
NOVA's radar plot *IS* correct ...

1817. RE: [eu-amsat] RE: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 10:03:13 UTC
From: John Hackett
Topic: 1807 Message: 1817

Thanks !!! Jim,
I'm still here ... just keeping my gob shut ...
(mouth closed) ... in the background.

I might even start 'operating' again one of these days.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mc90606@...
Date: Fri, 5 Sep 2008 09:36:21 +0000
Subject: RE: [eu-amsat] RE: Radar Plots

hello JOHN welcome back!!!!

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

To: eu-amsat@yahoogroups.com
From: archie.hackett@hotmail.com
Date: Fri, 5 Sep 2008 11:33:41 +0200
Subject: [eu-amsat] RE: Radar Plots

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I even managed to cajole GM1SXX into admitting that it was ... "OK" ... (!!!).

73 La2qaa. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...

Date: Thu, 4 Sep 2008 23:21:10 +0300
Subject: Re: [eu-amsat] Radar Plots

Hi Simon,

personally, I don't like it. I never use the Radar plot and I can't see what is the profit to use it that
as a radio amateur operator. May be it's useful in order to view a satellite on sky, when is "visible".

I am always using the 3D Earth view, which is a very realisitc picture of our planet, that NOVA
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on the same screen. You don't need to change nothing by using the Mouse or keyboard.
Just you are looking on the screen, and you can monitor in real-time 1, 2, 3.... 10 (or more) Satellites !
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So, it would be much appreciated if a future version of HRD includes this ability (and not the Radar !) ,

"Just my 2 cents worth".

73 de Mak, SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Thursday, September 04, 2008 8:51 PM
Subject: [eu-amsat] Radar Plots

I've been asked to add a Radar plot to some software, an example of Nova's plot is here:
http://www..nlsa.com/images/gallery/large/gallery7.gif

Question: what is so special about this display - how does it help a satellite user?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

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1818. Re: [eu-amsat] Reply re: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-05 10:27:47 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1818

That explains it - many thanks :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: John Hackett

Used properly, it 'shows' the direction of the satellite oin it's rbit with reference to your QTH ... ie, the curved line ... where it rises and where it sets ... very useful for the operators using hand held "Arrow" aerials to envisage where to 'point'.

The 'circles' also denote the elevation.

1819. HRD Beta / ISS Support

Yahoo group: eu-amsat
Date: 2008-09-06 09:27:16 UTC
From: Simon Brown (KNS)
Topic: 1819 Message: 1819

The 'head in the clouds alpine programming team' is surprised to announce a HRD beta with lots of new satellite tracking stuff.

http://www.ham-radio-deluxe.com/Downloads/BetaKits/tabid/99/Default.aspx

I also plan to support Robot 36 for the ISS's slow scan October-fest.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1820. Re: [eu-amsat] Reply re: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-07 09:21:19 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1820

Thanks for the help in understanding Radar Plots. Now that I have added this I must say it's very handy. My first attempt is below:

http://mannindustries.net/hrd/temp/pics/Sat-Track-Radar-001.jpg

Tracking the sun due to lack of visible LEO's and HEO's (!) when I took the screenshot.

Now for a few fancy things...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Simon Brown (KNS)

That explains it - many thanks :-)

1821. Re: [eu-amsat] Reply re: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-07 15:17:54 UTC
From: Luc Leblanc
Topic: 1807 Message: 1821

On 7 Sep 2008 at 11:21, Simon Brown (KNS) wrote:

> Thanks for the help in understanding Radar Plots. Now that I have added this I must say it's very handy. My first attempt is below:
>
> http://mannindustries.net/hrd/temp/pics/Sat-Track-Radar-001.jpg
>
> Tracking the sun due to lack of visible LEO's and HEO's (!) when I took the screenshot.
>
> Now for a few fancy things...
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
> ----- Original Message -----
> From: Simon Brown (KNS)
>
>
> That explains it - many thanks :-)

Hi Simon

Its is quite unique to have a ham software tailor made live with nearly each individual operators suggestion. I try few months ago the CAT
doppler correction for my Yaesu FT-847. Even if the software support this type of transceiver my model one of the first available suffer a
small problem as you already aware. The CAT system works only one way EG: software can send command but he cannot read anything from the
transceiver.

The last time i try the interface the software cannot open as he was unable to find the Yaesu. The only one program i was able to control
"my" 847 was the FT-847 super control made by DH1NGP. I don.t know if it is something hard to correct but it will be nice for those who
used the early serial number version of the FT-847.

Thank's for all the work perform Simon

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1822. Re: [eu-amsat] Reply re: Radar Plots

Yahoo group: eu-amsat
Date: 2008-09-07 15:35:25 UTC
From: Simon Brown (KNS)
Topic: 1807 Message: 1822

Hi Luc,

Try the latest beta
http://www.ham-radio-deluxe.com/Downloads/BetaKits/tabid/99/Default.aspx

I have a FT-847 here, I'll make sure it works OK.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Luc Leblanc" <lucleblanc6@...>

> The last time i try the interface the software cannot open as he was
> unable to find the Yaesu. The only one program i was able to control
> "my" 847 was the FT-847 super control made by DH1NGP. I don.t know if it
> is something hard to correct but it will be nice for those who
> used the early serial number version of the FT-847.

1823. st2nh qrv on all satellite from khartoum

Yahoo group: eu-amsat
Date: 2008-09-07 20:23:37 UTC
From: st2nh
Topic: 1823 Message: 1823

hello all friends
i wll be qrv on all satellites all mode, from today 7 september 2008
hope to meet my all friends again
any skid welcome via my email - pse 24 hours before pass
qsl via ea7ftr
locator kk65gp
rig icom 910 with l module
ante for all band v/u/l/s plus pre amp ,and downconverter for s band
rototor =5500 with pc controler
tnc =tnc 3s
traking pro = nova
uiss
dx4win
hope to catch some stations on next pass of vu 52 and fo-29 to nigth
73 de nader st2nh

1824. Re: st2nh qrv on all satellite from khartoum

Yahoo group: eu-amsat
Date: 2008-09-07 22:02:01 UTC
From: st2nh
Topic: 1823 Message: 1824

where everybody ? a good pass for fo-29 and only heard my downlink
fo-29 is ok ,i love this bird .

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> hello all friends
> i wll be qrv on all satellites all mode, from today 7 september
2008
> hope to meet my all friends again
> any skid welcome via my email - pse 24 hours before pass
> qsl via ea7ftr
> locator kk65gp
> rig icom 910 with l module
> ante for all band v/u/l/s plus pre amp ,and downconverter for s band
> rototor =5500 with pc controler
> tnc =tnc 3s
> traking pro = nova
> uiss
> dx4win
> hope to catch some stations on next pass of vu 52 and fo-29 to
nigth
> 73 de nader st2nh
>

1825. Re: [eu-amsat] Re: st2nh qrv on all satellite from khartoum

Yahoo group: eu-amsat
Date: 2008-09-07 22:44:49 UTC
From: SV1BSX
Topic: 1823 Message: 1825

Hi Nader !

I was QRV on CW, I heard also a few stations from Italy and SW1JGW & SW1EIX
were
also QRV on SSB.
However, FO-29 has a plenty of bandwidth (100KHz). We are usually +/-
435.860 (and
not 435.850, at Middle PB).

The next pass is very late for my QTH and also for Europe. I hope to hear
you tomorrow.

Vy 73

Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, September 08, 2008 1:02 AM
Subject: [eu-amsat] Re: st2nh qrv on all satellite from khartoum

> where everybody ? a good pass for fo-29 and only heard my downlink
> fo-29 is ok ,i love this bird .
>
>
>
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>>
>> hello all friends
>> i wll be qrv on all satellites all mode, from today 7 september
> 2008
>> hope to meet my all friends again
>> any skid welcome via my email - pse 24 hours before pass
>> qsl via ea7ftr
>> locator kk65gp
>> rig icom 910 with l module
>> ante for all band v/u/l/s plus pre amp ,and downconverter for s band
>> rototor =5500 with pc controler
>> tnc =tnc 3s
>> traking pro = nova
>> uiss
>> dx4win
>> hope to catch some stations on next pass of vu 52 and fo-29 to
> nigth

>> 73 de nader st2nh
>>
>
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1826. Re: st2nh qrv on all satellite from khartoum

Yahoo group: eu-amsat
Date: 2008-09-08 00:20:32 UTC
From: st2nh
Topic: 1823 Message: 1826

Thank Mak for info
Yes I was a little rusty and just testing my setup here, this why I stick to one frequency and I did not scan the whole bandwidth to see what was going on!! I was so happy to heard my downlink with 5 watts all the pass ;-) i was on 435.855 +/-.not like what i posted on the cluster. I will try to scan next time to catch more stations

Also I hope to catch some station from South Africa via fo-29
may someone on this list relay this message to any ham there
for skid .

so see you soon my friend Mak
73 de st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi Nader !
>
> I was QRV on CW, I heard also a few stations from Italy and SW1JGW
& SW1EIX
> were
> also QRV on SSB.
> However, FO-29 has a plenty of bandwidth (100KHz). We are usually
+/-
> 435.860 (and
> not 435.850, at Middle PB).
>
> The next pass is very late for my QTH and also for Europe. I hope
to hear
> you tomorrow.
>
> Vy 73
>
> Mak SV1BSX
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Monday, September 08, 2008 1:02 AM
> Subject: [eu-amsat] Re: st2nh qrv on all satellite from khartoum
>
>
> > where everybody ? a good pass for fo-29 and only heard my downlink
> > fo-29 is ok ,i love this bird .
> >
> >

> >
> >
> > --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >>
> >> hello all friends
> >> i wll be qrv on all satellites all mode, from today 7 september
> > 2008
> >> hope to meet my all friends again
> >> any skid welcome via my email - pse 24 hours before pass
> >> qsl via ea7ftr
> >> locator kk65gp
> >> rig icom 910 with l module
> >> ante for all band v/u/l/s plus pre amp ,and downconverter for s
band
> >> rototor =5500 with pc controler
> >> tnc =tnc 3s
> >> traking pro = nova
> >> uiss
> >> dx4win
> >> hope to catch some stations on next pass of vu 52 and fo-29 to
> > nigth
> >> 73 de nader st2nh
> >>
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> >
>

1827. Re: [sarex] ARISS Clarification--Please Read

Yahoo group: eu-amsat
Date: 2008-09-08 00:24:38 UTC
From: Luc Leblanc
Topic: 1827 Message: 1827

On 6 Sep 2008 at 22:05, Frank H. Bauer wrote:

> All,
>
> In the past 24 hours, two e-mail "Press Releases" were sent out by Miles
> Mann, WF1F, about ARISS related activities. Please ignore these e-mails as
> they are not totally accurate and Miles was given direction to not release
> this information.

Too bad that was the most refreshing news in the amateur satellite community in years!

Just hope to know when something will be totally accurate as the author also does?

"-"
http://www.peteyandpetunia.com/VoteHere/VoteHere.htm

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1828. 2.4 GHz RX

Yahoo group: eu-amsat
Date: 2008-09-08 12:40:46 UTC
From: Simon Brown (KNS)
Topic: 1828 Message: 1828

What are you using for 2.4GHz RX for AO-51?

Anything out there with 28Mhz output maybe?

I have a spare IC-703 which only sees the light of day during the summer when out portable.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1829. Re: [eu-amsat] 2.4 GHz RX

Yahoo group: eu-amsat
Date: 2008-09-08 14:21:23 UTC
From: SV1BSX
Topic: 1828 Message: 1829

Hi Simon,
the most units for S-Band reception among radio amateurs are the well known MMDS (Multichannel multipoint distribution service) - Down Converters (D/C), where convert the 2.4 GHz down to VHF. These units are made mostly as a wireless telecomunications technology, used for general-purpose broadband networking or, more commonly, as an alternative method of Cable TV programming reception, so the output is somewhere inside of Cable TV VHF Television Band.
Thus, if you have an unmodified MMDS D/C, the "DownConverting" of 2401 MHz is usually somewhere around to 122 - 126 MHz. Several radio amateurs have replaced the Local Oscillator XTAL into DownConverters with a new one, in order to have the output into 144-146 MHz (2 m Band). In addition, these units need re-alignment of "Front-end" in order to peaking the sensitivity into S-band (+/- 2401 MHz for Amateur Satellites).

There are also a few commercial "plug & play" DownConvertes in market place, which are made especially for AO-40 reception with default output into 144-146. Some other models on VHF & UHF as well. But they are very expensive -vs- to MMDS DownConvertes.
However either MMDS or Commercial units NEVER offer an output directly to 28 MHz.

Personally, during the good-old-days of AO-40, I had made a second homebrew DownConverter (145 -> 29 MHz) in order to convert the output of my MMDS D/C down to 28 MHz Band.

http://sv1bsx.50webs.com/2m_converter/2m_conv.html

Thus, I was using my TS-850 for AO-40 reception, just because similar HF have much more capabilities and they are superior receivers for the majority of VHF-UHF All-mode. But in any case, you need a hard work and enough experimentation in order to make workable a similar system, with "double down converters" from 2.401 GHz to 29 MHz.

Hope this hepls

73, Mak SV1BSX
----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Monday, September 08, 2008 3:40 PM
Subject: [eu-amsat] 2.4 GHz RX

What are you using for 2.4GHz RX for AO-51?

Anything out there with 28Mhz output maybe?

I have a spare IC-703 which only sees the light of day during the summer when out portable.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1830. AO-51 L/S MODE

Yahoo group: eu-amsat
Date: 2008-09-08 15:25:34 UTC
From: Luc Leblanc
Topic: 1830 Message: 1830

Using the same S band converter that i was using with AO-40 i succeed to have some QSO on AO-51 VE2NPC and another station but i am not
100% sure of his callsign.

First i think Squidly Diddly will be the type of operator best equipped to handle my station in L/S mode on a LEO sat. I am using my PCR-
1000 to have a graphical display of my up converter output on the scope display. Since my first attempt on L/S mode i found very hard to be
on the right uplink frequency. This morning pass i heard Clare VE3NPC transmitting a couple of time to find the right uplink frequency on
my side even adjusting as per the Orbitron doppler corrected uplink i was always out of the satellite L band receiver until i start to
adjust my TX frequency lower and higher than the program displayed frequency. I ended up with a 15KC higher than the "supposed" doppler
corrected frequency on Orbitron?

Could be my upconverter is not properly aligned or the scope display on the PCR-1000 software is not too exact at 1.268GHZ?

At the end i will have to set the satellite RX frequency 15KC up to be able to get in the RX pass band.

Next step is to have my uplink frequency controlled by my PC as i need 2 additional arm here in the shack!

Bottom line L/S is feasable and with some tweeking it can probably matched the V/S mode +- the obstacles and foliage blocking in the path.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1831. Re: [eu-amsat] AO-51 L/S MODE

Yahoo group: eu-amsat
Date: 2008-09-08 16:45:56 UTC
From: Thomas Frey
Topic: 1830 Message: 1831

Luc Leblanc schrieb:
> Using the same S band converter that i was using with AO-40 i succeed to have some QSO on AO-51 VE2NPC and another station but i am not
> 100% sure of his callsign.
>
> First i think Squidly Diddly will be the type of operator best equipped to handle my station in L/S mode on a LEO sat. I am using my PCR-
> 1000 to have a graphical display of my up converter output on the scope display. Since my first attempt on L/S mode i found very hard to be
> on the right uplink frequency. This morning pass i heard Clare VE3NPC transmitting a couple of time to find the right uplink frequency on
> my side even adjusting as per the Orbitron doppler corrected uplink i was always out of the satellite L band receiver until i start to
> adjust my TX frequency lower and higher than the program displayed frequency. I ended up with a 15KC higher than the "supposed" doppler
> corrected frequency on Orbitron?
>
> Could be my upconverter is not properly aligned or the scope display on the PCR-1000 software is not too exact at 1.268GHZ?
>

I had no difficulties to make QSO's with my IC-1271E and doppler correction
via "mic-click" on L/U over AO-51 on its 1268.700 uplink-QRG. With L/S I had
no luck to receive a signal. I have double-checked my S-rig and all
should be
technically OK. I presume I have also an unwanted offset in my downlink QRG.
The last satellite with S-downlink which I received successfully was UO-11.
It's very difficult to find a solution with a LEO-sat and its doppler. I'm
waiting also for P3E :-)

> At the end i will have to set the satellite RX frequency 15KC up to be able to get in the RX pass band.
>
> Next step is to have my uplink frequency controlled by my PC as i need 2 additional arm here in the shack!
>

This is a must on 1268 MHz !

> Bottom line L/S is feasable and with some tweeking it can probably matched the V/S mode +- the obstacles and foliage blocking in the path.
>
> "-"
>
>
> Luc Leblanc VE2DWE

> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1832. TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 09:29:34 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1832

I finally got a diplexer set up for 70cms and now no longer have the 70cms RX overloaded by the 2m TX. I had a QSO with myself on VO-52 and it's great to be able to hear my own signal (others may disagree). So a very big thank-you to those who pointed me in the right direction.

Now to get support for the AlfaSPID's over travel - it supports azimuth values from -180 degrees to +540 degrees.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1833. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 10:40:45 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1833

Hi,

For those who may be interested: http://www.ham-radio-deluxe.com/Programs/HRDSatelliteTracking/HB9DRVsSatelliteSetup/tabid/113/Default.aspx

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Simon Brown (KNS)

I finally got a diplexer set up for 70cms and now no longer have the 70cms RX overloaded by the 2m TX. I had a QSO with myself on VO-52 and it's great to be able to hear my own signal (others may disagree). So a very big thank-you to those who pointed me in the right direction.

Now to get support for the AlfaSPID's over travel - it supports azimuth values from -180 degrees to +540 degrees.

1834. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 11:57:02 UTC
From: Thomas Frey
Topic: 1832 Message: 1834

Simon Brown (KNS) schrieb:
> Hi,
>
> For those who may be interested:
> http://www.ham-radio-deluxe.com/Programs/HRDSatelliteTracking/HB9DRVsSatelliteSetup/tabid/113/Default.aspx
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com <http://www.ham-radio-deluxe.com>
>
> ----- Original Message -----
> *From:* Simon Brown (KNS) <mailto:simon.brown@...>
>
> I finally got a diplexer set up for 70cms and now no longer have
> the 70cms RX overloaded by the 2m TX. I had a QSO with myself on
> VO-52 and it's great to be able to hear my own signal (others may
> disagree). So a very big thank-you to those who pointed me in the
> right direction.
>
> Now to get support for the AlfaSPID's over travel - it supports
> azimuth values from -180 degrees to +540 degrees.
>
>
Hello Simon

Is your Diplexer between antenna and preamp or between preamp and TRX ?
I have mine between antenna and preamp like on this website
http://www.amsat.org/amsat-new/articles/Mode-J/ . But the 2m port is
terminated and grounded.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1835. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 12:03:30 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1835

Hi Thomas,

Between antenna and pre-amp. Did you terminate the 2m port with a 50 ohm load?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
>
> Is your Diplexer between antenna and preamp or between preamp and TRX ?
> I have mine between antenna and preamp like on this website
> http://www.amsat.org/amsat-new/articles/Mode-J/ . But the 2m port is
> terminated and grounded.
>

1836. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 13:31:59 UTC
From: Thomas Frey
Topic: 1832 Message: 1836

Simon Brown (KNS) schrieb:
> Hi Thomas,
>
> Between antenna and pre-amp. Did you terminate the 2m port with a 50 ohm
> load?
>

Yes. Its a little dummyload in a PL-259 connector. To terminate and ground
the port was a hint from an experienced HAM, HB9ADP.

> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>
> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
>
>> Is your Diplexer between antenna and preamp or between preamp and TRX ?
>> I have mine between antenna and preamp like on this website
>> http://www.amsat.org/amsat-new/articles/Mode-J/ . But the 2m port is
>> terminated and grounded.
>>
>>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1837. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 16:16:19 UTC
From: SV1BSX
Topic: 1832 Message: 1837

Hi Simon,

this setup by putting the Duplexer between Antenna & PreAmp it is not the best one.
I know this method from AMSAT pages, however several months ago took place
a discussion on Amsat-BB about that. And I completely agree with the
oblection by a lot of HAMs about this unusual setup.

The correct method in order to prevent the UHF-desense on Mode-J is by
using a LOW-Pass filter in the *Output of VHF TX* and NOT by using a Hi-Pass filter
in the *Input of UHF RX* !

The main disadvantage by using a Hi-Pass filter between UHF-antenna and
UHF receiver is that, the overall LOSS (Filter+Plugs+Coax-cables) increases
unexpectedly the NF (Noise Figure) of your receiving system. That is unwanted.

Especially in case where you have a Low Noise Antenna mast Pre-amp, the
LOSS of filter in dB is added to NF of the overall receiving system. Thus, if your Pre-amp
has a NF = 0.5 dB and your Duplexer is connected between PreAmp-input & antenna,
this way a Loss of about +1 dB (or more !) is added to your Pre-amp and thus it has been
lost the
good value of NF = 0.5 db !

Now it has the "bad" value of NF = 1.5 dB ! (0.5 + 1 = 1.5 db NF)

In other words, your system is dropped down from the expensive "GasFet-class" (NF< 1 dB)
to conventional-class (NF >1.5 dB) system.

Therefore, you have lost the main advantage of your *very expensive* Low-NF Pre-amp !!!

Conclusively, this method with Duplexer as Hi-Pass filter works but it is not the best one.
It's 100% compromise (and at my oppinion a very-very bad compromise in case you have a
Low Noise PreAmp.).
And yes, you need to terminate the VHF-port of Duplexer with a 50 Ohms Dummy.

73, Mak SV1BSX

----- Original Message -----
From: "Simon Brown (KNS)" <simon.brown@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, September 09, 2008 3:03 PM
Subject: Re: [eu-amsat] TS-2000 & Diplexer

> Hi Thomas,
>
> Between antenna and pre-amp. Did you terminate the 2m port with a 50 ohm
> load?
>
> Simon Brown, HB9DRV

> www.ham-radio-deluxe.com
>
> ----- Original Message -----
> From: "Thomas Frey" <th.frey@...>
>>
>> Is your Diplexer between antenna and preamp or between preamp and TRX ?
>> I have mine between antenna and preamp like on this website
>> http://www.amsat.org/amsat-new/articles/Mode-J/ . But the 2m port is
>> terminated and grounded.
>>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1838. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 16:46:28 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1838

Hi Mak,

I agree with the logic, but for me 1 dB is nothing. When we get a HEO then it'll be very different :-)

There's a great pass of VO-52 at 20:05 UTC and I'll be on SSB somewhere - maybe you'll keep an ear open for me.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

this setup by putting the Duplexer between Antenna & PreAmp it is not the best one.
I know this method from AMSAT pages, however several months ago took place
a discussion on Amsat-BB about that. And I completely agree with the
oblection by a lot of HAMs about this unusual setup.

1839. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 18:26:27 UTC
From: SV1BSX
Topic: 1832 Message: 1839

....OK Simon, I will try to be there! Another good opportunity is through FO-29 tonight. This period FO-29 is on apogee at similar descending pass, so it will be "in range" between 21:26 - 21:46 UTC (from my location).

20 mins is great time for several QSOs via FO-29 !

Nader from Sudan, he is also active on similar passes ! You have the chance to manage an excellent and very *rare* QSO via Satellite with ST-Land !

73, Mak SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: eu-amsat@yahoogroups.com
Sent: Tuesday, September 09, 2008 7:46 PM
Subject: Re: [eu-amsat] TS-2000 & Diplexer

Hi Mak,

I agree with the logic, but for me 1 dB is nothing. When we get a HEO then it'll be very different :-)

There's a great pass of VO-52 at 20:05 UTC and I'll be on SSB somewhere - maybe you'll keep an ear open for me.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

this setup by putting the Duplexer between Antenna & PreAmp it is not the best one.
I know this method from AMSAT pages, however several months ago took place
a discussion on Amsat-BB about that. And I completely agree with the
oblection by a lot of HAMs about this unusual setup.

1840. RE: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 18:29:29 UTC
From: Dimitrios Pallis
Topic: 1832 Message: 1840

I will be there MR Simon
OK?Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: sv1bsx@...: Tue, 9 Sep 2008 21:26:27 +0300Subject: Re: [eu-amsat] TS-2000 & Diplexer

...OK Simon, I will try to be there! Another good opportunity is through FO-29 tonight. This period FO-29 is on apogee at similar descending pass, so it will be "in range" between 21:26 - 21:46 UTC (from my location).

20 mins is great time for several QSOs via FO-29 !

Nader from Sudan, he is also active on similar passes ! You have the chance to manage an excellent and very *rare* QSO via Satellite with ST-Land !

73, Mak SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: eu-amsat@yahoogroups.com
Sent: Tuesday, September 09, 2008 7:46 PM
Subject: Re: [eu-amsat] TS-2000 & Diplexer

Hi Mak,

I agree with the logic, but for me 1 dB is nothing. When we get a HEO then it'll be very different :-)

There's a great pass of VO-52 at 20:05 UTC and I'll be on SSB somewhere - maybe you'll keep an ear open for me.

Simon Brown, HB9DRVwww.ham-radio-deluxe.com

----- Original Message -----
From: SV1BSX
this setup by putting the Duplexer between Antenna & PreAmp it is not the best one.I know this method from AMSAT pages, however several months ago took placea discussion on Amsat-BB about that. And I completely agree with the oblection by a lot of HAMs about this unusual setup.

_____
See how Windows connects the people, information, and fun that are part of your life.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093175mrt/direct/01/

1841. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 18:33:57 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1841

Hi,

OK - I'll be on SSB using full Doppler correction for frequency.

FO-29 - I may be sleeping :-)

Now back to the coding...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

...OK Simon, I will try to be there! Another good opportunity is through FO-29 tonight. This period FO-29 is on apogee at similar descending pass, so it will be "in range" between 21:26 - 21:46 UTC (from my location).

20 mins is great time for several QSOs via FO-29 !

Nader from Sudan, he is also active on similar passes ! You have the chance to manage an excellent and very *rare* QSO via Satellite with ST-Land !

1842. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 18:34:17 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1842

I hope so :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Dimitrios Pallis

I will be there MR Simon
OK?

1843. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 20:18:19 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1843

Hi,

First attempt at SSB on VO-52 - took me a while to get my brain in gear, worked three stations. Need to improve the software...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Simon Brown (KNS)

I hope so :-)
----- Original Message -----
From: Dimitrios Pallis

I will be there MR Simon
OK?

1844. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 20:32:32 UTC
From: hot.ee
Topic: 1832 Message: 1844

Hello Simon,
thanks for QSO via VO-52.
I was waiting for you... :-)
Great signal here. But I come back to 4.1 build 1945.
Much easy for me...
73! Gena, ES3RF

09/09/08 23:18:19, Simon Brown \(KNS\) <simon.brown@...>:

Hi,

First attempt at SSB on VO-52 - took me a while to get my brain in gear, worked three stations. Need to improve the software...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com (http://www.ham-radio-deluxe.com)

----- Original Message -----

From: Simon Brown (KNS)

I hope so :-)

----- Original Message -----

From: Dimitrios Pallis

I will be there MR Simon
OK?

1845. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 20:42:11 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1845

Hi Gena,

Yes - I need to improve the manual tuning - make it automatic I think. Anyway - it's still only a Technology Preview, real testing starts in October.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: hot.ee

Hello Simon,
thanks for QSO via VO-52.
I was waiting for you... :-)
Great signal here. But I come back to 4.1 build 1945.
Much easy for me...
73! Gena, ES3RF

1846. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 20:42:49 UTC
From: SV1BSX
Topic: 1832 Message: 1846

Hi Simon,

I heard you, nice signal on VO-52 ! And a lot of stations looking for a QSO with you !

Unfortunatelly I found you just before the QSO with Genadi, ES3RF, and at that time the Satellite
was very "Low" for me and close to my LOS. So it was very difficult to have access into the Satellite
with a lot of traffic.

OK, no problem, maybe some other time.

Have a nice evening.

73 de Mak, SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: eu-amsat@yahoogroups.com
Sent: Tuesday, September 09, 2008 11:18 PM
Subject: Re: [eu-amsat] TS-2000 & Diplexer

Hi,

First attempt at SSB on VO-52 - took me a while to get my brain in gear, worked three stations. Need to improve the software...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: Simon Brown (KNS)

I hope so :-)
----- Original Message -----
From: Dimitrios Pallis

I will be there MR Simon
OK?

1847. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 20:48:52 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1847

Hi,

Yes - I also got confused with tuning the radio / using software to tune the band. But I'll try to have a few SSB QSO's each day, as I do this I'll get the software more usable. I already have some better ideas...

Now back to the evening wurst.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

I heard you, nice signal on VO-52 ! And a lot of stations looking for a QSO with you !

1848. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 21:41:36 UTC
From: Thomas Frey
Topic: 1832 Message: 1848

Simon Brown (KNS) schrieb:
> Hi Mak,
> I agree with the logic, but for me 1 dB is nothing. When we get a HEO
> then it'll be very different :-)
>

Hello Simon and Mak

With this duplexer (or diplexer ?) configuration as described before
and 14turn helix, a SSB preamp before, I was QRV via AO-10 and AO-13.
I don't know, if an 2m low pass filter has the same effect. Any real
experience ?

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1849. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-09 21:54:53 UTC
From: Thomas Frey
Topic: 1832 Message: 1849

Simon Brown (KNS) schrieb:
> Hi,
> OK - I'll be on SSB using full Doppler correction for frequency.
Hi all

Is full doppler correction usual on FO-29 ? I was a few times QRV with only uplink doppler correction for a stable downlink QRG. I mean, this is usual for LEO sats and much easier to handle a QSO. Otherwise you swish over the passband and disturb other QSO's. Or you have always to correct both frequencies. Dimitrios has made a good video example of this.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1850. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-10 07:16:06 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1850

Hi,

By 'Full Doppler' I mean 'Correct Doppler' - so when in TX I adjust the TX
and when in RX I adjust the RX :-)

Sadly many users of VO-52 / FO-29 seem to not use any Doppler correction :-(

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
>
> Is full doppler correction usual on FO-29 ? I was a few times QRV
> with only uplink doppler correction for a stable downlink QRG. I
> mean, this is usual for LEO sats and much easier to handle a QSO.
> Otherwise you swish over the passband and disturb other QSO's. Or
> you have always to correct both frequencies. Dimitrios has made a
> good video example of this.
>

1851. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-10 07:47:18 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1851

I'll try to be on the FO-29 pass at 09:26 UTC today, depends on whether I can get my brain fired up :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

...OK Simon, I will try to be there! Another good opportunity is through FO-29 tonight. This period FO-29 is on apogee at similar descending pass, so it will be "in range" between 21:26 - 21:46 UTC (from my location).

1852. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-10 11:50:29 UTC
From: SV1BSX
Topic: 1832 Message: 1852

Hi Simon,

usually I am not active on FO-29 during the daylight passes, sorry.
I prefer the midnight passes (like the "vampires" - hi hi !)

And I agree with your previous Email, yes indeed - the most operators
are without Doppler-correction. Especially the"experts" working
without.

73, Mak SV1BSX

----- Original Message -----
From: Simon Brown (KNS)
To: eu-amsat@yahoogroups.com
Sent: Wednesday, September 10, 2008 10:47 AM
Subject: Re: [eu-amsat] TS-2000 & Diplexer

I'll try to be on the FO-29 pass at 09:26 UTC today, depends on whether I can get my brain fired up :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

...OK Simon, I will try to be there! Another good opportunity is through FO-29 tonight.
This period FO-29 is on apogee at similar descending pass, so it will be "in range"
between 21:26 - 21:46 UTC (from my location).

1853. Re: [eu-amsat] TS-2000 & Diplexer

Yahoo group: eu-amsat
Date: 2008-09-10 12:10:13 UTC
From: Simon Brown (KNS)
Topic: 1832 Message: 1853

Hi,

I was alone on FO-29, was able to copy my own signal very well but - no-one!

Next decent pass for me (when not sleeping in my dungeon) is tomorrow at 10:16 UTC.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: SV1BSX

And I agree with your previous Email, yes indeed - the most operators
are without Doppler-correction. Especially the"experts" working
without.

1854. CU3EQ

Yahoo group: eu-amsat
Date: 2008-09-11 13:06:16 UTC
From: cu3eq
Topic: 1854 Message: 1854

HI ALL,
PLEASE IF YOU WANT QSL FROM OUR QSO ON SATELLITE
YOU KEN SEND DIRECT NO CONTRIBUTION IS REQUEST HERE
NO IRC NO US$, ONLY QSL TNX TO ALL 73.
VITOR CU3EQ.

1855. ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-11 23:11:35 UTC
From: SV1BSX
Topic: 1855 Message: 1855

Hello all,

Nader, ST2NH reported me that he managed today evening 11/9/2008 two successful satellite QSOs with ZS6JON ! Firstly via AO-7 and after a few hour... via FO-29 !

Possibly it's the first contact via LEO-OSCARs between Sudan (ST) & South Africa (ZS) !

Well done !

Gongratulations to Nader, ST2NH and John, ZS6JON.

FB my friends !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1856. Re: ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-12 00:59:34 UTC
From: st2nh
Topic: 1855 Message: 1856

Hello Mak
Thank you very much my Elmer Mak for all the help, support and
Contacts you have done for me to make those sat qsos.

I m looking for more Africa and Asian station and welcome
at any time all Europeans friends.

yes it may be the first st -zs sat contact .!! i wll ask Sid(st2sa)
old timer ham here.

qsl 100% sure via ea7ftr
73
Nader - st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all,
>
> Nader, ST2NH reported me that he managed today evening 11/9/2008
two successful satellite
> QSOs with ZS6JON ! Firstly via AO-7 and after a few hour... via
FO-29 !
>
> Possibly it's the first contact via LEO-OSCARs between Sudan (ST)
& South Africa (ZS) !
>
> Well done !
>
> Gongratulations to Nader, ST2NH and John, ZS6JON.
>
> FB my friends !
>
> 73, Mak SV1BSX
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

1857. Re: [eu-amsat] ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-12 05:38:35 UTC
From: Gennadi Klevtsov
Topic: 1855 Message: 1857

Hello Mak,

I think, the ST2NH is the new and the 1-st on DXCC for nearly

everyone, especially via LEO satellites.

I have 2 QSOs with ST-land, and both only with Nader

(firs in 2006 and another one 2 day ago).

May more active stations on the sat-bands from ST, but I did not hear

the other one.

Let wish him good success in a future!

73! Gena - ES1RF/ES3RF

Friday, September 12, 2008, 2:11:35 AM, you wrote:

>

Hello all,

Nader, ST2NH reported me that he managed today evening 11/9/2008 two successful satellite

QSOs with ZS6JON ! Firstly via AO-7 and after a few hour... via FO-29 !

Possibly it's the first contact via LEO-OSCARs between Sudan (ST) & South Africa (ZS) !

Well done !

Gongratulations to Nader, ST2NH and John, ZS6JON.

FB my friends !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr

URL : http://sv1bsx.50webs.com

--

Best regards,

Gennadi mailto:genek@...

1858. ST2NH

Yahoo group: eu-amsat
Date: 2008-09-12 07:22:37 UTC
From: Bratu Florian Gabriel
Topic: 1858 Message: 1858

I was on his page at
http://www.sudanham.bizland.com/st2nh%20folder/st2nhome.htm

1859. Re: [eu-amsat] ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-12 12:22:44 UTC
From: SV1BSX
Topic: 1855 Message: 1859

Hi Gena,

because you have DXCC on satellites, that strengthen the scenario about
"First contact" between ST-ZS. If you had not any QSO with ST-Land before,
who else? I don't know anyone with more DXCC countries via OSCARs than you.
And the only one QSO with Sudan is with Nader.

http://es1rf.interval.ee/Satellite/dxcc.htm

BTW, Amazing list indeed !!! FB job dr Gena.

And thanks for your comment. It was very helpful.

73, Mak SV1BSX

----- Original Message -----
From: Gennadi Klevtsov
To: SV1BSX
Sent: Friday, September 12, 2008 8:38 AM
Subject: Re: [eu-amsat] ST-ZS QSO !

Hello Mak,

I think, the ST2NH is the new and the 1-st on DXCC for nearly

everyone, especially via LEO satellites.

I have 2 QSOs with ST-land, and both only with Nader

(firs in 2006 and another one 2 day ago).

May more active stations on the sat-bands from ST, but I did not hear

the other one.

Let wish him good success in a future!

73! Gena - ES1RF/ES3RF

Friday, September 12, 2008, 2:11:35 AM, you wrote:

>
Hello all,

Nader, ST2NH reported me that he managed today evening 11/9/2008 two successful satellite

QSOs with ZS6JON ! Firstly via AO-7 and after a few hour... via FO-29 !

Possibly it's the first contact via LEO-OSCARs between Sudan (ST) & South Africa (ZS) !

Well done !

Gongratulations to Nader, ST2NH and John, ZS6JON.

FB my friends !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr

URL : http://sv1bsx.50webs.com

--

Best regards,

Gennadi mailto:genek@...

1860. RE:Alone on L/S ON A0-51

Yahoo group: eu-amsat
Date: 2008-09-12 14:04:42 UTC
From: Luc Leblanc
Topic: 1860 Message: 1860

On 11 Sep 2008 at 22:59, Greg D. wrote:

>
> {snip}
>
> >
> > P.S. Remember, AO-51 is in mode J-FM on the 'QRP' side (435.15/145.88)
> > this week.
>
> Also remember the main side is in LS. I had the whole bird to myself again tonight...
>
> Greg KO6TH

Not quite VE3NPC,KD8CAO,WB8OTH,KC9ELU, and myself are there too when they are able to find the right uplink on L... But if i can succeed to
have the uplink controlled by a PC L/S will be a greath mode +- path obstruction (Just hope they will put the sat in this mode again this
winter)

BTW I don't know the extent of L/S mode operation in europe and in the rest of the world?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1861. RE: [eu-amsat] ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-12 16:25:47 UTC
From: John Hackett
Topic: 1855 Message: 1861

Gene,
I just saw your satellite DXCC list ... I grovel !!!! in the dust.

I have a few DXCC's but *NOT* on satellite. The one I'm most proud of is a 2w QRP CW one but even that *CANNOT* compare with your excellent acheavement.

Like I said ... I GROVEL Gene.

73 John. <la2qaa@...>

73 John.

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Fri, 12 Sep 2008 15:22:44 +0300
Subject: Re: [eu-amsat] ST-ZS QSO !

Hi Gena,

because you have DXCC on
satellites, that strengthen the scenario about
"First contact" between ST-ZS. If you had not
any QSO with ST-Land before,
who else? I don't know anyone with more DXCC countries via OSCARs than you.
And the only one QSO with Sudan is with
Nader.

http://es1rf.interval.ee/Satellite/dxcc.htm

BTW, Amazing list indeed !!! FB job dr
Gena.

And thanks for your comment. It was very
helpful.

73, Mak SV1BSX

----- Original Message -----
From:
Gennadi Klevtsov
To: SV1BSX
Sent: Friday, September 12, 2008 8:38
AM
Subject: Re: [eu-amsat] ST-ZS QSO !

Hello Mak,
I think, the ST2NH is the new and the 1-st on DXCC for nearly
everyone, especially via LEO satellites.

I have 2 QSOs with ST-land, and both only with Nader
(firs in 2006 and another one 2 day ago).
May more active stations on the sat-bands from ST, but I did not hear
the other one.
Let wish him good success in a future!

73! Gena - ES1RF/ES3RF

Friday, September 12, 2008, 2:11:35 AM, you wrote:

>

Hello all,

Nader, ST2NH reported me that he
managed today evening 11/9/2008 two successful
satellite
QSOs with ZS6JON ! Firstly via AO-7 and
after a few hour... via FO-29 !

Possibly it's the first contact via
LEO-OSCARs between Sudan (ST) & South Africa (ZS) !

Well done !

Gongratulations to Nader, ST2NH and
John, ZS6JON.

FB my friends !

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo
..gr
URL : http://sv1bsx.50webs.com

--
Best regards,
Gennadi
mailto:genek@...

1862. Re: ST-ZS QSO !

Yahoo group: eu-amsat
Date: 2008-09-12 21:17:21 UTC
From: st2nh
Topic: 1855 Message: 1862

The 3rd contact with zs from st was on FM bird SO-50
with my friend John zs6jon.
fist qso on a0-7
2nd qso on fo-29
3rd qso on SO-50

also tnx to zs3tg qso on fo-29 tonight with john on fo-29
thank Mak for skid with cu3eq i wll be qrv on fo-29.
Hope to catch him
73 de st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all,
>
> Nader, ST2NH reported me that he managed today evening 11/9/2008
two successful satellite
> QSOs with ZS6JON ! Firstly via AO-7 and after a few hour... via
FO-29 !
>
> Possibly it's the first contact via LEO-OSCARs between Sudan (ST)
& South Africa (ZS) !
>
> Well done !
>
> Gongratulations to Nader, ST2NH and John, ZS6JON.
>
> FB my friends !
>
> 73, Mak SV1BSX
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

1863. The Bitch is back.

Yahoo group: eu-amsat
Date: 2008-09-13 08:30:17 UTC
From: John Hackett
Topic: 1863 Message: 1863

The Bitch is back ... LA2QAA on AO-7 that is - (thanks for the mail Joe) - but there wasn't much activity on the 54813 orbit over Frei Island ... just one clown on SSB with *WAY* !!! too much power knocking the transponder silly ... still it "is" Saturday so the "clobberers" are to be expected at the weekend - I do wish they'd read the operating instructions though.

I suppose it was a case of not even knowing he was responible. Strange that they don't realise the tansponder only wobbles when they transmit ... and you *CAN'T* expect such operators to understand the term FULL DUPLEX - mostly, they use rusty 6 inch nails for receive aerials - wit about 100w to a 10 element beam on transmit.

73 John. <la2qaa@...>

1864. AO-51 L/S mode

Yahoo group: eu-amsat
Date: 2008-09-13 13:48:14 UTC
From: Luc Leblanc
Topic: 1864 Message: 1864

I just ending a near complete pass QSO with Michael KC9ELU on L/S. This western pass was much better than the east one?. Always manually
tracking the uplink i found a way to control the doppler on the downlink using the AFC button on the PCR-1000 that i used to received the
output of the AIDC downconverter on 123mhz. There is no need to have a PC tracking program just tune the downlink and let the AFC doing the
job!! It works and if you loose the downlink for few minutes the AFC is quite agile and he will retune by himself right on the center of
the downlink. You can always fine tune the frequency manually. The scope feature is also usefull if you drift too far away from the
downlink you can see where the signal is without tuning up and down.

I don't know if this will work for other type of receiver but the FT-847 does not have this feature?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1866. new one CU3EQ

Yahoo group: eu-amsat
Date: 2008-09-14 00:16:49 UTC
From: st2nh
Topic: 1866 Message: 1866

Very happy to have a new one on sat .
CU3EQ thank you very much OM Jose for the FB qso
tonight on fo-29
it was so happy moments to me
tnx for new one

Mak thank you for all help and contacts you have done
with Jose for this qso ,thanks for helping me spotting
the frequency and for your nice compliment
afterr the qso

Cor pd0rkc i copied you 59 but no copy from you side ? Hope to
meet you soon my old friend

73 DE ST2NH

1867. Re: [eu-amsat] new one CU3EQ

Yahoo group: eu-amsat
Date: 2008-09-14 00:45:56 UTC
From: SV1BSX
Topic: 1866 Message: 1867

Hi all,

well I am very glad for this QSO and I would like to say CONGRATULATIONS
to Jose CU3EQ & Nader ST2NH (....in alphabetical order !)

I heard personally the QSO and I confirm it. It was 100% complete.
And for the history, the distance between HM68KP & KK65GP according to
TinyLOC is 6306 Km !!! It could be without problem into AO-7 DX-List !!!

I can't say if that is the "Top" record for FO-29 or not, I have not records,
however sounds to me very good indeed. As the FO-29 is lower than AO-7,
I think this QSO is excellent. Definitely one of the best via FO-29.

Well done my friends ! Congratulations to both of you !

73, Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, September 14, 2008 3:16 AM
Subject: [eu-amsat] new one CU3EQ

> Very happy to have a new one on sat .
> CU3EQ thank you very much OM Jose for the FB qso
> tonight on fo-29
> it was so happy moments to me
> tnx for new one
>
> Mak thank you for all help and contacts you have done
> with Jose for this qso ,thanks for helping me spotting
> the frequency and for your nice compliment
> afterr the qso
>
> Cor pd0rkc i copied you 59 but no copy from you side ? Hope to
> meet you soon my old friend
>
> 73 DE ST2NH
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1868. Re: new one CU3EQ

Yahoo group: eu-amsat
Date: 2008-09-14 10:18:34 UTC
From: cu3eq
Topic: 1866 Message: 1868

HEllo Nder,
finally the qso on FO-29 very happy here to make qso with
you. Thank you to you to Nader for happy moment and a new one
for my on sateleite were i start a few weeks ago.
i hope make qso again in another satelite.
73 de J. Vitor CU3EQ

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Very happy to have a new one on sat .
> CU3EQ thank you very much OM Jose for the FB qso
> tonight on fo-29
> it was so happy moments to me
> tnx for new one
>
> Mak thank you for all help and contacts you have done
> with Jose for this qso ,thanks for helping me spotting
> the frequency and for your nice compliment
> afterr the qso
>
> Cor pd0rkc i copied you 59 but no copy from you side ? Hope to
> meet you soon my old friend
>
> 73 DE ST2NH
>

1869. Re: AO-7 Mode U/V.

Yahoo group: eu-amsat
Date: 2008-09-14 10:18:59 UTC
From: Simon (HB9DRV)
Topic: 1869 Message: 1869

Hi John,

Thanks - I noticed it was AWOL this morning when checking the U/V transverter. I'm only on U/V at the moment from my home. I didn't hear the CW beacon on 70cms - I like beacons :-)

Yesterday I managed to hear myself once I used the correct TX frequency (old eyes, ageing brain etc.).

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: john hackett

Yes, the U/V transponder is operational (depending on eclipse or not) every 2md day.

1870. Re: AO-7 Mode U/V.

Yahoo group: eu-amsat
Date: 2008-09-14 10:20:02 UTC
From: Simon Brown (KNS)
Topic: 1869 Message: 1870

Hi John,

Thanks - I noticed it was AWOL this morning when checking the U/V transverter. I'm only on U/V at the moment from my home. I didn't hear the CW beacon on 70cms - I like beacons :-)

Yesterday I managed to hear myself once I used the correct TX frequency (old eyes, ageing brain etc.).

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: john hackett

Yes, the U/V transponder is operational (depending on eclipse or not) every 2md day.

1871. Re: new one CU3EQ

Yahoo group: eu-amsat
Date: 2008-09-14 10:23:09 UTC
From: cu3eq
Topic: 1866 Message: 1871

Hi Mak,
thanks for help and suport this nice qso on FO-29.
Very happy here tks again.
73 J.Vitor CU3EQ.

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi all,
>
> well I am very glad for this QSO and I would like to say
CONGRATULATIONS
> to Jose CU3EQ & Nader ST2NH (....in alphabetical order !)
>
> I heard personally the QSO and I confirm it. It was 100%
complete.
> And for the history, the distance between HM68KP & KK65GP
according to
> TinyLOC is 6306 Km !!! It could be without problem into AO-7 DX-
List !!!
>
> I can't say if that is the "Top" record for FO-29 or not, I have
not records,
> however sounds to me very good indeed. As the FO-29 is lower than
AO-7,
> I think this QSO is excellent. Definitely one of the best via FO-
29.
>
> Well done my friends ! Congratulations to both of you !
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Sunday, September 14, 2008 3:16 AM
> Subject: [eu-amsat] new one CU3EQ
>
>
> > Very happy to have a new one on sat .
> > CU3EQ thank you very much OM Jose for the FB qso
> > tonight on fo-29
> > it was so happy moments to me
> > tnx for new one
> >

> > Mak thank you for all help and contacts you have done
> > with Jose for this qso ,thanks for helping me spotting
> > the frequency and for your nice compliment
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> >
> > Cor pd0rkc i copied you 59 but no copy from you side ? Hope to
> > meet you soon my old friend
> >
> > 73 DE ST2NH
> >
> >
> > ----------
> >
> > Yahoo! Groups Links
> >
> >
> >
>

1872. RE: 24 hour timer.

Yahoo group: eu-amsat
Date: 2008-09-14 10:42:09 UTC
From: John Hackett
Topic: 1872 Message: 1872

CC'd to the group FYO ... (for your information only).

73 John. <la2qaa@...>

From: la2qaa@...
To: simon@...
Subject: 24 hour timer.
Date: Sun, 14 Sep 2008 12:37:32 +0200

Hello Simon,
Much depends on the 24 hour timer, which, doesn't "always" work in conjunction with the eclipse period ... (I don't post this on the group page because it would confuse the 'L' out of most people).

After lengthy e-mail exchanges with Jan King - (AO-7 project manager) - and my own testing a couple of years ago, I came to the (correct) conclusion that some of the information in the 1976 Amsat newsletter regarding AO-7 is in fact incorrect.

Since about 1984 some of the electronics are 'fried' and even though certain of the sun panels "do" generate enough energy to operate the transponder in sunlight the actual relays *DON'T* always switch as they're supposed to ... so even though it often "appears" that the 24 hour timer is working correctly ... it is *NOT* always the case.

73 John

From: simon@hb9drv.ch
To: la2qaa@...
CC: eu-amsat@yahoogroups.com
Subject: Re: AO-7 Mode U/V.
Date: Sun, 14 Sep 2008 12:18:59 +0200

Hi John,

Thanks - I noticed it was AWOL this morning when checking
the U/V transverter. I'm only on U/V at the moment from my home. I didn't hear
the CW beacon on 70cms - I like beacons :-)

Yesterday I managed to hear myself once I used the correct
TX frequency (old eyes, ageing brain etc.).

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From:
john hackett

Yes, the U/V transponder is operational (depending on eclipse or not) every 2md day.

Get news, entertainment and everything you care about at Live.com. Check it out!

Get news, entertainment and everything you care about at Live.com. Check it out!

1873. 'University' frequencies.

Yahoo group: eu-amsat
Date: 2008-09-14 10:54:11 UTC
From: John Hackett
Topic: 1873 Message: 1873

Has anybody else noticed ?? ...

We seem to be "begging" various universities - please may we use our own exclusive amateur radio frequencies - (2m band) - just like Commander John Brannegan G3IHJ warned us we might be doing ... in 1995 ... and GM1SXX & LA2QAA reiterated in 2000, 2001, 2002, 2003, 2004, 2005 and 2006.

How long before we get chased off completely !! ... with the statement ... "GERROFF!!!, this is a university frequency".

As William Shakespeare would undoubtedly have stated ...

"Alas, me'thinks it far !! too late to stop ye olde rot now".

Just a thought.

NB.

Yessssssssss ... we know about the money issues ... and all the other issues ... P3D was !!! too optimistic and had we *NOT* put all our eggs in one basket we might not be in the situation we are today ... but what good does "I told you so" do, after the fact ??.

(I said: *might* not be).

73 John. <la2qaa@amsat.org>

1874. Amsat for everybody !!.

Yahoo group: eu-amsat
Date: 2008-09-14 11:32:31 UTC
From: John Hackett
Topic: 1874 Message: 1874

Err,
re: Amsat's 'Namaste' program - (Main Amsat page) - and the "Amsat for Everyone" (my words) idiom ... I was just wondering where the operator in Sri Lanka is going to get a 5Ghz transmitter and 3Ghz receiver for Eagle - (should it ever materialise).

Did I say P3D was too optimistic ?? ... read about the Eagle plans.

What's a few tens of millions of dollars for a launch ?? ...

Peanuts !!! apparently.

73 John. <la2qaa@...>

1875. Re: [eu-amsat] Re: AO-7 Mode U/V.

Yahoo group: eu-amsat
Date: 2008-09-14 11:37:52 UTC
From: Thomas Frey
Topic: 1869 Message: 1875

Simon Brown (KNS) schrieb:
> Hi John,
>
> Thanks - I noticed it was AWOL this morning when checking the U/V
> transverter. I'm only on U/V at the moment from my home. I didn't hear
> the CW beacon on 70cms - I like beacons :-)
>

Hello Simon

The 70cm beacon of AO-7 is silent. If AO-7 flies thru eclipses, then only
the B-transponder is on and you can hear the 2m beacon. Now there are no
eclipses and you can work Mode-A today and B tomorrow. But in the
non-eclipse
season the 2m-beacon switches off.

> Yesterday I managed to hear myself once I used the correct TX
> frequency (old eyes, ageing brain etc.).

More infos here: http://www.planetemily.com/ao7/
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com <http://www.ham-radio-deluxe.com>
>
> ----- Original Message -----
> *From:* john hackett <mailto:la2qaa@...>
>
> Yes, the U/V transponder is operational (depending on eclipse
> or not) every 2md day.
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1876. Re: [eu-amsat] Amsat for everybody !!.

Yahoo group: eu-amsat
Date: 2008-09-14 13:10:08 UTC
From: Luc Leblanc
Topic: 1874 Message: 1876

On 14 Sep 2008 at 13:32, John Hackett wrote:

>
> Err,
> re: Amsat's 'Namaste' program - (Main Amsat page) - and the "Amsat for Everyone" (my words) idiom ...
I was just wondering where the operator in Sri Lanka is going to get a 5Ghz transmitter and 3Ghz receiver for Eagle
- (should it ever materialise).
>
> Did I say P3D was too optimistic ?? ... read about the Eagle plans.
>
> What's a few tens of millions of dollars for a launch ?? ...
>
> Peanuts !!! apparently.
>
> 73 John. <la2qaa@...>
>

Hi John

Fine to hear you coming back from the nurses land. Just to pointed out that NAMASTE (even the name sound curious) is intended to be
available on a geosationnary sat who will cover North America and for emergency purpose only!! Don't bother you too much for Sri Lanka...

Here is some post i send on AMSAT-BB There is a long thread on the same subject

As usual AMSAT-NA is keeping the crowds unaware and uninformed on AMSAT-BB and on purpose...NAMASTE and EAGLE project are from my point of
view literally dead! For those who are still believing on a HEO made by AMSAT-NA
forget it they "HALTED" NAMASTE et fired out the EAGLE
team leaders

Here is some e-mails exchange...

It seems obvious now that AMSAT-NA projects are collapsing NAMASTE is dead and EAGLE PROBABLY WILL BE HALTED TOO?????
SEE BELOW THE FULL EXCHANGE AND PLEASE READ THE THREADS ON:
http://amsat.org/pipermail/namaste-dev/2008-July/thread.html

Here is an excerpt moving around both projects

> At this time, all group leaders on the Eagle project
> are relieved of their leadership duties.

Rick
W2GPS
AMSAT LM2232

-----Original Message-----
From: w8iss at wideopenwest.com [mailto:w8iss at wideopenwest.com]
Sent: Saturday, July 12, 2008 12:36 AM
To: Rick Hambly (W2GPS); 'namaste-dev'
Cc: bod at AMSAT.Org; 'officers'
Subject: Re: [Namaste-dev] AMSAT Engineering

---------- Original Message -----------
From: "Rick Hambly \(W2GPS\)" <w2gps at cnssys.com>
To: <eagle at AMSAT.Org>, "'namaste-dev'" <namaste-dev at AMSAT.Org>
Cc: bod at AMSAT.Org, "'officers'" <officers at AMSAT.Org>
Sent: Fri, 11 Jul 2008 10:18:13 -0400
Subject: [Namaste-dev] AMSAT Engineering
>
> Any changes to fundamental Eagle goals will come from the Board and Senior
> Officers team through me as engineering team leader. If anyone would
> like to suggest new ideas for consideration you have free access to
> express yourself either through your engineering team leader or
> directly to the members of the Board and Senior Officers team (see
> the links at http://www.amsat.org/amsat-new/AboutAmsat/officers.php).

So is Michelle STILL team leader?

> At this time, all group leaders on the Eagle project
> are relieved of their leadership duties.

Are you NOT contradicting yourself here, Rick?

Just some clarification here please.

James W8ISS

NO MORE EXCANGE BEYOND THIS POINT!!!!!

Again sleep well and pray for P3E the most viable one as of today

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1877. RE: [eu-amsat] Amsat for everybody !!.

Yahoo group: eu-amsat
Date: 2008-09-14 14:34:46 UTC
From: John Hackett
Topic: 1874 Message: 1877

Hello Luc,
Thanks for the updates ... yes !!, I obviously missed a lot while I was in hospital. Wow !!, those clown *WERE* getting optimistic wern't they.

I started to smell a rat several months ago when I, by accident, came across the information that the EMERGENCY transponder was planned so that it could *ONLY* be activated by certain people ... (Ohhhh *VERY* smart, for an "emergency" transponder). ... that was the time I decided Amsat really was !! degenerating into a private club for the chosen few.

Decocracy indeed !! - (I don't think)

I havn't mentioned this publicly - (though a few of my froends know) - I first started getting suspicious a couple of years ago when a past President e-mailed me with the words ...

"I havn't actually operated via a satellite but I'm a good adminstrator" ....

That, plus the fact that not just one prominent member of the b.o.d. voted with his feet - (walked away) - due to disagreement of the future policies - (direction) Amsat was to move in.

Personally, I think I'll be dead and gone - (currently 62 and ill health) - BEFORE an HEO takes to the skies. I also believe P3D
will also remain "on the ground" due to lack of funding for a launch.

The only ray of hope I see was provided by my partner-in-crime GM1SXX who has discovered there will be room for possible launch with the Russians from Korou with their latest project.

Have a look at our website at ...

<http://www.observations.biz/Joint_Observations/Observations_2008_09_11.htm>

At least there's a "glimmer" of hope there if Amsat are wise enough to persue it.

Remember ... you saw it on 'OBSERVATIONS' firstm though no doubt they will try to take credit for it like they did with VO-52 by giving it an Oscar number 'AFTER* the registered keeper of the satellite had died.

VO-52 was nothing at all !!! to do with Amsat.

73 John. <la2qaa@amsat>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sun, 14 Sep 2008 09:10:08 -0400
Subject: Re: [eu-amsat] Amsat for everybody !!.

On 14 Sep 2008 at 13:32, John Hackett wrote:

>

> Err,

> re: Amsat's 'Namaste' program - (Main Amsat page) - and the "Amsat for Everyone" (my words) idiom ...

I was just wondering where the operator in Sri Lanka is going to get a 5Ghz transmitter and 3Ghz receiver for Eagle

- (should it ever materialise).

>

> Did I say P3D was too optimistic ?? ... read about the Eagle plans.

>

> What's a few tens of millions of dollars for a launch ?? ...

>

> Peanuts !!! apparently.

>

> 73 John. <la2qaa@...>

>

Hi John

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available on a geosationnary sat who will cover North America and for emergency purpose only!! Don't bother you too much for Sri Lanka...

Here is some post i send on AMSAT-BB There is a long thread on the same subject

As usual AMSAT-NA is keeping the crowds unaware and uninformed on AMSAT-BB and on

purpose...NAMASTE and EAGLE project are from my point of

view literally dead! For those who are still believing on a HEO made by AMSAT-NA

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Rick

W2GPS

AMSAT LM2232

-----Original Message-----

From: w8iss at wideopenwest.com [mailto:w8iss at wideopenwest.com]

Sent: Saturday, July 12, 2008 12:36 AM

To: Rick Hambly (W2GPS); 'namaste-dev'

Cc: bod at AMSAT.Org; 'officers'

Subject: Re: [Namaste-dev] AMSAT Engineering

---------- Original Message -----------

From: "Rick Hambly \(W2GPS\)" <w2gps at cnssys.com>

To: <eagle at AMSAT.Org>, "'namaste-dev'" <namaste-dev at AMSAT.Org>

Cc: bod at AMSAT.Org, "'officers'" <officers at AMSAT.Org>

Sent: Fri, 11 Jul 2008 10:18:13 -0400

Subject: [Namaste-dev] AMSAT Engineering

>

> Any changes to fundamental Eagle goals will come from the Board and Senior

> Officers team through me as engineering team leader. If anyone would

> like to suggest new ideas for consideration you have free access to

> express yourself either through your engineering team leader or

> directly to the members of the Board and Senior Officers team (see

> the links at http://www.amsat.org/amsat-new/AboutAmsat/officers.php).

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> are relieved of their leadership duties.

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James W8ISS

NO MORE EXCANGE BEYOND THIS POINT!!!!!

Again sleep well and pray for P3E the most viable one as of today

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1878. Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-14 14:43:31 UTC
From: John Hackett
Topic: 1878 Message: 1878

Joint Observations
2008_09_11
GM1SXX & LA2QAA
Soyuz from Kourou
Arianespace and the Russians are busy
building a new Soyuz launch-pad.... at Kourou in French Guiana. The
construction of this launch pad will allow Arianespace, and probably also
Starsem, the marketing company for Soyuz , to launch Soyuz rockets
from a near-equatorial spaceport. Soyuz is an extremely reliable launcher
and has been around in various guises since 1957. The Soyuz craft launched
from Kourou will have an updated digital guidance system to provide even better
injection accuracy and will use tropicalised components to cope with the hot and
humid conditions encountered there. The enlarged 'ST' type launch shroud
will allow bulky payloads to be handled and we've also discovered that a new
version of the ASAP adaptor is being manufactured to fit the Soyuz launcher.
This has the designation 'ASAP-S'. It's similar in concept to the system
used to launch the AMSAT Microsats in the past and can accomodate four 200Kg
mass satellites on the outer ring with a single 400Kg payload in the central
chamber.
The new ST launch shroud for Soyuz is
4.11metres in diameter and 11.4 metres long.
With Soyuz being able to fly out of Kourou
(in addition to Plesetsk and Baikonur) plus the availability of the FREGAT upper
stage, this allows a number of different orbit type to be available to planners.

Fregat is an autonomous re-startable upper stage that can handle Medium-Earth
orbit, Sun-Synchronous orbit, Geostationary Transfer Orbit, and Earth Escape
trajectories, in short, it's an extremely versatile upper stage.
Who knows? Perhaps David (G0MRF) Bowman's suggestion of MEOSAT amateur
radio birds *could* become a reality using SOYUZ.
With ESA advertising for astronauts, one
must wonder where they will fly from and on which vehicle. They could certainly
fly to the ISS from Baikonur on a Soyuz, but with the US shuttle about to be
scrapped in the near future, they are unlikely to train for a flight on that
vehicle. One other possibility of course might be manned launches
from Kourou. Kourou is close to the Equator, so flights to the ISS would
require a fuel- guzzling 'dog-leg' manoeuver to reach the inclination of the ISS,
but the Europeans already *have* a large unmanned vehicle that could be
outfitted as a small space station (the ATV), and they also have a launcher
capable of lifting it into LEO so one wonders if that could become a part of
their manned programme.
While the Americans are actively working on
ARES, A.K.A. 'the
stick' launcher for manned spaceflight, the Europeans *could* use Russian built
Soyuz rockets carrying the Soyuz manned spacecraft from Kourou. This would be

far cheaper than designing, building and 'man-rating' a launch system of
their own. It's easier to launch to the ISS from Baikonur than from Kourou
but who knows what will happen when the Shuttle retires.
The following items already appear in
the Arianespace order book for Soyuz..

7 dedicated Soyuz launches
(two from Baikonur, six from the Guiana Space Center).
In our book,
two plus six equals eight, but maybe Arianespace use a 'different'
accounting system :-)
The future
looks interesting.

73 AL & John.

GM1SXX & LA2QAA

1879. Re: [eu-amsat] Re: AO-7 Mode U/V.

Yahoo group: eu-amsat
Date: 2008-09-14 15:01:05 UTC
From: Peter
Topic: 1869 Message: 1879

Hi- Tom Frey posted this response to Simon's question. "The 70cm beacon of AO-7 is silent. If AO-7 flies thru eclipses, then only the B-transponder is on and you can hear the 2m beacon. Now there are no eclipses and you can work Mode-A today and B tomorrow. But in the non-eclipse season the 2m-beacon switches off".

Can you explain how I can identify an eclipse and how you can tell when AO-7 flies thru eclipses, I need a little mentoring on the subject of eclipses and how they effect satellites from A to B modes, thank you.

73,
Pete, WB2OQQ

1880. RE: [eu-amsat] Re: AO-7 Mode U/V.

Yahoo group: eu-amsat
Date: 2008-09-14 15:11:29 UTC
From: John Hackett
Topic: 1869 Message: 1880

Pete,
As you probably know, AO-7's power is solar - the batteries are kaput. Things only work when the satellite is in sunlight, ie - non-eclipse.

Have a look here ...

<http://www.planetemily.com/ao7/ao7log.php>

Now click on AO-7 STATISTICS ... then AO-7 ELOIPSE CHARTS
and you will see the predicted times of eclipses.

The tracking program NOVA predicts eclipses textually.

If you don't have NOVA, and memory serves me well, the free ORBCOM program on Nova's website - (Northern Lights Sostware) - also has this feature.

Hope that helps.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: roi@...
Date: Sun, 14 Sep 2008 11:01:05 -0400
Subject: Re: [eu-amsat] Re: AO-7 Mode U/V.

Hi- Tom Frey posted this response to
Simon's question. "The 70cm beacon of AO-7 is silent. If AO-7 flies thru eclipses, then only the B-transponder is on and you can hear the 2m beacon. Now there are no eclipses and you can work Mode-A today and B tomorrow. But in the non-eclipse season the 2m-beacon switches off".

Can you explain how I can identify an eclipse and
how you can tell when AO-7 flies thru eclipses, I need a little mentoring on the subject of eclipses and how they effect satellites from A to B modes, thank you.

73,
Pete, WB2OQQ

1881. Re: [amsat-bb] Re: elevation rotor

Yahoo group: eu-amsat
Date: 2008-09-14 23:57:02 UTC
From: Luc Leblanc
Topic: 1881 Message: 1881

On 15 Sep 2008 at 0:49, i8cvs wrote:

> ----- Original Message -----
> From: "Luc Leblanc" <lucleblanc6@...>
> To: <amsat-bb@...>
> Sent: Sunday, September 14, 2008 9:18 PM
> Subject: [amsat-bb] Re: elevation rotor
>
> > On 14 Sep 2008 at 20:57, i8cvs wrote:
> >
> > > ----- Original Message -----
> > > From: "Gerry" <ve4gtb@...>
> > > To: <amsat-bb@...>
> > > Sent: Saturday, September 13, 2008 11:48 PM
> > > Subject: [amsat-bb] elevation rotor
> > >
> > > > My Kenpro KR-500 elevation rotor has quit working. Has anyone the
> > > > voltage outputs on the wiring terminals to the rotor. Like to check
> > > > the controller before taking the rotor down.
> > > >
> > > > 73
> > > >
> > > > Gerry VE4GTB / KD7MDB
> > > >
> > >
> > > Hi Gerry, VE4GTB / KD7MDB
> > >
> > > In a separate message I have sent to you the schematic diagram of the
> > > KR-500 so that you will be able to check the controller with easy.
> > >
> > > 73" de
> > >
> > > i8CVS Domenico
> >
> > HI Domenico
> >
> > It will be his second copy...HI next time i will copy the message to the
> > BB!
> >
> > "-"
> > Luc Leblanc VE2DWE
> > Skype VE2DWE
> > www.qsl.net/ve2dwe
> > WAC BASIC CW PHONE SATELLITE
> >

> Hi Luc, VE2DWE
>
> Since Gerry is requesting to know the voltage outputs on the wiring
> terminals to the rotor it follows that in addition to the schematic
> diagram it is necessary to add to him the following informations:
>
> With all 6 wires of the control box connected to the rotor the voltage
> measured at the rotor between 1 and 3 must be > 6 volt DC
> By the way if the rotor is stuck and cannot rotate but the DC voltage
> measured between 2 and 3 is ranging betwen 0 and 6 volt depending on
> the actual elevation position it is a good indication that probably the
> 500 ohm potentiometer inside the rotator has not an open circuit in
> some place of it.
>
> While running UP the voltage measured between the common of the
> motor numbar 6 and numbar 5 must be about 24 Volt AC and if the
> voltage measured between 4 and 5 is about 24 volt AC it indicates that
> the electrolitic capacitor C3 is not short circuited and both windings
> of the motor are OK
>
> While running DOWN the voltage measured between the common of the
> motor numbar 6 and numbar 4 must be about 24 Volt AC and if the
> voltage measured between 4 and 5 is about 24 volt AC it indicates that
> the AC electrolitic capacitor C3 is not short circuited and both windings
> of the motor are OK
>
> If the motor don't runs in any of both direction UP and DOWN disconnect
> the wires of the control box from terminals 4-5-6 of the motor and measure
> the ohmic resistance of the motor windings as follows:
> Between terminals 4 and 6 the value of the ohmic resistance must be 5 ohm
> Between terminals 5 and 6 the value of the ohmic resistance must be 5 ohm
> Between terminals 4 and 5 the value of the ohmic resistance must be 10 ohm
>
> If the motor still don't run check the unpolarized electrolitic capacitor C3
> 70uF 50VAC located inside the control box and measure it's capacity in uF
> because even if the voltage across it as measured between terminals 4 and 5
> is 24 volt AC it can be an open capacitor.
>
> If C3 is OK put an AC ammeter in series to terminal 5 and measure
> the current flowing into the motor while running UP and do the same
> with the ammeter in series to terminal 4 while running DOWN
>
> In both situations UP and DOWN the AC current must be about the same.
>
> The AC motor has a disc brake (27) and a disk pad (28) acting as a
> friction-clutch but with time the wear of the disc make the friction
> of the disc very weak so that the motor runs but the rotator has not the
> torque necessary to rotate the antennas.
>
> I hope this helps

>
> 73" de
>
> i8CVS Domenico
>

I think you and me should run for the next Pope position and as an Italian you have a meter in advance of me... EG: you are closer to the
Vatican. But i don't know if you consider yourself from the south or the north last time i was in Italy that's seems to matter some folk's.
(South of Menton area a juicy fruit region!) Here is what i wrote to Gerry

I added also a newspaper article at the time of the world was guessing who will be the next Pope:) Feel free to distribute it at will it's
in french but easy to translate.

It can help others too just hope this trend will came back on AMSAT-BB?

Ok just to be on the safe side when you will troubelshoot the rotor i assume you have a close circuit between wire 4-5, 5-6 and 4-6 i refer to
the wire position on the back lug terminal on the control box. To test theses wire
you should dismantle them from the box terminal. As i
can see your motor winding seems not to be open and that's a good news.

Now without connecting wire to terminal 4-5-6 check voltage on the control box
between terminal 4 and 6 with the power switch on and one of
the rotor direction switch depress you should read about 28 volts AC. Check after
voltage between terminal 5 and 6 depressing the other
direction switch here also you should read about 28 volts AC.

Just remember when you check the rotor at the shack level the wired tested should be disconnected from the control box. Bear in mind also
that it is possible that one of terminal 4 or 5 test open if the rotor was at his
maximum course limit. The limit switch can be activated.

My guess if all the tested you perform are correct your main step down transformer
can be fine as you have light when you switch the rotor
on, This pilot light take his power from the same transformer winding. The motor
circuit is the most easy part of your rotor electrical
wiring if the motor does not move something is open from the shack level up to the
rotor. Again make sure you follow al the procedures i
wrote and let me know your results.

Thank's

> I forget to mention to check for the motor terminal wiring at the control
> box just disconnect the wire behind the box and check if both
> motor coil are not open. that's the first step. On mine one coil test open
> meaning i have to find another rotor. Just hope it's not that as
> it is the worse scenario all the other problem can usually be repair.

P.S. I was the one who install this rotor up side down with some catastrophic results in winter here

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1882. Re: 'University' frequencies.

Yahoo group: eu-amsat
Date: 2008-09-15 09:00:54 UTC
From: Bratu Florian Gabriel
Topic: 1873 Message: 1882

Atention!!!
In the IARU rules accepted and certified by ITU the radioamateurs frequencies are not free. They can be used only by radioamateurs not by others. Using this frequencies by others is ilegal, the free (but paing taxes) are CB bands.

1883. Re: [eu-amsat] Re: 'University' frequencies.

Yahoo group: eu-amsat
Date: 2008-09-15 09:58:01 UTC
From: Thomas Frey
Topic: 1873 Message: 1883

Bratu Florian Gabriel schrieb:
> Atention!!!
> In the IARU rules accepted and certified by ITU the radioamateurs
> frequencies are not free. They can be used only by radioamateurs not by
> others. Using this frequencies by others is ilegal, the free (but
> paing taxes) are CB bands.
>
>
>

Hello Florian

Do you mean, if universities uses our frequencies with their cubesats,
this is illegal ? Can you post us a link to such a document from IARU
or ITU ?

But all japanese cubesats have a regular callsign. Hmmm...

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1884. Good one !! Thomas.

Yahoo group: eu-amsat
Date: 2008-09-15 16:07:01 UTC
From: John Hackett
Topic: 1873 Message: 1884

Thomas,
You make a very good and valid point - about the Japanese Cubesats having 'callsigns'. At least this shows they take the rule about "amateur" frequencies seriously.

It would be interesting if someone followed up this thread.

Good one !! Thomas.

The rest is just "waffle" ...

Of course, it's far too late now to do anything about it, we lost that battle years ago ... Mummy (Amsat) knows best ... they seem to be of the opinion we *SHOULD* a-begging go ... I posted the original mail to see if there actually were !! others that didn't agree with the official "party" policy ... not that it would matter because Amsat have already shown they do *NOT* cater to the general concensus of the membership.

A case in point being Richard Limbeare's referendum some while ago where - if I recall correctly, the Amsat-UK vote was 70+ percent *against* the official party line (read: Amsat-NA's B.O.D) ... but they went with the 25+ percent anyway!.

Good solid democracy.

Anyone not adhering to the official party line gets drummed out quick sharpish ... (ask Luc) ... which is precisely !! why Mak and I started this group.

Nobody is asked to agree with any views put forward but that they *can* be put forward without criticism, flaming or derogatory comments is the whole object of the exercise.

All we ask is that there is gentlemanly conduct at all times.

The sheer amount of input in the last 4 years shows this reflector is a success.

(Told !!!! you Mak, he-he-he).

73 John. <la2qaa@...>

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 15 Sep 2008 11:58:01 +0200
Subject: Re: [eu-amsat] Re: 'University' frequencies.

Bratu Florian Gabriel schrieb:

> Atention!!!

> In the IARU rules accepted and certified by ITU the radioamateurs

> frequencies are not free. They can be used only by radioamateurs not by

> others. Using this frequencies by others is ilegal, the free (but

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>

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Hello Florian

Do you mean, if universities uses our frequencies with their cubesats,

this is illegal ? Can you post us a link to such a document from IARU

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But all japanese cubesats have a regular callsign. Hmmm...

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1885. Re: [eu-amsat] Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-15 20:24:40 UTC
From: Trevor
Topic: 1878 Message: 1885

Hi John,

I think it was in either July 2006 or July 2007 that the AMSAT-DL President Peter DB2OS said at the AMSAT-UK Colloquium that the Russian launchpad at Kourou was one of the options they were investigating.

The main drawback to one of the early Russian launches from Kourou is the higher risk factor. The Russian Federation has never launched from a Tropical site. The climatic conditions are dramatically different from Baikonur and will present problems they haven't so far had to deal with.

Remember also that P3E is closely tied into P5A. AMSAT-DL needs to secure a Dual-Launch package for both spacecraft, ideally late 2009/early 2010 for P3E and 2011 for P5A.

73 Trevor M5AKA

--- On Sun, 14/9/08, John Hackett <archie.hackett@hotmail.com> wrote:
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Text from 'OBSERVATIONS'
To: "Eu-amsat@yahoogroups.com" <eu-amsat@yahoogroups.com>
Date: Sunday, 14 September, 2008, 3:43 PM

Joint Observations
2008_09_11
GM1SXX & LA2QAA

Soyuz from Kourou

Arianespace and the Russians are busy
building a new Soyuz launch-pad.. .. at Kourou in French Guiana. The
construction of this launch pad will allow Arianespace, and probably also
Starsem, the marketing company for Soyuz , to launch Soyuz rockets
from a near-equatorial spaceport. Soyuz is an extremely reliable launcher
and has been around in various guises since 1957. The Soyuz craft launched
from Kourou will have an updated digital guidance system to provide even better
injection accuracy and will use tropicalised components to cope with the hot and
humid conditions encountered there. The enlarged 'ST' type launch shroud
will allow bulky payloads to be handled and we've also discovered that a new
version of the ASAP adaptor is being manufactured to fit the Soyuz launcher.
This has the designation 'ASAP-S'. It's similar in concept to the system
used to launch the AMSAT Microsats in the past and can accomodate four 200Kg
mass satellites on the outer ring with a single 400Kg payload in the central
chamber.

The new ST launch shroud for Soyuz is
4.11metres in diameter and 11.4 metres long.
With Soyuz being able to fly out of Kourou

(in addition to Plesetsk and Baikonur) plus the availability of the FREGAT upper stage, this allows a number of different orbit type to be available to planners.

Fregat is an autonomous re-startable upper stage that can handle Medium-Earth orbit, Sun-Synchronous orbit, Geostationary Transfer Orbit, and Earth Escape trajectories, in short, it's an extremely versatile upper stage.
Who knows? Perhaps David (G0MRF) Bowman's suggestion of MEOSAT amateur radio birds *could* become a reality using SOYUZ.

With ESA advertising for astronauts, one must wonder where they will fly from and on which vehicle. They could certainly fly to the ISS from Baikonur on a Soyuz, but with the US shuttle about to be scrapped in the near future, they are unlikely to train for a flight on that vehicle. One other possibility of course might be manned launches from Kourou. Kourou is close to the Equator, so flights to the ISS would require a fuel- guzzling 'dog-leg' manoeuver to reach the inclination of the ISS, but the Europeans already *have* a large unmanned vehicle that could be outfitted as a small space station (the ATV), and they also have a launcher capable of lifting it into LEO so one wonders if that could become a part of their manned programme.

While the Americans are actively working on ARES, A.K.A. 'the stick' launcher for manned spaceflight, the Europeans *could* use Russian built Soyuz rockets carrying the Soyuz manned spacecraft from Kourou. This would be far cheaper than designing, building and 'man-rating' a launch system of their own. It's easier to launch to the ISS from Baikonur than from Kourou but who knows what will happen when the Shuttle retires.

The following items already appear in the Arianespace order book for Soyuz..

7 dedicated Soyuz launches (two from Baikonur, six from the Guiana Space Center).
In our book, two plus six equals eight, but maybe Arianespace use a 'different' accounting system :-)

The future looks interesting.

73 AL & John.

GM1SXX & LA2QAA

1886. Re: Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-16 07:28:43 UTC
From: Allan Copland
Topic: 1878 Message: 1886

--- In eu-amsat@yahoogroups.com, Trevor <m5aka@...> wrote:

> The main drawback to one of the early Russian launches from Kourou
is the higher risk factor. The Russian Federation has never launched
from a Tropical site. The climatic conditions are dramatically
different from Baikonur and will present problems they haven't so far
had to deal with.
>
Can't see a problem myself. As I pointed out in my article, Soyuz
vehicles for launch from Kourou will be tropicalised. Soyuz also
spends a minimum of time outdoors on the pad.

Baikonur is a desert area, both blisteringly hot and bitterly cold
weather but of course is far less humid than Kourou, but the vehicles
will receive special treatment to cope with the conditions there.
At least they won't have to cope with sub-zero temperatures and
icing, just humidity and insulation-eating bugs :-)

ASAP-S will also be available for Soyuz launches from Kourou along
with an enlarged launch shroud. Perhaps David Bowman's MEO proposal
would be practical from Kourou on Soyuz/ASAP-S.

IMHO the days of large amateur satellites are over. We should be
concentrating on smaller simpler birds, and in my opinion at least,
amateur satellites should carry amateur transponders, unlike the vast
majority of University birds, which serve no useful purpose whatsoever
to the majority of radio amateurs. Just my 0.2Cents worth.

73 Al.
GM1SXX
www.observations.biz

1887. MEOSAT

Yahoo group: eu-amsat
Date: 2008-09-16 07:44:29 UTC
From: Allan Copland
Topic: 1887 Message: 1887

For anyone with an interest, David's MEOSAT satellite proposal is at...
http://www.g0mrf.freeserve.co.uk/MEOSAT.htm

Al.
GM1SXX

1888. RE: [eu-amsat] Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-16 07:54:52 UTC
From: John Hackett
Topic: 1878 Message: 1888

Thanks for the info Trevor. I batted a copy to Al.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Mon, 15 Sep 2008 20:24:40 +0000
Subject: Re: [eu-amsat] Text from 'OBSERVATIONS'

Hi John,

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To: "Eu-amsat@yahoogroups.com" <eu-amsat@yahoogroups.com>
Date: Sunday, 14 September, 2008, 3:43 PM

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from Kourou. Kourou is close to the Equator, so flights to the ISS would require a fuel- guzzling 'dog-leg' manoeuver to reach the inclination of the ISS, but the Europeans already *have* a large unmanned vehicle that could be outfitted as a small space station (the ATV), and they also have a launcher capable of lifting it into LEO so one wonders if that could become a part of their manned programme.

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(two from Baikonur, six from the Guiana Space Center).
In our book,
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The future
looks interesting.

73 AL & John.

GM1SXX & LA2QAA

1889. Re: [eu-amsat] Re: Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-16 08:41:24 UTC
From: Simon Brown (KNS)
Topic: 1878 Message: 1889

----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>

> ... unlike the vast
> majority of University birds, which serve no useful purpose whatsoever
> to the majority of radio amateurs. Just my 0.2Cents worth.

I have no problem helping out universities with experiments - some of today's students could be the people who effect the launch of the next generation of MEO's and HEO's. We're helping with education and maybe we could stick an oar in and get the odd CW beacon or two running as well?

My only criteria is that the data sent by university satellites should be fully documented.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1890. RE: [eu-amsat] Re: Text from 'OBSERVATIONS'

Yahoo group: eu-amsat
Date: 2008-09-16 08:59:30 UTC
From: John Hackett
Topic: 1878 Message: 1890

Hello Simon,
IMHO Thomas's post re: Amateur callsigns in the amateur band is relavant - otherwise we might as well ditch all the rules - and just accept the Portugese and Russian taxi drivers welcome to the 2m band as well.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Tue, 16 Sep 2008 10:41:24 +0200
Subject: Re: [eu-amsat] Re: Text from 'OBSERVATIONS'

----- Original Message -----

From: "Allan Copland" <allan_gm1sxx@hotmail.com>

> ... unlike the vast

> majority of University birds, which serve no useful purpose whatsoever

> to the majority of radio amateurs. Just my 0.2Cents worth.

I have no problem helping out universities with experiments - some of

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could stick an oar in and get the odd CW beacon or two running as well?

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fully documented.

Simon Brown, HB9DRV

www.ham-radio-deluxe.com

1891. Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 09:07:28 UTC
From: John Hackett
Topic: 1891 Message: 1891

My last post was of course "tongue-in-cheek" but seriously ...

Anyone
using the 2m band should at the very least provide something in their
"package" that is useful to the average radio amateur ... *NOT* just
the dedicated "expert" and/or associated specialised equipment like
magnetic flux detectors or similar "experiments".

Even a simple CW beacon would suffice as "useful".

73 John. <la2qaa@...>

1892. Re: [eu-amsat] Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 09:34:28 UTC
From: Simon Brown (KNS)
Topic: 1891 Message: 1892

I agree - CW beacons are excellent for demonstrating / testing Doppler correction. Myself I use LO-19 for this.

A 1.2GHz / 2.4GHz CW beacons would be very handy...

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: John Hackett

Even a simple CW beacon would suffice as "useful".

1893. Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 10:14:46 UTC
From: Allan Copland
Topic: 1891 Message: 1893

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> I agree - CW beacons are excellent for demonstrating / testing
Doppler correction. Myself I use LO-19 for this.
>
> A 1.2GHz / 2.4GHz CW beacons would be very handy...
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
> ----- Original Message -----
> From: John Hackett
>
> Even a simple CW beacon would suffice as "useful".
>

CW and other narrowband satellite signals are no doubt interesting to demonstrate Doppler shift and for testing but it's a hellishly wasteful thing to spend membership money on unless the bird carries something else of use to the satellite enthusiast. That 'something else' usually happens to be a transponder for most paying members.

>A 1.2GHz / 2.4GHz CW beacons would be very handy...
Handy for what exactly?
Doppler on a 1.2/2.4Ghz LEO would be ferocious.

Perhaps you might also want to include a PSK transponder on such a bird, just for a giggle, or a bit of 'interest'? After all, it worked like a lead balloon before.

73 Al.

1894. Absolutely !!!.

Yahoo group: eu-amsat
Date: 2008-09-16 10:17:45 UTC
From: John Hackett
Topic: 1891 Message: 1894

I absolutely agree Simon ... I hope !!!!! somebody influential is reading this thread.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Tue, 16 Sep 2008 11:34:28 +0200
Subject: Re: [eu-amsat] Define useful, John.

I agree - CW beacons are excellent for demonstrating /
testing Doppler correction. Myself I use LO-19 for this.

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www.ham-radio-deluxe.com

----- Original Message -----
From:
John Hackett
Even a
simple CW beacon would suffice as "useful".

1895. Re: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 10:30:54 UTC
From: Simon Brown (KNS)
Topic: 1891 Message: 1895

```
----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>
>
>>A 1.2GHz / 2.4GHz CW beacons would be very handy...

> Handy for what exactly?
> Doppler on a 1.2/2.4Ghz LEO would be ferocious.
>

Exactly - handy for testing software development and for those of us who
live far away from UHF / SHF people it's a chance to test receivers.

I'm currently tracking 70cms CW very well. Although I have no 23 / 13 cms
kit at the moment I would start getting something sorted out were there
reliable beacons.

FWIW I'm updating my RX frequency 8 to 10 times per second and with LO-19 on
437.125 MHz the tone stays constant all the way.

Maybe Cube sats could be encouraged to use 13 / 23 cms?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
```

1896. Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 10:40:18 UTC
From: Allan Copland
Topic: 1891 Message: 1896

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)" <simon.brown@...> wrote:

> A 1.2GHz / 2.4GHz CW beacons would be very handy...
Hi Simon,

I believe 1.3Ghz is uplink (ground to space) only. 2.4G's can of course be used for space to ground links.
There are plenty of satellite signals to choose for doppler demos, especially outside the amateur satellite segments. Whats more, since Doppler shift increases with frequency, the amateur satellite band segments are probably not the best places to find such signals if you are actually serious about demonstrating Doppler shift.

Al.

1897. Re: [eu-amsat] Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 10:56:49 UTC
From: Thomas Frey
Topic: 1891 Message: 1897

John Hackett schrieb:
>
>
> Even a simple CW beacon would suffice as "useful".
>
> 73 John. <la2qaa@...>
>

Be carefull with CW beacons ! Mozhayets-4 aka RS-22 and Yubileiny aka RS-30 has also CW beacons. Both satellites are commercial/militaric intruders which have there contact in FM digital data with ground-stations in Russia. Over the rest of the world they are "masked" as amateur radio sats. And "our" AMSAT-NA means, this are HAM sats.
Do you presage the consequence of this ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1898. RE: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 10:59:03 UTC
From: John Hackett
Topic: 1891 Message: 1898

my two pennysworth re: doppler.

After the demise of DOVE I've never managed to find a *RELIABLE* "live" source for 2.4Ghz signals so I agree with Simon on that one.

I believe he is capable of implimenting software that could and would track a 2.4Ghz signal so such a beacon would be useful to "many" radio amateurs.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Tue, 16 Sep 2008 10:40:18 +0000
Subject: [eu-amsat] Re: Define useful, John.

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"

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Al.

1899. RE: [eu-amsat] Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 11:04:41 UTC
From: John Hackett
Topic: 1891 Message: 1899

I have to agree with you on that one Thomas ... which brings us back to my original question of ... "What consititutes an *AMATEUR* satellite - and should they be allowed to continually use the 2m band?.

Like William Shakespeare (and myself) said ... 'forsooth, tis a mite beyond too late to do owt about it noo'

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 16 Sep 2008 12:56:49 +0200
Subject: Re: [eu-amsat] Define useful, John.

John Hackett schrieb:

>

>

> Even a simple CW beacon would suffice as "useful".

>

> 73 John. <la2qaa@...>

>

Be carefull with CW beacons ! Mozhayets-4 aka RS-22 and Yubileiny aka

RS-30 has also CW beacons. Both satellites are commercial/militaric

intruders which have there contact in FM digital data with ground-

stations in Russia. Over the rest of the world they are "masked" as

amateur radio sats. And "our" AMSAT-NA means, this are HAM sats.

Do you presage the consequence of this ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1900. Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 11:20:24 UTC
From: Allan Copland
Topic: 1891 Message: 1900

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:

> Maybe Cube sats could be encouraged to use 13 / 23 cms?

Hi Simon,

I think it's unlikely that you will see CUBESATS using 2.4GHz down unless they use short data bursts. I doubt if the Cubesat format with only a few (a very few) watts of power could support a CW 2.4Ghz beacon although I *could* be wrong. Semiconductor devices for 2.4Ghz tend to be rather inefficient so power consumption/budget would almost certainly be an issue.

The reason why I'm so against the proliferation of University CUBESATs in the valuable 2M and 70Cms bands is that of course Doppler shift is far more manageable in those bands than on 2.4G's and not everyone has (or wants) automatic Doppler correction, especially those living in developing countries. The 2m and 70Cms segments are arguably our most valuable assets for communication, and they are being taken over by the Universities. As to Doppler, some of us like chasing the Doppler, by hand. Others simply can't afford anything else.

73 Al.
'This is my personal view... it's mine and you can't have it!'

1901. Re: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 12:07:48 UTC
From: Trevor
Topic: 1891 Message: 1901

> A 1.2GHz / 2.4GHz CW beacons would be very handy...

But unfortunately we don't have any satellite allocation for 1.2 GHz beacons, only uplinks are permitted. Lets hope the paper calling for an uplink/downlink Amateur Satellite allocation at 1240-1250 MHz (clear of Galileo) gets a sympathetic response at the IARU-R1 Cavtat meeting in November.

73 Trevor M5AKA

1902. Re: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 12:10:33 UTC
From: Simon Brown (KNS)
Topic: 1891 Message: 1902

```
----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>

> As to Doppler, some of us like chasing the Doppler,
> by hand. Others simply can't afford anything else.

But if you tune by hand what do you do with a linear transponder when
transmitting, crash into people?

Computers which can run satellite software are dirt cheap and very often
free. IMO there's no excuse for not using Doppler correction when
transmitting unless your radio doesn't support this (FT-8x7 for example).

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
```

1903. Re: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 12:11:32 UTC
From: Simon Brown (KNS)
Topic: 1891 Message: 1903

```
----- Original Message -----
From: "Trevor" <m5aka@...>
>
> But unfortunately we don't have any satellite allocation for 1.2 GHz
> beacons, only uplinks are permitted. Lets hope the paper calling for an
> uplink/downlink Amateur Satellite allocation at 1240-1250 MHz (clear of
> Galileo) gets a sympathetic response at the IARU-R1 Cavtat meeting in
> November.
>

70cms beacon with *strong* third harmonics?
```

1904. Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 13:59:20 UTC
From: Allan Copland
Topic: 1891 Message: 1904

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
> But if you tune by hand what do you do with a linear transponder
when transmitting, crash into people?

Well no, it's not usually a problem for those with more than a few
active braincells. I've even heard that some people use fixed
elevation antenna systems and rotate them by hand ... while also
manually tracking the doppler, communicating and keeping a log.

I can assure you that if you like a challenge, it's a lot of fun.
It's not for everyone of course, some people are 'appliance operators'
and so would welcome autotracking. Horses for courses etc.

> Computers which can run satellite software are dirt cheap and very
often
> free. IMO there's no excuse for not using Doppler correction when
> transmitting unless your radio doesn't support this (FT-8x7 for
example).

Many people don't live in rich countries, and for them, amateur radio
alone is a big luxury' let alone auto-tracking and computers. Should
we all just dismiss them because they are poor and can't afford an
IC-910X and a PC to auto-tune it? I don't think so.

73 Al.

1905. You are !!! actually helping others.

Yahoo group: eu-amsat
Date: 2008-09-16 15:39:14 UTC
From: John Hackett
Topic: 1891 Message: 1905

Gentlemen,
This thread is extreemly useful to the operators that have joined us in the last couple of years. Most of the posts are informative and teach the newcomer quite a bit ...
at the very least they probably incite "research" to find answers to various questions.

Well done !!! - it means the reflector is performing the duty it was designed for.

For what it's worth, I'm one of those who prefers manual tuning - though the program 'ITUNE' allows me to track with 'full doppler tuning' on my 22 year old 290/790 pair (neither of which has a CAT interface) - it's all done by mic push button control.

Automatic full doppler tuning is IMHO boring !!!! - though the (affluent) newcomer would probably not be without it.

The ITUNE software is pretty smart. It "knows" when the frequency changes and acts accordingly. I must admit though, it can only work with the now ancient DOS InstantTRACK program.

The point ? ... I have proved that even operators in developing countries or those like myself who havn't got two Roubles to rub together can still enjoy satellite operating.

For the newcomer - despite what you may have read elsewhere - a computer is *NOT* necessary to track a satellite.

I have a tracking program on my Nokia N70 mobile phone. (Everybody and his dog carries a mobile phone these days) ... yes, the program does !! tell you the doppler offset although some operators are like The Twisted Pair - (LA2QAA & GM1SXX) - whom tune "by ear".

I've never had a complaint yet about waltzing into someone else's QSO ... but then again, I *do* know what full duplex means and I *do* actually listen before I transmit and I *do* use a receive aerial that is more efficient than a rusty six inch nail.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Tue, 16 Sep 2008 13:59:20 +0000
Subject: [eu-amsat] Re: Define useful, John.

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"

<simon.brown@...> wrote:

> But if you tune by hand what do you do with a linear transponder

when transmitting, crash into people?

Well no, it's not usually a problem for those with more than a few

active braincells. I've even heard that some people use fixed
elevation antenna systems and rotate them by hand ... while also
manually tracking the doppler, communicating and keeping a log.
I can assure you that if you like a challenge, it's a lot of fun.
It's not for everyone of course, some people are 'appliance operators'
and so would welcome autotracking. Horses for courses etc.
> Computers which can run satellite software are dirt cheap and very
often
> free. IMO there's no excuse for not using Doppler correction when
> transmitting unless your radio doesn't support this (FT-8x7 for
example).
Many people don't live in rich countries, and for them, amateur radio
alone is a big luxury' let alone auto-tracking and computers. Should
we all just dismiss them because they are poor and can't afford an
IC-910X and a PC to auto-tune it? I don't think so.
73 Al.

1906. Re: [eu-amsat] Re: Define useful, John.

Yahoo group: eu-amsat
Date: 2008-09-16 17:55:18 UTC
From: Simon Brown (KNS)
Topic: 1891 Message: 1906

```
----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>
>
> I can assure you that if you like a challenge, it's a lot of fun.
> It's not for everyone of course, some people are 'appliance operators'
> and so would welcome autotracking. Horses for courses etc.
>
```

As an honorary member of the terminally bewildered I use software :-)

For everyone out there who controls their radios with computer programs here's a site with lots of maps of the world which you can use as backgrounds etc. copyright permitting.

http://flatplanet.sourceforge.net/maps/

I like earth living myself

http://flatplanet.sourceforge.net/maps/images/earth-living.jpg

Now back to the software and the kilted voodoo dolls :-)

Simon 'are we there yet' HB9DRV

1907. Terminally bewildered.

Yahoo group: eu-amsat
Date: 2008-09-16 18:13:04 UTC
From: John Hackett
Topic: 1907 Message: 1907

"As an honorary member of the terminally bewildered" ...

Now there's !!!! a turn of phrase- (curtesy of Simon Brown).

Pleeeeeeeeese can I join your club Simon ... I 'AM* qualified.

(This friviolity must cease - fifthwith ..... LA2QAA).

73 John. <la2qaa@...>

1908. Notice to members.

Yahoo group: eu-amsat
Date: 2008-09-16 18:24:32 UTC
From: John Hackett
Topic: 1908 Message: 1908

Unlike certain other reflectors, humour and cheerful banter is not only permitted, it's encouraged !! in the EU-Amsat group.

Please keep in mind that various people have different levels of tolerance and these should always be respected.

Thank You.

73 John. EU-Amsat moderator. <la2qaa@amsat.org>

1909. Re: [eu-amsat] You are !!! actually helping others.

Yahoo group: eu-amsat
Date: 2008-09-16 19:10:52 UTC
From: Luc Leblanc
Topic: 1891 Message: 1909

On 16 Sep 2008 at 17:39, John Hackett wrote:

- (LA2QAA & GM1SXX) - whom tune "by ear".
>
> I've never had a complaint yet about waltzing into someone else's QSO ...
> 73 John. <la2qaa@...>

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
>
> <simon.brown@...> wrote:
>

>
> Many people don't live in rich countries, and for them, amateur radio
>
> alone is a big luxury' let alone auto-tracking and computers. Should
>
> we all just dismiss them because they are poor and can't afford an
>
> IC-910X and a PC to auto-tune it? I don't think so.

If you hear on any transponder frequency when manually correcting your doppler a nearing signal you have only to move off a bit off this
signal. BUT on TCA i often loose my guy as i was unable to compensate. I discover it's better to adjust the uplink than the downlink as
both station can adjust their receiving apparatus better than the uplink when they manually adjust for doppler. That's why i never work AO-
40 at perigee as the S band downlink was moving too fast. BUT here we are with our "sputnik" sats and i succeed to partly making some QSO
on AO-51 last week in the L/S session even discovering that the AFC can effectively track the downlink doppler.

>Anyone not adhering to the official party line gets drummed out quick sharpish ...
>(ask Luc) ... which is precisely !! why Mak and I started this group.

>Nobody is asked to agree with any views put forward but that they *can* be put
>forward without criticism, flaming or derogatory comments is the whole object of the
>exercise.

>All we ask is that there is gentlemanly conduct at all times.

>The sheer amount of input in the last 4 years shows this reflector is a success.

As of now there is more activity here then there!!! and as Rich at the morgue who was burn to the bones one of his friend was unable to
identify the body and ask that we turned him over and he said "Ok now I can confirm it's him. The other Rich friend the day after ask also

that we turned over Rich body and he too confirm "Its really Rich" The doctor ask why both ask to turned the body and he answered when we
walked with Rich peoples always said "Hey it's Rich with his 2 ass holes"

Fortunately some of Rich friends are no more active on AMSAT-BB but i think some are still watching from their holes

Congratulations John and Mak for the "Ham spirit" and the freedom of speech support here on the internet.

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1910. Re: [eu-amsat] Notice to members.

Yahoo group: eu-amsat
Date: 2008-09-16 21:16:53 UTC
From: TERRY BROMLEY
Topic: 1908 Message: 1910

Hi John, spoil sport hi hi. Hope you are ok, by the mail you are generating you are.
73s Terry.

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Sent: Tuesday, September 16, 2008 7:24 PM
Subject: [eu-amsat] Notice to members.

Unlike certain other reflectors, humour and cheerful banter is not only permitted, it's encouraged !! in the EU-Amsat group.

Please keep in mind that various people have different levels of tolerance and these should always be respected.

Thank You.

73 John. EU-Amsat moderator. <la2qaa@...>

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.6.21/1674 - Release Date: 16/09/2008 08:15

1911. EU-AMSAT. Thanks to all.

Yahoo group: eu-amsat
Date: 2008-09-18 14:38:00 UTC
From: Allan Copland
Topic: 1911 Message: 1911

Hi Folks,

By any measure, this group has been a big success. I've just added our 125th member to the group this afternoon. It's refreshing to be a member of an AMSAT group where flaming and being unpleasant to others is rare, and where original thoughts and ideas are encouraged.

If you like the relaxed atmosphere thats usually prevalent here, by all means please encourage other satellite enthusiasts to join. It's your group after all.

This group was set up to discuss ideas and as a forum where original thought could prevail. Thank you folks for making it what it is today, and if you only sit on the sidelines ... please don't, get involved!

We want your input and ideas.

Vy 73,
Al.
GM1SXX

1912. Re: [eu-amsat] You are !!! actually helping others.

Yahoo group: eu-amsat
Date: 2008-09-18 15:18:40 UTC
From: SV1BSX
Topic: 1891 Message: 1912

```
>
> Congratulations John and Mak for the "Ham spirit" and the freedom of
> speech support here on the internet.
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
```

...thanks Luc for your kind comment. However I would like to remind that, Allan, GM1SXX is also a Moderator of this Group.
The success of this Group belongs also to him.

As John says with his sense of humor for Al :

"the other partner on the crime"!

73, Mak SV1BSX

1913. Have a shuftie at this.

Yahoo group: eu-amsat
Date: 2008-09-18 15:53:46 UTC
From: John Hackett
Topic: 1913 Message: 1913

Click on this link ... (don't argue !, just do it).

<http://www.iafastro.org/index.php?id=680>

Then click on the MEET THE MEMBERS button to see a list of possible representatives and delegates at the 2008 International Astronautical Congress in Glasgow, Scotland.

Now ... this !!!! is where AMSAT ought to be represented for lobbying for a 'ride'. (I'm serious) as well as making "connections".

I saved the best bit for last.

Anyone attending this convention will get the ADDED bonus of actually meeting GM1SXX.

73 John. <la2qaa@...>

1914. tnx new one eb8aya

Yahoo group: eu-amsat
Date: 2008-09-18 23:02:33 UTC
From: st2nh
Topic: 1914 Message: 1914

Thanks Javier EB8AYA for the nice QSO on FO-20 SAT tonight 2216z.
Thanks for the new one.

Thanks OM Mak for the nice compliments and help.

And special thank to all members of this wonderful group.

My contact list up today!!!
Any more sked are welcome.
QSL via EA7FTR

Italy
Ukraine
Belgium
Spain
Denmark
Estonia
Germany
Sardinia
Austria
Saudi Arabia
Slovenia
France ??????
Netherland
Hungary
Poland
Balearic Island
Greece
European Russia
Czech Republic
Sweden
Switzerland
Finland
Romania
South Africa
Croatia
Latvia
Azores
Asiatic Russia
England
Canary Island

73 DE st2nh

1915. Re: [amsat-bb] BOD and President

Yahoo group: eu-amsat
Date: 2008-09-19 02:02:33 UTC
From: Luc Leblanc
Topic: 1915 Message: 1915

On 15 Sep 2008 at 21:55, Bruce wrote:

> The new president could wind up being a lame duck ... here is why.
>
> the board elects the president at the first board meeting of the new
> board. typically it is someone on the board. typically you are elected
> to the board and over your years of service on the board are groomed
> (so to speak) to be president. you learn the workings of the
> organization etc.
>
> there are 7 board members with voting capabilites. there is one
> alternate (cannot vote). if all board members are present for a vote,
> there should never be a tie unless one member abstains.
>
> now, let's say that someone not on the board (with voting rights) is
> elected president. he will only have a vote in order to decide a tie,
> thus never being able to offer a measure for vote, never being able to
> second a measure and never being able to vote on it.
>
> wouldn't that make the president ineffective and a lame duck?
>
> btw things are fun here in Houston/Harris county. my house is fine
> except no electricity or water so stating at my sons apt which has
> everything (a benefit to living near the medical center). I have
> worked a weeks worth of time in 3 days. the next 4 days will be for
> mucho overtime. hope andy and marty are okay have not heard from them.
>
> 73...bruce
>
> Sent from my iPhone

I respectfully suggest this addition to the AMSAT-NA BOD bylaws. Could be the 919 voters representing less than the third of the total
AMSAT-NA membership will have a tool to be able to get rid of a fool eg: an Hitlerian actualized version of it... You know now why the
thermometer disappear from the AMSAT web page!

My suggestion:

No person shall be elected to the office of the President more than twice, and no person who has held the office of President, or acted as
President, for more than two years of a term to which some other person was elected President shall be elected to the office of the
President more than once. But this article shall not apply to any person holding the office of President when this article was proposed by
Luc Leblanc VE2DWE, and shall not prevent any person who may be holding the office of

President, or acting as President, during the term
within which this article becomes operative from holding the office of President or acting as President during the remainder of such term.

If this has been wrote on purpose who is this genius who never trust his own commetant?
He's probably fearing to be killed by the same
very one...

As usual it is my opinion and i know that you share it.

On a lighter note: http://www.youtube.com/watch?v=wKsoXHYICqU

"-"

Luc Leblanc ESQ
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1916. AO27???

Yahoo group: eu-amsat
Date: 2008-09-19 08:35:03 UTC
From: Bratu Florian Gabriel
Topic: 1916 Message: 1916

Starting with 14 this month AO27 is missing, the status on AMSAT is ok
but is no signal. Any iformation?

1917. Re: [eu-amsat] AO27???

Yahoo group: eu-amsat
Date: 2008-09-19 09:36:28 UTC
From: SV1BSX
Topic: 1916 Message: 1917

Hi Florian,

yes is OFF and this in not unusual. The last years it happens when the eclipse-
period increasing. Under this condition the old batteries of AO-27 are not strong
enough to keep the satellite operational.
The last time where happened -I think at 2007- the satellite was OFF for a couple
of months.

73, Mak SV1BSX

----- Original Message -----
From: "Bratu Florian Gabriel" <yo9gjx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, September 19, 2008 11:35 AM
Subject: [eu-amsat] AO27???

> Starting with 14 this month AO27 is missing, the status on AMSAT is ok
> but is no signal. Any iformation?
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1918. YT3N

Yahoo group: eu-amsat
Date: 2008-09-19 09:40:34 UTC
From: Dimitrios Pallis
Topic: 1918 Message: 1918

I would like to ask if someone knows the previews callsign of YT3N
or an email address for QSlink
thank you
73 de sw1jgwDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

_____
See how Windows connects the people, information, and fun that are part of your life.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093175mrt/direct/01/

1919. Re: [eu-amsat] Have a shuftie at this.

Yahoo group: eu-amsat
Date: 2008-09-19 17:52:08 UTC
From: Trevor
Topic: 1913 Message: 1919

The winner of the Schools Contest will also be announced at the event.

AMSAT-UK website - UK Schools Space Experiment Contest Launched
http://www.uk.amsat.org/content/view/599/86/

73 Trevor M5AKA

1920. RE: [eu-amsat] Have a shuftie at this.

Yahoo group: eu-amsat
Date: 2008-09-19 18:10:31 UTC
From: Pete Badham
Topic: 1913 Message: 1920
Attachments: 2 described; binary payloads are missing from this source WARC

Obviously some sort of time warp device has been proposed along with the satellite then?

Pete G0WXJ

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Trevor
Sent: 19 September 2008 18:52
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Have a shuftie at this.

The winner of the Schools Contest will also be announced at the event.

AMSAT-UK website - UK Schools Space Experiment Contest Launched
http://www.uk.amsat.org/content/view/599/86/

73 Trevor M5AKA

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.169 / Virus Database: 270.7.0/1680 - Release Date: 9/19/2008 8:25 AM

1921. Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 18:59:11 UTC
From: Marco IK1ODO
Topic: 1913 Message: 1921

Hi all,

I have a question about rotor control. As far as I know, all tracking program/rotor drivers control the rotor motors in on/off mode. Please correct me if I'm wrong.
Many modern large rotors (M2, SPID, Prosistel...) have DC motors. Has anyone implemented a proportional speed control for them, able to vary the antenna speed and keep it continuously pointed at the satellite? That will avoid many mechanical stresses on the antenna/rotor combination, and possibly obtain better pointing for near-vertical passes. Specially at S-band, an high gain antenna may have such a narrow lobe to be off-pointed if the SW-rotor loop has a noticeable servo delay; and such delay is unavoidable in a start-stop control system.

73 - Marco IK1ODO / AI4YF

1922. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 19:13:32 UTC
From: Simon Brown (KNS)
Topic: 1913 Message: 1922

I have a SPID - you set the position and it goes there, it's a worm drive and very solid.

Some rotators do support variable speed - but OMG - the poor old software programmer will not be liking you :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Marco IK1ODO" <ik1odo@...>

> Many modern large rotors (M2, SPID, Prosistel...) have DC motors. Has
> anyone implemented a proportional speed control for them, able to
> vary the antenna speed and keep it continuously pointed at the satellite?

1923. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 19:39:44 UTC
From: Marco IK1ODO
Topic: 1913 Message: 1923

Hello Simon,

>Some rotators do support variable speed - but OMG - the poor old software
>programmer will not be liking you :-)

That's the point. It would need a real,
proportional servo loop with position and velocity feedback.
I will have to steer a 3m dish at 2.4 GHz. 37 dB
gain, 3° lobe, and <2° pointing precision required.
Calculating the apparent angular speed of a LEO,
it will be off-pointed when the satellite is
overhead, due to the on/off servo loop delay. So my request.
Of course, the professionals have resolved the
problem a long time ago, but not with general
purpose tracking software, I presume. Who knows more?

73 - Marco IK1ODO / AI4YF

1924. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 19:47:58 UTC
From: Simon Brown (KNS)
Topic: 1913 Message: 1924

What rotator are you considering? The SPID with 0.25' precision and a good 24v supply should track this correctly and quite quickly, only problem is precision / alignment.

You'll have to find a rotator with velocity feedback first, if you can do this then software could work out the rest.

So - do you have a rotator with velocity feedback?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Marco IK1ODO" <ik1odo@...>

That's the point. It would need a real,
proportional servo loop with position and velocity feedback.
I will have to steer a 3m dish at 2.4 GHz. 37 dB
gain, 3? lobe, and <2? pointing precision required.
Calculating the apparent angular speed of a LEO,
it will be off-pointed when the satellite is
overhead, due to the on/off servo loop delay. So my request.
Of course, the professionals have resolved the
problem a long time ago, but not with general
purpose tracking software, I presume. Who knows more?

1925. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 20:24:01 UTC
From: SV1BSX
Topic: 1913 Message: 1925

Hi Marko,

I had a similar problem with an actuator. It was very fast and when the Software
gave command for about 1 degree, the actuator's movement was very fast
and the moving of antenna's bracket it was a bit more than 1 degree due to mechanical torpidity, so
the software was trying to correct the position by moving up-down up-down several times,
till the idling to the correct position between "feedback" and software position.

I solved this by using a timer and by feeding the motor with the half voltage during the
first 5 seconds of actuator's movement. The trick is that:

in the first 5 seconds the actutor is fed by the half voltage, so is moving slowly
and thus, easily and smoothly is going to the correct position. Thus, for small
differences in position (small movements) the actuator is moving slowly. But after the
first 5 secs, the timer commands the variable voltage supplier of actuator and thus
is moving with full voltage = full speed. Therefore, if you want a large movement, ie from 0 to 80 degr.
Elevation, the actuator is starting slowly and after 5 secs is moving fast in order to
cover fast enough the distance.

I don't know if something like that can be the solution for your problem. Just keep
in mind.

From my experience I have noticed that, the DC motors are very powerfull and they
have not problems with the 1/2 Voltage. Another combination is by using PWM circuit
for motor;s-feeding, you can this way to have almost full variable speed on DC motors
with hi-enough torgue.

Hope this helps

73, Mak SV1BSX

----- Original Message -----
From: "Marco IK1ODO" <ik1odo@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, September 19, 2008 9:59 PM
Subject: [eu-amsat] Question about rotor control SW

> Hi all,
>
> I have a question about rotor control. As far as I know, all tracking
> program/rotor drivers control the rotor motors in on/off mode. Please
> correct me if I'm wrong.
> Many modern large rotors (M2, SPID, Prosistel...) have DC motors. Has
> anyone implemented a proportional speed control for them, able to
> vary the antenna speed and keep it continuously pointed at the satellite?
> That will avoid many mechanical stresses on the antenna/rotor
> combination, and possibly obtain better pointing for near-vertical passes.
> Specially at S-band, an high gain antenna may have such a narrow lobe
> to be off-pointed if the SW-rotor loop has a noticeable servo delay;
> and such delay is unavoidable in a start-stop control system.
>
>
> 73 - Marco IK1ODO / AI4YF
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

1926. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 20:31:39 UTC
From: Marco IK1ODO
Topic: 1913 Message: 1926

At 21.49 19/09/2008, you wrote:

>What rotator are you considering? The SPID with 0.25' precision and a good
>24v supply should track this correctly and quite quickly, only problem is
>precision / alignment.
>
>You'll have to find a rotator with velocity feedback first, if you can do
>this then software could work out the rest.
>
>So - do you have a rotator with velocity feedback?
>
>Simon Brown, HB9DRV
>www.ham-radio-deluxe.com

I will probably use a ProSisTel rotor. It has a worm drive like the
Spid, but a more robust construction. But I don't know how the
feedback is implemented, and what precision/positioning speed it has
- I will ask the manufacturer, then decide.
Well, more later... I know it is not a simple matter.

73 - Marco IK1ODO / AI4YF

1927. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 20:36:49 UTC
From: Marco IK1ODO
Topic: 1913 Message: 1927

At 21.25 19/09/2008, you wrote:
> Hi Marko,
>
>I had a similar problem with an actuator. It was very fast and when the
>Software
>gave command for about 1 degree, the actuator's movement was very fast

Hi Mak,

thanks for info. The 5 sec relay trick is simple and effective - you
have implemented a digital, 1 bit DAC torque control :-)

73 - Marco IK1ODO / AI4YF

1928. Re: [eu-amsat] Question about rotor control SW

Yahoo group: eu-amsat
Date: 2008-09-19 21:05:46 UTC
From: Simon Brown (KNS)
Topic: 1913 Message: 1928

ProSisTel are very nice and expensive.

The website is not fantastic and needs serious re-working. I have the docs, the velocity cannot be read.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Marco IK1ODO" <ik1odo@...>
>
> I will probably use a ProSisTel rotor. It has a worm drive like the
> Spid, but a more robust construction. But I don't know how the
> feedback is implemented, and what precision/positioning speed it has
> - I will ask the manufacturer, then decide.
> Well, more later... I know it is not a simple matter.

1929. yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 11:32:44 UTC
From: Thomas Frey
Topic: 1929 Message: 1929

Hello all

I followed your last discussion about rotor control with interest.
A similar problem is the yoyo effect. But this is not a hardware
problem but a software problem. I make an example:

IF AZIMUTH_rotor = AZIMUTH_satellite THEN Stop

This will occur in a yoyo effect.

IF AZIMUTH_rotor = (AZIMUTH_satellite + 6) OR (AZIMUTH_satellite - 6)
THEN Stop

This will control the rotor in steps. Of course, you can not control
a 3 meter dish to follow a LEO-sat in this manner. ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1930. Re: yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 13:58:53 UTC
From: Allan Copland
Topic: 1929 Message: 1930

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Hello all
>
> I followed your last discussion about rotor control with interest.
> A similar problem is the yoyo effect. But this is not a hardware
> problem but a software problem. I make an example:

An interesting subject for me, this one!

Our amateur radio rotators are generally very simple things, even when software controlled. They just go where there are told and stop with a bang! This results in yo-yo'ing, which stresses the whole assembly.

Software can help, but a far better solution is to ditch the simple motors used in these systems and go over to stepper motors. With a stepper motor driven system, it's possible to 'ramp up and down' the rotation rate to provide smooth starting and stopping with minimal backlash. I've used this method in the past for control of a several rotary machining tables for precision machining operations for a local engineering company.

It still surprises me somewhat that the big rotator manufacturers are still managing to sell quite expensive equipment that's so poorly manufactured (cheap pressed metal gears and cheap alloy castings etc) and using such crude and simple control systems.

Stepper motors are quite cheap really and it's possible to use a PIC or ATMEL MPU in a closed loop system that only needs to be fed the desired angles via a serial port. The G-232 rotator interface standard is easy to emulate with such a device.

The big advantage of going all digital is that the angles to rotate through just become target numbers to be counted down from and as the desired angle approaches, the motors speed (i.e. the time between step pulses) can be increased gradually to bring the device to a smooth stop. Digital control has a further advantage.... accuracy.

My machining centres used no potentiometers for position measurement. At the start of each machining operating, I used a slotted opto-coupler mounted on the machine bed and a moving target (a small twist-drill embedded in the side of the rotary table and ground flat... as a positional reference, which the software sought as a datum).

The 'homing operation' took place 'in the fly' while the operator was loading the next part to be machined.
All other angles were calculated in software from this absolute reference datum. No yo-yoing, no backlash and complete repeatability.

Some day, all rotators might be like this :-)

73 Al.
GM1SXX

1931. Re: [eu-amsat] yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 15:06:00 UTC
From: Simon Brown (KNS)
Topic: 1929 Message: 1931

My AlfaSPID is not at all bad *and* it's built very well, so with a 'normal' set of antennas the strain is not at all bad. I drive mine in 1.0' steps, I could turn it down to 0.25' steps.

This is an interesting discussion, HB9HAL has an interesting rotator on his 10m dish, I'll have to get the details from him. This is steered in 0.1' increments.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
>
> I followed your last discussion about rotor control with interest.
> A similar problem is the yoyo effect. But this is not a hardware
> problem but a software problem. I make an example:
>
> IF AZIMUTH_rotor = AZIMUTH_satellite THEN Stop
>
> This will occur in a yoyo effect.
>
> IF AZIMUTH_rotor = (AZIMUTH_satellite + 6) OR (AZIMUTH_satellite - 6)
> THEN Stop
>
> This will control the rotor in steps. Of course, you can not control
> a 3 meter dish to follow a LEO-sat in this manner. ;-)
>

1932. Re: [eu-amsat] Re: yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 15:23:12 UTC
From: Thomas Frey
Topic: 1929 Message: 1932

Allan Copland schrieb:
> [snip]
> My machining centres used no potentiometers for position measurement.
> At the start of each machining operating, I used a slotted
> opto-coupler mounted on the machine bed and a moving target (a small
> twist-drill embedded in the side of the rotary table and ground
> flat... as a positional reference, which the software sought as a datum).
>
> The 'homing operation' took place 'in the fly' while the operator was
> loading the next part to be machined.
> All other angles were calculated in software from this absolute
> reference datum. No yo-yoing, no backlash and complete repeatability.
>
> Some day, all rotators might be like this :-)
>
> 73 Al.
> GM1SXX
>
>
Hopefully Yes :-)

This remembers me to an article in the AMSAT-DL Journal, in which is described how to upgrade the Kenpro/Yaesu rotors with an opto-coupler instead a potentiometer. If I remember me also right, the author was Freddy, ON6UG.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1933. Re: [eu-amsat] yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 15:53:56 UTC
From: Luc Leblanc
Topic: 1929 Message: 1933

On 20 Sep 2008 at 17:06, Simon Brown (KNS) wrote:

> My AlfaSPID is not at all bad *and* it's built very well, so with a 'normal'
> set of antennas the strain is not at all bad. I drive mine in 1.0' steps, I
> could turn it down to 0.25' steps.

I have the azimuthal Alfa Spid and i drive a 2.7 meter dish with it and actually 4 beam ranging from a 2.4ghz to 144mhz and one degree is
more than needed for the actual LEO fleet and at the time of AO-40 it was also more than needed.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1934. Re: yoyo effect while rotor control

Yahoo group: eu-amsat
Date: 2008-09-20 17:02:43 UTC
From: Allan Copland
Topic: 1929 Message: 1934

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello all
>
> I followed your last discussion about rotor control with interest.
> A similar problem is the yoyo effect. But this is not a hardware
> problem but a software problem. I make an example:
>

A little more on the machine control system I designed.

The rotary indexing tables I used had a 400:1 gear ratio and the stepper motor driving it was a 1.8degree/step with 0.7degrees half-stepping mode. The control software was written in assembler after initial tests using BASIC.

With 200 1.8 degree (coarse) steps per revolution, the table rotated 0.0045 degrees per pulse in coarse mode. Very fine increments indeed.

I made subroutines for various angles for convenience because the table movements were so fine.
There are two easy ways to control the start-up and slow-down of such a system..... software or hardware.

It is possible to buy (off the shelf) a dedicated drive module that is fed a train of pulses (at high data rate) and it has the job of ramping up and ramping down the stepper while delivering the exact number of pulses needed to drive the motor correctly. This ensures the optimum step rate for the motors without over or undershoot over the whole pulse-train sequence.

The other (cheaper) but just as good if done properly... method is to implement the same system in software. The software method requires much trial and error with 'real' hardware, to determine the best rates (without dropping pulses etc ... because the hardware can't cope) and didn't work quite as efficiently for me as the hardware solution although still IMHO very acceptable. I tried both but for a variety of reasons, the company selected the hardware method.
Time is money, I guess :-)

Since these tables use transverse worm gearing, they don't require any additional braking. The machines ran 24*7 for many years in a production environment with only minimal intervention. Their purpose was to drill a series of holes in metal parts.

The geared table was the most expensive item. The control computer was a hand built job.

I'm sure a similar system but scaled down in terms of robustness, quality and step size etc would make an excellent system for satellite tracking.

73 Al.
SXX

1935. Setup Photos

Yahoo group: eu-amsat
Date: 2008-09-21 14:25:11 UTC
From: Simon Brown (KNS)
Topic: 1935 Message: 1935

Anyone got any photos they want to share of their satellite stations? Here's mine:

http://www.ham-radio-deluxe.com/Home/HB9DRVsSatelliteSetup/tabid/113/Default.aspx

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1936. Re: [eu-amsat] Setup Photos

Yahoo group: eu-amsat
Date: 2008-09-21 15:36:03 UTC
From: SV1BSX
Topic: 1935 Message: 1936

.....the most impressive antenna-setup that I have ever seen is that, by DH5MK:

http://www.dh5mk.de/pages/gallery/90-degrees-elevated9.php

....into the attic !!!! Amazing !!!!

73, Mak SV1BSX

PS: who's care about "bad" neighbors ?

----- Original Message -----
From: Simon Brown (KNS)
To: EU-AMSAT
Sent: Sunday, September 21, 2008 5:25 PM
Subject: [eu-amsat] Setup Photos

Anyone got any photos they want to share of their satellite stations? Here's mine:

http://www.ham-radio-deluxe.com/Home/HB9DRVsSatelliteSetup/tabid/113/Default.aspx

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

1937. Pics.

Yahoo group: eu-amsat
Date: 2008-09-21 16:11:37 UTC
From: John Hackett
Topic: 1937 Message: 1937

Nice pics Simon.

For the newcomer, don't let the pics scare you - such a set-up is *NOT* mandatory to enjoy working satellites.

On the Amsat-bb this morning there was a gentleman bemoaning the cost of *ALL* the equipment necessary to work the satellites ... BALLCOCKS !!!.

Once again !!! Amsat giving the wrong impression of what is necessary and what isn't. GM1SXX will back me up on this - as will Howard Long - (and if you don't know his !!! callsign, you really should !!! be lined up againsy the wall and shot at dawn).

Even those with a limited budget can find older and/or second hand gear on Ebay for a kiss and a song.

As previously mentioned (many) times, circular polarisation is *NOT* a necessity - though in certain circumstances it 'can' be an advantage. "Switchable" linear polarisation for LEO's is a far better solution for the potential newcomer.

Even a computer isn't necessary for satellite tracking. Any old modern mobile phone will do - (with the SATme) program.

The point ? ... if you want to try satellites, *DON'T* !!!! be scared off by the picture of Simon's station, all that gear is *NOT* necessary.

... and before you all start whinging that- "only experienced operators would be here anyway" ... you're wrong !!!! ... I can assure you that many potential newcomers check out these pages.

That's what they're here for.

73 John. <la2qaa@...>

1938. Re: [eu-amsat] Pics.

Yahoo group: eu-amsat
Date: 2008-09-21 16:18:24 UTC
From: Simon Brown (KNS)
Topic: 1937 Message: 1938

```
----- Original Message -----
From: John Hackett

> For the newcomer, don't let the pics scare you - such a set-up is *NOT*
> mandatory to enjoy working satellites.

I would like to see you standing outside in winter working satellites :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
```

1939. an old problem with go-32 bbs

Yahoo group: eu-amsat
Date: 2008-09-21 17:31:49 UTC
From: st2nh
Topic: 1939 Message: 1939

I can use my TNC3S to download and upload any message to AO-51 BBS.
But on GO-32 sat ,I can only download messages but the software? or the
TNC ? ignore completely any messages to upload it to the satellite.
I tried a lot of setup over her but nothing work!
Please any more info and help to solve this problem!

1940. Re: Setup Photos / and beginners.

Yahoo group: eu-amsat
Date: 2008-09-21 18:08:13 UTC
From: Allan Copland
Topic: 1935 Message: 1940

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
> .....the most impressive antenna-setup that I have ever seen is
that, by DH5MK:

> http://www.dh5mk.de/pages/gallery/90-degrees-elevated9.php

I agree, one nice thing about satellites is that transmit and receive aerials are (or can be, for LEO's) modest in size and can even be hidden indoors.

When I first got interested in satellites, I had contacts via the RS birds using home-made aerials mounted on a pole that I could rotate by hand. I later 'graduated' to a pair of home-made (ordinary linear polarised) yagis, fixed in elevation, and mounted on a cheap TV rotator on a scaffolding pole that I used for many years with fixed elevation.

I got side-tracked later with UoSAT2, a downlink only 'intruder' in the 2M band on 145.826Mhz FM... a University bird that transmitted interesting telemetry, which led me into writing software for decoding and archiving the telemetry, but... enough of that!

The point I'm trying to make is that it's fine & dandy if you are a rich devotee and have money to burn on automated AZ-EL systems with expensive commercial preamps etc and computer control, but the newcomer to this aspect of the hobby should not be daunted by all this stuff. They should realise that it is possible to work FM LEO's with only a hand-held aerial and a pocket sized rig. You don't actually *need* all that expensive kit to get started.

Much though I dislike FM birds, they are easy for newcomers to get going on and Howard's website is a great place to start.

http://www.g6lvb.com/Articles/operatingAO51.htm

Jerry Brown's DIY aerials are also worth a visit.
http://members.aol.com/k5oe/
I can recommend Jerry's 70Cms quagi as a cheap and easy design.

Our hobby has something for everyone, and the amateur satellites are no exception. For those who wish to 'put a toe in the water' and make an minimal financial investment, AO51 will do that for you. If you like more of a challenge, that also is possible, thankfully.

73 Al.
GM1SXX

1941. RE: [eu-amsat] Pics.

Yahoo group: eu-amsat
Date: 2008-09-21 18:25:21 UTC
From: John Hackett
Topic: 1937 Message: 1941

Not a problem Simon,
I've been doing it for many, many years.

When I get around to it I'll send you some pictures of me operating in minus 34 degrees from Fallet in Eastern Norway.

I've also operated from Jairabub in the Sahara in Libya in plus 43 degrees.

Quite extreeme differences.

I can tell you ... Yaesu rotors do *NOT* operate in minus 34 degrees "as is" ... you have to change the oil. A homebrew "screwdriver" elevation rotor is far more effective in those temperatures.

In the Sahara, we only used electronically switched beams. It is 'NOT* wise to use mechanical rotors in sandstorm environments.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: simon.brown@...
Date: Sun, 21 Sep 2008 18:18:24 +0200
Subject: Re: [eu-amsat] Pics.

----- Original Message -----

From: John Hackett

> For the newcomer, don't let the pics scare you - such a set-up is *NOT*

> mandatory to enjoy working satellites.

I would like to see you standing outside in winter working satellites :-)

Simon Brown, HB9DRV

www.ham-radio-deluxe.com

1942. RE: [eu-amsat] Re: Setup Photos / and beginners.

Yahoo group: eu-amsat
Date: 2008-09-21 19:37:47 UTC
From: Dimitrios Pallis
Topic: 1935 Message: 1942

Here is my previus antenna system. Its based on Linear Actuator. It was Mak's (sv1bsx) idea for low cost 3D antenna system!!!
i worked several stations with this antenna system for a lot of months.

http://www.sw1jgw.com/photo.htm

very interesting case is SW1EIX's antennas a new Satellite Comunicator. This antenna system was builded with the advices guess who?
Mak's of course!!!
http://users.otenet.gr/~sw1eix/sw1eix/

A very good peroformance with very low cost ideal for the begginers!!Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: allan_gm1sxx@hotmail.comDate: Sun, 21 Sep 2008 18:08:13 +0000Subject: [eu-amsat] Re: Setup Photos / and beginners.

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:> .....the most impressive antenna-setup that I have ever seen isthat, by DH5MK:>
http://www.dh5mk.de/pages/gallery/90-degrees-elevated9.phpI agree, one nice thing about satellites is that transmit and receiveaerials are (or can be, for LEO's) modest in size and can even behidden indoors. When I first got interested in satellites, I had contacts via the RSbirds using home-made aerials mounted on a pole that I could rotate byhand. I later 'graduated' to a pair of home-made (ordinary linearpolarised) yagis, fixed in elevation, and mounted on a cheap TVrotator on a scaffolding pole that I used for many years with fixedelevation. I got side-tracked later with UoSAT2, a downlink only 'intruder' inthe 2M band on 145.826Mhz FM... a University bird that transmittedinteresting telemetry, which led me into writing software for decodingand archiving the telemetry, but... enough of that!The point I'm trying to make is that it's fine & dandy if you are arich devotee and have money to burn on automated AZ-EL systems withexpensive commercial preamps etc and computer control, but thenewcomer to this aspect of the hobby should not be daunted by all thisstuff. They should realise that it is possible to work FM LEO's withonly a hand-held aerial and a pocket sized rig. You don't actually*need* all that expensive kit to get started.Much though I dislike FM birds, they are easy for newcomers to getgoing on and Howard's website is a great place to
start.http://www.g6lvb.com/Articles/operatingAO51.htmJerry Brown's DIY aerials are also worth a visit. http://members.aol.com/k5oe/I can recommend Jerry's 70Cms quagi as a cheap and easy design. Our hobby has something for everyone, and the amateur satellites areno exception. For those who wish to 'put a toe in the water' and makean minimal financial investment, AO51 will do that for you. If youlike more of a challenge, that also is possible, thankfully. 73 Al.GM1SXX

_____
Get more out of the Web. Learn 10 hidden secrets of Windows Live.
http://windowslive.com/connect/post/jamiethomson.spaces.live.com-Blog-cns!550F681DAD532637!5295.entry?ocid=TXT_TAGLM_WL_domore_092008

1943. Re: [eu-amsat] an old problem with go-32 bbs

Yahoo group: eu-amsat
Date: 2008-09-21 19:58:43 UTC
From: Thomas Frey
Topic: 1939 Message: 1943

st2nh schrieb:
> I can use my TNC3S to download and upload any message to AO-51 BBS.
> But on GO-32 sat ,I can only download messages but the software? or the
> TNC ? ignore completely any messages to upload it to the satellite.
> I tried a lot of setup over her but nothing work!
> Please any more info and help to solve this problem!
>
>

Have you set the callsign's correct in Wisp ?
BBS Callsign = 4XTECH-12
Broadcast Callsign = 4XTECH-11

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1944. Re: an old problem with go-32 bbs

Yahoo group: eu-amsat
Date: 2008-09-22 02:07:54 UTC
From: st2nh
Topic: 1939 Message: 1944

Hello Thomas
Thank OM for reply
Yes every thing was ok at the setup.
The satellite listens to me every time I send an order to
update my directory or to Downloaded any file! A text file or a
photo etc.
And some time the satellite put me in row with other stations
As you can see in the photo I have add to photo section in the eu-
amsat. Under name - pacsat download album.
Every thing is ok except the sat refusing to upload my files.
At the same time the setup over here works perfectly with AO-51 sat!

Some friend says this problem may be from the TNC? But if there were
any thing wrong in the TNC Why it's working perfectly on download
side and not on upload side?

I hope I can solve this problem ASAP! I really like to work the
digital satellites.

73 de st2nh - Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh schrieb:
> > I can use my TNC3S to download and upload any message to AO-51
BBS.
> > But on GO-32 sat ,I can only download messages but the software?
or the
> > TNC ? ignore completely any messages to upload it to the
satellite.
> > I tried a lot of setup over her but nothing work!
> > Please any more info and help to solve this problem!
> >
> >
>
> Have you set the callsign's correct in Wisp ?
> BBS Callsign = 4XTECH-12
> Broadcast Callsign = 4XTECH-11
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

1945. Re: [amsat-bb] The Moon - bit off topic

Yahoo group: eu-amsat
Date: 2008-09-22 03:22:44 UTC
From: Luc Leblanc
Topic: 1945 Message: 1945

On 21 Sep 2008 at 13:39, JoAnne Maenpaa wrote:

> Hello everyone,
>
> I saw this on the moon-net reflector and posting it here for us space faring
> hams to enjoy it also ...
>
> http://sundry.i2phd.com/moon.pps
>
> It's a packaged-up powerpoint slide show featuring the moon.
>
> --
> 73 de JoAnne K9JKM
> k9jkm@...
>
>
>
>

Some are in the moon some are on the earth. A near IMAX video much better in full screen with your audio open better higher than lower.

Sit back and relax while waiting for the next HEO

http://video.thesecret.tv/windowsmedia/planet_earth.wmv

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1946. Re: [eu-amsat] Re: an old problem with go-32 bbs

Yahoo group: eu-amsat
Date: 2008-09-22 09:02:20 UTC
From: Thomas Frey
Topic: 1939 Message: 1946

st2nh schrieb:
> Hello Thomas
> Thank OM for reply
> Yes every thing was ok at the setup.
> The satellite listens to me every time I send an order to
> update my directory or to Downloaded any file! A text file or a
> photo etc.
> And some time the satellite put me in row with other stations
> As you can see in the photo I have add to photo section in the eu-
> amsat. Under name - pacsat download album.
> Every thing is ok except the sat refusing to upload my files.
> At the same time the setup over here works perfectly with AO-51 sat!
>
> Some friend says this problem may be from the TNC? But if there were
> any thing wrong in the TNC Why it's working perfectly on download
> side and not on upload side?
>
> I hope I can solve this problem ASAP! I really like to work the
> digital satellites.
>
> 73 de st2nh - Nader
>
>
>

Hello Nader

You are right, its not the TNC. I think its a software problem. You can delete GO-32 in Wisp completely and reopen it with its parameters. I hope this helps.

Or GO-32 is simply not accepting uploads ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1947. Re: an old problem with go-32 bbs

Yahoo group: eu-amsat
Date: 2008-09-22 21:26:10 UTC
From: st2nh
Topic: 1939 Message: 1947

Thank Thomas
I will try to install the old Pacsat software PB\PG!! Hope it will
works .
73 de st2nh - Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh schrieb:
> > Hello Thomas
> > Thank OM for reply
> > Yes every thing was ok at the setup.
> > The satellite listens to me every time I send an order to
> > update my directory or to Downloaded any file! A text file or a
> > photo etc.
> > And some time the satellite put me in row with other stations
> > As you can see in the photo I have add to photo section in the eu-
> > amsat. Under name - pacsat download album.
> > Every thing is ok except the sat refusing to upload my files.
> > At the same time the setup over here works perfectly with AO-51
sat!
> >
> > Some friend says this problem may be from the TNC? But if there
were
> > any thing wrong in the TNC Why it's working perfectly on download
> > side and not on upload side?
> >
> > I hope I can solve this problem ASAP! I really like to work the
> > digital satellites.
> >
> > 73 de st2nh - Nader
> >
> >
> >
>
> Hello Nader
>
> You are right, its not the TNC. I think its a software problem. You
can
> delete GO-32 in Wisp completely and reopen it with its parameters.
I hope
> this helps.
>
> Or GO-32 is simply not accepting uploads ?
>
>

>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

1948. TB2CUU email ?

Yahoo group: eu-amsat
Date: 2008-09-22 23:29:09 UTC
From: st2nh
Topic: 1948 Message: 1948

Does TB2CUU have an email address?
nothing at qrz.com only snail mail and phone !
73 - st2nh

1949. Re: [eu-amsat] TB2CUU email ?

Yahoo group: eu-amsat
Date: 2008-09-22 23:45:03 UTC
From: SV1BSX
Topic: 1948 Message: 1949

Hi Nader,

I found him on the following page:

http://www.trcallbook.org/callsign/TB2CUU

73, Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, September 23, 2008 2:29 AM
Subject: [eu-amsat] TB2CUU email ?

> Does TB2CUU have an email address?
> nothing at qrz.com only snail mail and phone !
> 73 - st2nh
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

1950. AO-51 L/U mode SSB/FM

Yahoo group: eu-amsat
Date: 2008-09-23 00:17:45 UTC
From: Luc Leblanc
Topic: 1950 Message: 1950

HI

Couple of pass with nobody but a lot of stations out of the passband. Just hear VE3NPC in the morning pass and a K3 station swishing on the
evening pass and me calling in the void!. The downlink audio is very very low i have to set the volume near the maximum to be able to hear
something. Don't use automatic doppler for the uplink as you will have to "clarify" the voice.

It is not a killer mode... but it help to see how your L band apparatus is working. I don't know why the audio is so low?

Any explanations are welcome

If any one got a recording i will be glad to hear it. I will try to record something tomorrow morning if i can get up early to start the
wood stove as they forecast a minimum of -2 overnight. Autumn is really on the 21st of september here!!!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1951. wisp help!!

Yahoo group: eu-amsat
Date: 2008-09-23 18:34:56 UTC
From: st2nh
Topic: 1951 Message: 1951

Hi all

I need a help form any wisp user (Groundstation Control Program)
I need a copy of those files ,for cross check up with my setup.

1- view-dir equations
2-MSPE-Equations
and
3- the right way of setup (message Maker setup)

Thanks in advance
My email st2nh@...

73 de st2nh - Nader

1952. AO-51 L/U SSB mode

Yahoo group: eu-amsat
Date: 2008-04-17 23:38:14 UTC
From: Luc Leblanc
Topic: 1952 Message: 1952

Hi

Something happen at 2300Z (1900EST) suddenly the audio level jump louder by a factor of 4 i have to reduce my volume level and i found my
TX audio was also much too loud... Now AO-51 look like AO-16 audio and QSO are manageable. I succeed to have one with Clare VE2NPC and i
also copy a lot of station but at the same floor level strength i used to have before my adjustment (see below).
Only Clare VE3NPC signal seems to get over this curious bottom floor level??

To be clearer all the station coming out the satellite are equal in strength? Only Clare was louder as a kind of AGC treshold seems to be
set too high making a kind of squelching effect?

I just made some adjustment here at the end of the afternoon in a hurry and from an uplink signal very marginal it became near Q5!!! i'm
not too sure what i done and if it is what i done who boost my uplink but i will have to make some test again as said something happen also
on the satellite at the same time?

More to come...and i was able to hear my downlink at LOS + 3'!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1953. AO-51 L/U SSB/FM mode

Yahoo group: eu-amsat
Date: 2008-09-24 15:14:19 UTC
From: Luc Leblanc
Topic: 1953 Message: 1953

On the morning pass i was able to have a QSO with WO3T Carm and VE3NPC Clare signal where good but manually adjusting the doppler became
more and and easy with the usage. I guess some adjustment where made live as the audio deviation swing and i think too much make only the
noise appears too high and it distorded the audio too much. The best setting is where the noise start to increased a bit.

I was able also to determine my transverter IF in zero beating my carrier and checking the frequency on a scope display. 1268.692,100 MHZ
equal to 144.01355MHZ on the exciter now i will have to figure out how to enter theses values in the tracking programs.

I was able also to confirm my last minute quick station modifications make's a huge difference on the uplink. My previous configuration was
the FT-847 driving the 1.2GHZ transverter who delivers about 3 watts into a downeast microwave 18 watts amp. The TX line was a 45 foot 5/8"
heliax feeding a 25 elements loop yagi. In this configuration my results where less than marginal.

Just before the evening pass i take the amplifier from the shack and i literally planted it over the heliax male connector at the antenna.
i wrap the amp and the 12V DC line in a clear plastic bag to be able to see if any moisture build up inside, as the amp heat sink became
quite hot.

Bingo my uplink is now quite good "lesson learn" put your amp at the antenna not in the shack... I don't figure out why there was so much
attenuation in the heliax? or it is a lossy coax jumper l used RG-214/U at both end only at the shack i have a SO-250 plug at the end of
the heliax where i should used an UHF to BNC adaptor??? Any ideas!

Finally this SSB L band experience was a good one and with the satellite deviation tweaking (Thank's to the control teams) this mode is
quite effective even if it still not a killer one.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1954. Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 16:45:36 UTC
From: John Hackett
Topic: 1954 Message: 1954

Hello Al,
Well I'll be a monkey's uncle - (or a dog's bollock).

As I mention earlier, after a couple of years of dwindling interest in satellites and having my fair share of DXCC's for various other modes I decided to finally throw in the towel ... so I *RIPPED* down all the aerials today.

You know my thoughts on FM satellites even though I did have the one QSO on AO-51 when it first came online - to see what the fuss was about.

I've listened occasionally since and noted amateur satellite operating at it's worst so have never added to the bedlam.

It was interesting to listen to the californian stations, with W0EEC and myself linked via the internet, comparing the American stations operating with the Europeans ... whom do *NOT* understand operating disipline ... and paradoxically seem to agree.

After I'd taken the aerials down it was unusually "bare" here so just for the hell of it I decided to see if my IC-E91 and Arrow aerial were any good in competition with the mountains, so I tried an upcoming pass on AO-51. I fired up the handheld and shook my pointy stick at the sky between the mountains.

After noting that the Russians still "hog" it with high power I managed to slip in by using the old QRP technique of tail ending and chucked out ... "de LA2QAA portable" ... with UA5JPB coming back immediately.

My impressions? ... not much has changed, everybody talking and nobody listening, everybody ignoring low power or portable stations, never leaving a break for portable stations, still complete chaos and bedlam where the - "mine's bigger than yours" - mentality rules supreme.

FM on an LEO ? ... very !!!! smart indeed.

When Eagle grinds to a (screeching) halt I really won't !!! be surprised if someone in the Amsat b.o.d. suggests a 13 to 3cm FM transponder for PSK31 on a new LEO - after all, you'd only need a new rig, new computer and new tracking program to work it.

I do believe Amsat will miss me as much as I miss them ... (sob)

(Sob as in weep - not !!! as in "son of a beech").

73 John. <la2qaa@...>

1955. Re: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 17:04:46 UTC
From: Simon Brown (KNS)
Topic: 1954 Message: 1955

FWIW I find some passes of SO-50 to be very quiet, some (but not all) AO-51 to be a bit of a circus.

As for FO-29 this afternoon - just a couple of stations!

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: John Hackett

My impressions? ... not much has changed, everybody talking and nobody listening, everybody ignoring low power or portable stations, never leaving a break for portable stations, still complete chaos and bedlam where the - "mine's bigger than yours" - mentality rules supreme.

1957. Re: Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 18:18:23 UTC
From: st2nh
Topic: 1954 Message: 1957

I think Most of the QRM on FM bird from poor receiving equipment!
I try echo tonight, I worked g7lga with 2degree elevation from my
QTH KK65GP
There were many stations from Europe in QRV the only QRM
I noticed came from the station who was try to tune up. For sure he
was not able to here our ongoing QSO before he pushed the PTT .

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> FWIW I find some passes of SO-50 to be very quiet, some (but not
all) AO-51 to be a bit of a circus.
>
> As for FO-29 this afternoon - just a couple of stations!
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
> ----- Original Message -----
> From: John Hackett
>
> My impressions? ... not much has changed, everybody talking and
nobody listening, everybody ignoring low power or portable stations,
never leaving a break for portable stations, still complete chaos and
bedlam where the - "mine's bigger than yours" - mentality rules
supreme.
>

1958. Re: [eu-amsat] Re: Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 18:21:09 UTC
From: Simon Brown (KNS)
Topic: 1954 Message: 1958

Very true - I was listening, crazy guys calling CQ even though there was a good, clear QSO in progress.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "st2nh" <st2nh@...>

> There were many stations from Europe in QRV the only QRM
> I noticed came from the station who was try to tune up. For sure he
> was not able to here our ongoing QSO before he pushed the PTT .

1959. Re: [eu-amsat] Re: Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 18:39:14 UTC
From: Thomas Frey
Topic: 1954 Message: 1959

Simon Brown (KNS) schrieb:
> Very true - I was listening, crazy guys calling CQ even though there was a
> good, clear QSO in progress.
>

This are the alligators - big mouth and no ears. (grosse Schnauze...) ;-)
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
>
>
>> There were many stations from Europe in QRV the only QRM
>> I noticed came from the station who was try to tune up. For sure he
>> was not able to here our ongoing QSO before he pushed the PTT .
>>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1960. RE: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 18:54:33 UTC
From: Dimitrios Pallis
Topic: 1954 Message: 1960

yes a HZ station called me on AO51 before one or two days (i dont remeber) and the Sat Zoo begun :(I lost the new one) Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comCC: eu-amsat@yahoogroups.comFrom: simon.brown@...: Wed, 24 Sep 2008 19:04:46 +0200Subject: Re: [eu-amsat] Monkey's uncle.

FWIW I find some passes of SO-50 to be very quiet, some (but not all) AO-51 to be a bit of a circus.

As for FO-29 this afternoon - just a couple of stations!

Simon Brown, HB9DRVwww.ham-radio-deluxe.com

----- Original Message -----
From: John Hackett My impressions? ... not much has changed, everybody talking and nobody listening, everybody ignoring low power or portable stations, never leaving a break for portable stations, still complete chaos and bedlam where the - "mine's bigger than yours" - mentality rules supreme.

_____
See how Windows Mobile brings your life together—at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

1961. Re: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-24 23:22:31 UTC
From: Luc Leblanc
Topic: 1954 Message: 1961

On 24 Sep 2008 at 18:45, John Hackett wrote:

>
> Hello Al,
> Well I'll be a monkey's uncle - (or a dog's bollock).
>
> As I mention earlier, after a couple of years of dwindling interest in satellites and having my fair share of DXCC's for various other modes
> I decided to finally throw in the towel ... so I *RIPPED* down all the aerials today.
>
Hi John

I would not want be put in the scavenger species! But if your intents about your aerials final destination is not yet ascertain. I am
always at the search of prey? Dead or alive and in their existing condition. Just in case the recycle bin is a possible destination for
your aerials. And as usual if it is not to cost prohibitive...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1962. Problem in mode change on AO-51

Yahoo group: eu-amsat
Date: 2008-09-25 00:21:39 UTC
From: Luc Leblanc
Topic: 1962 Message: 1962

Around 0008 UTC the change of mode on AO-51 from U/fm and L/usb to U/fm and L/fm seems to not working. The noise drop and only a carrier
remain on U where i was able to hear my downlink from 1278 usb very very weak. Switching my L uplink to FM produce also a very weak signal
but perfectly clear. Could be on the other west pass someone will be able to give some report.

Thank's

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1963. RE: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-25 07:04:47 UTC
From: John Hackett
Topic: 1954 Message: 1963

Hi Luc,
Scavenger? - by no means !!!. I only wish there was someone who 'could' use this gear ... I would give !!! it away immediately ...but unfortunately the cost of postage *IS* so prohibitive that the transceivers, aerials and cox will end up trashed.

I did offer the complete station - (several old but working transceivers) - plus preamps and coax to the radio club - (LA6K) - on the mainland but nobody could be bothered to drive the 10 kilometers to come and collect it.

No satellite-interested Hams in the area. Too expensive to start distributing by post to Finland and Sweden where there are !!! satellite Hams.

The rigs are so old nobody is interested these days. (FT-290/790 + home brew amps). Even the HF transceiver is an old IC-730.
I'll also be dumping 2 x old WIN 98 PC's and monitors.

I'd be more than happy to give all this gear away on a first come - first served basis but as I mentioned ... the cost of postage versus weight is *ABSOLUTELY* prohibitive, I simply can't afford to package, post and send via Ebay.

Wish !!! you lived around here Luc. Pretty stupid to have to dump this gear but what can I do ??.

I'll only be keeping the IC-E91 - (the only modern gear I have) - and an Arrow aerial ... just so I can keep plaguing the nice EU-Amsat folks - he he he - so I'll be biting the bullet and climbing down off my high horse to operate AO-51 occasionally ...
ARRRRRRRRRRRRRRRRRRRRGGGHHHHH !!!!!!!!!!!!!! ... FM.

He-he-he ... and yessssss folks, my subs *ARE* paid.

73 John. <la2qaa@...)

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 24 Sep 2008 19:22:31 -0400
Subject: Re: [eu-amsat] Monkey's uncle.

On 24 Sep 2008 at 18:45, John Hackett wrote:

>

> Hello Al,

> Well I'll be a monkey's uncle - (or a dog's bollock).

>

> As I mention earlier, after a couple of years of dwindling interest in satellites and having my fair share of DXCC's for various other modes

> I decided to finally throw in the towel ... so I *RIPPED* down all the aerials today.

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Hi John

I would not want be put in the scavenger species! But if your intents about your aerials final destination is not yet ascertain. I am

always at the search of prey? Dead or alive and in their existing condition. Just in case the recycle bin is a possible destination for

your aerials. And as usual if it is not to cost prohibitive...

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

1964. Re: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-25 07:23:16 UTC
From: Simon Brown (KNS)
Topic: 1954 Message: 1964

Quite a good AO-51 pass just now, very civilised. I guess the youngsters are all at work and the very old timers still in bed :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com
----- Original Message -----
From: John Hackett

I'll only be keeping the IC-E91 - (the only modern gear I have) - and an Arrow aerial ... just so I can keep plaguing the nice EU-Amsat folks - he he he - so I'll be biting the bullet and climbing down off my high horse to operate AO-51 occasionally ... ARRRRRRRRRRRRRRRRRRRRGGGHHHHH !!!!!!!!!!!!!! ... FM.

1965. Backpeddling.

Yahoo group: eu-amsat
Date: 2008-09-25 07:26:21 UTC
From: John Hackett
Topic: 1965 Message: 1965

Hello Al,

>Strange how nobody seemes to notice the bedlam on the birds until you
talk of throwing in the towel. Suddenly the problem is thrown into
sharp focus! Can't understand that attitude. It's *always* been
bedlam on the FM birds.

Absolutely right !!!.

The landlord did suggest I set up the aerials down at the bottom of the garden - but that would involve extra coax, rotor cabling and a *LOT* more signal loss ... I really can't be arsed - just to get a "report" on AO-7 - (where I can hear myself perfectly well anyway).

Nah, there's nowt up there now - (satellite-wise) - that captures my interest anymore. I've gotten tired of it.

Just for laughs I'll modify a PC headset/boom mic with a homebrew VOX and see if my puny little QRP can compete with the high powered - "lets 'hog' it" - alligators.

What a turn up for the books.

I never imagined myself waving a pointy stick at the sky - it looks ridiculous !!!!! ... but then, I've *ALWAYS* been a QRP man and given my health - (read: lack of) - even I can carry the IC-E91 and a broken-down Arrow.

The sole reason I'll do this is to prove that even with the FM capture effect QRP can !!! compete with the alligators providing there a good operator "stuck" on the end of the Arrow aerial.

42 years operating isn't a bad "innings" - like I mentioned before, I'm enjoying playing again - whad'ya mean !!!! "at my age" ...
if Kieth Richards can do it, why can't I ??.

PS.

I intend to carry on jacking up "this lot" in EU-Amsat - so the buggers arn't going to get rid of me that easily.

73 John. <la2qaa@...>

1966. Re: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-25 09:33:35 UTC
From: Thomas Frey
Topic: 1954 Message: 1966

John Hackett schrieb:
> Hi Luc,
> Scavenger? - by no means !!!. I only wish there was someone
> who 'could' use this gear ... I would give !!! it away immediately
> ...but unfortunately the cost of postage *IS* so prohibitive that the
> transceivers, aerials and cox will end up trashed.
>
> I did offer the complete station - (several old but working
> transceivers) - plus preamps and coax to the radio club - (LA6K) - on
> the mainland but nobody could be bothered to drive the 10 kilometers
> to come and collect it.
>
> No satellite-interested Hams in the area. Too expensive to start
> distributing by post to Finland and Sweden where there are !!!
> satellite Hams.
>
> The rigs are so old nobody is interested these days. (FT-290/790 +
> home brew amps). Even the HF transceiver is an old IC-730.
> I'll also be dumping 2 x old WIN 98 PC's and monitors.
>
> I'd be more than happy to give all this gear away on a first come -
> first served basis but as I m entioned ... the cost of postage versus
> weight is *ABSOLUTELY* prohibitive, I simply can't afford to package,
> post and send via Ebay.
>
> Wish !!! you lived around here Luc. Pretty stupid to have to dump this
> gear but what can I do ??.

Hi John

Does your radio club LA6K (http://nrrl.no/la6k/) not organise a flea market
once per year ? So you can bring your stuff to the flea market ?

>
> I'll only be keeping the IC-E91 - (the only modern gear I have) - and
> an Arrow aerial ... just so I can keep plaguing the nice EU-Amsat
> folks - he he he - so I'll be biting the bullet and climbing down off
> my high horse to operate AO-51 occasionally ...
> ARRRRRRRRRRRRRRRRRRRRGGGHHHHH !!!!!!!!!!!!!! ... FM.
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> He-he-he ... and yessssss folks, my subs *ARE* paid.
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> 73 John. <la2qaa@...)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1967. RE: [eu-amsat] Monkey's uncle.

Yahoo group: eu-amsat
Date: 2008-09-25 09:42:39 UTC
From: John Hackett
Topic: 1954 Message: 1967

Hi Thomas,
I wish they did !!! organise a boot sale or rally - then I could get rid of this gear in a sensible way. I'm *NOT* looking for any money for it. I'm perfectly happy to give it away FREE. It's just a terrible waste to throw away old but functioning-perfectly equipment when you consider the newcomers in other parts of the world who could use it.

My main problem is my health, I can't go collecting packing material etc so I can't "donate" it to other countries and I certainly can't afford the postage.

It's just one of those unfortunate circumstances Thomas.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Thu, 25 Sep 2008 11:33:35 +0200
Subject: Re: [eu-amsat] Monkey's uncle.

John Hackett schrieb:

> Hi Luc,

> Scavenger? - by no means !!!. I only wish there was someone

> who 'could' use this gear ... I would give !!! it away immediately

> ...but unfortunately the cost of postage *IS* so prohibitive that the

> transceivers, aerials and cox will end up trashed.

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> I did offer the complete station - (several old but working

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> satellite Hams.

>

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>

> He-he-he ... and yessssss folks, my subs *ARE* paid.

>

> 73 John. <la2qaa@amsat.org)

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

1968. Re: [amsat-bb] Re: AO-51 L/U FM operation

Yahoo group: eu-amsat
Date: 2008-09-26 12:15:04 UTC
From: Luc Leblanc
Topic: 1968 Message: 1968

On 25 Sep 2008 at 23:01, Greg D. wrote:

>
> Yup, it's working. Had a nice chat during the 02:46z pass with N6PAA this evening. We probably could work each other simplex
>(he's about 30 mi down the hill from me), but mode LU through AO-51 was significantly more fun.

My first morning pass 1123 UTC was Q5 and all his nominal on L/U FM mode Tracking is a lot less tricky i am not in a rush to have my uplink
and downlink doppler corrected...it was nearly like working on a local repeater! Only Carm WO3T show up and we enjoy a nice short QSO at
the end of his pass.

A bit of history now. My L band gear was the last pieces of equipment i get at the AO-40 time. The day before AO-40 became silent i was
making my 3 first QSO with one italian station and 2 german one. Signal where so loud that i have to put my dish off the satellite a bit in
a way to reduce my uplink signal. Unfortunately that was the end of great venture and the start of a money sunking one...There was even
some rumors circulating about "huge" signal hitting the satellite just prior his failure... We are all know now "I think" the sources of
the end of AO-40.

This L mode always intrigue me and if some EU station or South American station can be QRV it is possible to have international QSO at LOS
AOS.

As ISS will probably send SSTV picture in october i am tempted to test my SSTV capabilities? if the traffic remain low as it is actually
the pass is long enough the send at least one picture Is it a good idea? let me know. BTW It is not something to try on U/V mode!

P.S. I will use a very formal picture from my bank just to advise the potential prime time audience...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1969. VHF ITU submitted FRQS Shenzhou

Yahoo group: eu-amsat
Date: 2008-09-26 13:22:56 UTC
From: Luc Leblanc
Topic: 1969 Message: 1969

Downlink 294.3 and 299.3 MHz
Uplink 259.2 MHz and 260.2 MHz. FM! Max BW=1 MHz

Credit to Sven Grahn from Heasat mailing list
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1970. Explore the Ionosphere (from the safety of your own home)

Yahoo group: eu-amsat
Date: 2008-09-27 06:40:45 UTC
From: Luc Leblanc
Topic: 1970 Message: 1970

Hi!

thought you'd be interested in this story from Science@NASA: Today, NASA-funded researchers released to the general public a new "4D" live model of Earth's ionosphere.
Without leaving home, anyone can now fly through the layer of ionized gas that encircles Earth at the edge of space itself. All that's required is a connection to the Internet

http://science.nasa.gov/headlines/y2008/30apr_4dionosphere.htm?friend

It's crazy if it's working it will reignite my HF passion. Yous should have google earth running and try the radio section i fell on my XYZ just have to check live how it will really perform EG: Its a demo!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1971. The bitch is (almost) back.

Yahoo group: eu-amsat
Date: 2008-09-27 17:44:19 UTC
From: John Hackett
Topic: 1971 Message: 1971

Hello Al,
This ought to warm the cockles of your 'pump'.

As you know, when vexed, I'm a tenatious little sod - so I said SODDIT - my landlord is *NOT* going to squeeze me off the set-allites just because I had to make the beams "disappear".

I really don't feel like ending up on AO-51 FM so here's the deal.

QRPpp with the FT-290/790 pair + 15w homebrew amp to an Arrow mounted on a camera tripod through a window from a basement flat.

Oh aye !! ... no preamp !!! - (I gave 'em away to LA4XGA, together with the beams and rotor) - and no CAT interface to complicate things.

QR pee-pee, but I bet you a pound to a pich of dogdirt I *WILL* make a CW QSO or three on AO-7. I've done it before I can do it again.

I also kept the IC-730 ... but otherwise, everything ended up in the back of LA4XGA's truck - (I "inherited" a lot of microwave gear from 4XGA previously so it was only fair he got summat in return). He's finished with Meteor Scatter now and is concentrating 100% on EME these days.

So ... The bitch will very shortly be back.

I've moved the rigs to the other end of the flat so re-cabling is the order of the day

Give me a 'week' and I'll give you a 'weak' ...

(Satellite signal that is).

Chinks in space - RGR ... what's a spacesuit among friends?. Better than Amsat's !!! - (that one is full of dirty laundry).

73 John. <la2qaa@...>

1972. Re: [amsat-bb] Re: Advertising Shuttle Retransmission Faclities onAPRS

Yahoo group: eu-amsat
Date: 2008-10-02 03:30:13 UTC
From: Luc Leblanc
Topic: 1972 Message: 1972

On 1 Oct 2008 at 20:11, Robert Bruninga wrote:

>
> Any old TNC going back 20 years can be used to TX these
> announcements when your Retransmission is on the air. They can
> also be used to receive it if you are running any APRS software.
> But few people run full APRS mobile with a PC anymore, since the
> Kenwoods, Yaesu, and HAMHUD radios/devices make nice small
> displays...
>
> Bob, WB4APR
>
Hi Bob

A techies question!

With this redundant APRS circling around the same idea what i should tell to a young fellow (not a nerd) who with his cellular phone or
black berry and with cell phone 10-4 instant "CB" radio exchange, or with their internet browser capabilities files exchange, live video
chat and Hi DEF pictures exchange features and so on and so on. I am not even be able to cope with all the stuff coming out from this
"world"... As i said what i should tell him or her to make her or him to join the APRS band wagon? (not gang bang it is a bit easy to
convince on spring break...) That's probably where "file sharing" has been invented or diverted.

Yes APRS was a blast at a time but this" time" was equal to10 years in the 80's now it's not more than 1 1/2 year!!! Did HAM RADIO became
a senior hobby? Did we are so rusted that we always looking for the "easy solution"?

Ask Dr Phill you will say ? You got it! thumb's up APRS and LEO are in the same band wagon and they are not banging a lot anymore ;) but
as we say in french "On fait avec ce que nous avons" nothing more nothing less!

Can you imagine what you will do right now if there was no HAM satellite available? Are we living on borrowed time?

As one fellow wrote " I am moderated on bod (I thought anyone could send to bod?) so this may not
get to them." i posted this one on the following link:
http://groups.yahoo.com/group/eu-amsat/

The amateur radio free speech life buoy!

P.S. Did you hear the new alternate AMSAT bod member lately? Curiously silent lets called him "The silent partner"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1973. Messages.

Yahoo group: eu-amsat
Date: 2008-10-02 08:27:47 UTC
From: John Alan Hackett.
Topic: 1973 Message: 1973

Gentlemen,
(and the one lady). As you can see, in September
there were 169 posts to the reflector. Many of them useful to
the potential newcomer - which was the object of the exercise
in starting this group.

If the posts didn't always contain the exact information desired,
they very contained tips for further research.

Well done folks - keep banging away on the keys.

It would be particularly interesting if a few more Russian stations
could tell us what they're up to ... there's no lack of them on AO-51.
Perhaps our current eminent Russian members would like to pass the
word please ... a gentle wake-up call at 05:30 ?? ...

RIGHT !!! YOU BU**ERS - HANDS OFF YOUR C*CKS AND ON WITH YOUR SOCKS
IT'S A LOVELY MORNING AND THE BIRDS ARE CAUGHING THEIR BO**OCKS OFF.

73 John. <la2qaa@...>

1974. Wider audience.

Yahoo group: eu-amsat
Date: 2008-10-02 09:11:39 UTC
From: John Hackett
Topic: 1974 Message: 1974

Hello folks,
As soon as I saw this post on the Amsat-bb I thought it deserved a wider audience - so I've taken it upon myself to redistribute it to where it might continue to enlighten Joe public who is often of the opinion we're as bunch of wierdos.

Actually, I feel !!! like a wierdo when I'm waving my pointy stick at the sky and some old dodderer comes up and wants to know what Gabriel is up to today.
.....
...

Eric,
As well you know, I consider the educational mission of our birds of paramount importance. Don't forget to mention in your article how they're being used in the classroom to teach a wide variety of subjects.

A few which come to mind:

orbital mechanics
basic electronics
Newtonian physics
geography
linguistics
meteorology
cryptology
thermodynamics
solar dynamics
radio astronomy
earth science

I'm sure I've left out quite a few areas, but my point is, there's far
more for us to do through ham satellies than simply whistle into a
microphone!

73, Paul N6TX.
.....

73 John. <la2qaa@...>

1975. Re: FO-29 VE2DWE

Yahoo group: eu-amsat
Date: 2008-10-04 03:00:20 UTC
From: Luc Leblanc
Topic: 1975 Message: 1975

On 4 Oct 2008 at 4:38, i8cvs wrote:

> I All,
>
> Got a nice SSB QSO via FO-29 this night october 4 on skedule with Luc
> VE2DWE during orbit 59911 from 01:50 to 01:56 UTC when the bird
> was at the apogee about MA 128
>
> The contact like a conversation with Luc in FN36KA with me in JN70ES
> lasted about 6 minutes and the distance covered is 6742.8 km
>
> Signal reports were 5/6 to 5/7 and my maximum elevation was about 2.5
> degrees only.
>
> Discussing about a stuck relay with Luc was not a problem at all because
> both signals were not affected by QSB and no one word was losted.
>
> If someone in USA or Canada is interested to contact my grid square via
> FO-29 on CW or SSB please let me know off line.
>
> 73" de
>
> i8CVS Domenico
>
>
Hi Again Domenico

I just send you a message and FO-29 is having 3 mutual orbit by evening covering the east of North America up to the central US states and
all the Northern European continent with UK and Scandinavia at 10'!!! in the same footprint.

If there is some folks who are unable to sleep i will be QRV at 0333Z October 4 and as my friend Domenico i am also available for some
transatlantic satellite QSO'S

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

1976. any more?

Yahoo group: eu-amsat
Date: 2008-10-06 13:13:00 UTC
From: st2nh
Topic: 1976 Message: 1976

hi all
in very short time i got 34 dxcc
any more?
73 de st2nh

1977. Yubileiny has sent jubilee transmission

Yahoo group: eu-amsat
Date: 2008-10-06 14:32:02 UTC
From: Thomas Frey
Topic: 1977 Message: 1977

Hello all

Yubileiny (RS30) has sent a jubilee transmission last saturday at the 4th October. At this day was the 51. jubilee of Sputnik 1. You can listen in 2 short parts here: http://www.dk3wn.info/p/?p=1415

I have recorded the whole orbit 1664 into a 12 MB WAV-file with "Vox Actuated Recorder" from Nino Porcino.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1978. Re: any more?

Yahoo group: eu-amsat
Date: 2008-10-07 17:23:01 UTC
From: dh5mk
Topic: 1976 Message: 1978

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> hi all
> in very short time i got 34 dxcc
> any more?
> 73 de st2nh
>
Hello Nader!
what do you think about I´m going to activate i.e. 3A??? Only for you :-))

It´s everytime a pleasure to meet you!!

73 and hope to see you on O.S.C.A.R. !
Mike

1979. AO-7's party !

Yahoo group: eu-amsat
Date: 2008-10-07 19:18:49 UTC
From: SV1BSX
Topic: 1979 Message: 1979

Hello all,

today evening took place a "great party" on AO-7 !

During #55108 orbit (@ 18.00 Z) the treaffic was unbelievable!
And without serious problems from FM-ing ! That's GREAT !

I noticed 43 recorded QSOs on Emily's LOG !
And I have to laugh with Mike DH5MK, as the first page of LOG
was not enough for his.... 10 QSOs !!!!
So he opened another, a 2nd page for the last 2 QSOs !!! Amazing !
Ho ho ho... FB Mike !

Well done gentlemen !

It was a great party with the "Old girl" !

Wild & Heavy "Rock'n Roll" was heard on the air !!

73, Mak SV1BSX

PS: John where are you? you have lost all the fun !

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

1980. HRD .... tnx Simon

Yahoo group: eu-amsat
Date: 2008-10-07 20:20:25 UTC
From: st2nh
Topic: 1980 Message: 1980

I try HRD tracking satellite program .Really it is so nice program, thanks so much Simon brown HB9DRV for Keeping update the satellite section.

I wish if you can integrate with it a program to work with Pacsat . we has two satellites with This mode working now AO-51 and GO-32 and there well be a new one from china.

http://www.southgatearc.org/news/october2008/chinese_amateur_satellite.htm

Yes WISP is fine software , but for sure you will add more flavors and modernization if you integrate it with your famous HRD.

Many thanks for our AO-51 QSO FB OM.
73 de st2nh Nader

1981. Re: [eu-amsat] HRD .... tnx Simon

Yahoo group: eu-amsat
Date: 2008-10-07 20:44:00 UTC
From: Simon Brown (KNS)
Topic: 1980 Message: 1981

Hi Nader,

Sadly I really know nothing about Pacsat's protocols - what software would be integrated, can you or anyone help here?

My major desire would be to first be able to decode the telemetry.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "st2nh" <st2nh@...>
>
> I wish if you can integrate with it a program to work with Pacsat .
> we has two satellites with This mode working now AO-51 and GO-32 and
> there well be a new one from china.
>

1982. AO-7 Party.

Yahoo group: eu-amsat
Date: 2008-10-07 20:44:43 UTC
From: John Alan Hackett.
Topic: 1982 Message: 1982

Hi Mak,
Well ... I threw in the towel.

My AO-7 capable station is now permanently dismounted -
(no aerials).

I only kept a QRPp station - FT-790/290 pair + Arrow
aerial, also an IC-E91 for AO-51 ...

FM ... ARRRRRRRRGH !!!!.

I really don't believe we'll see an HEO in what's left of
my lifetime ... mainly due to the change in launch policy -
(read: cost).

73 John. <la2qaa@...>

1983. Re: HRD .... tnx Simon

Yahoo group: eu-amsat
Date: 2008-10-07 21:08:30 UTC
From: st2nh
Topic: 1980 Message: 1983

Hi Simon
Take a look to the previous DOS program of Pacsat
PB AND PG both at Amsat site.
Also you can download a full useable wisp program.

See some photo I posted lately at this site about Pacsat mail
You can receive text photo audio software etc via Pacsat

Digital satellite is the cream of satellite activity
Specially if you have a full computerize station.
Prepare your mail or replay for your mail and
go for you lunch , And when you came back to your station
you will found all your messages has been uploaded to satellite and
you have received a punch of a new mail from all the glob to read .
May if you tried once you well get the bug. I hope. HI HI

73 de st2nh nader

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> Hi Nader,
>
> Sadly I really know nothing about Pacsat's protocols - what
software would
> be integrated, can you or anyone help here?
>
> My major desire would be to first be able to decode the telemetry.
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
> >
> > I wish if you can integrate with it a program to work with
Pacsat .
> > we has two satellites with This mode working now AO-51 and GO-32
and
> > there well be a new one from china.
> >
>

1984. Digital satellites.

Yahoo group: eu-amsat
Date: 2008-10-07 21:45:58 UTC
From: John Alan Hackett.
Topic: 1984 Message: 1984

Nadar,
You said ...

>Digital satellite is the cream of satellite activity ...

I think you ought to have added IMHO - (in my honest
opinion).

I've been working satellites for a *VERY* long time
and have tried everything from a simple set-up to a fully
automated station - including of course the old Pacsats.

I always found 'digital' satellites extreemly boring - as did
quite a few other serious and experienced operators.

I much preferred 'manual' tuning so as not to fall asleep after
pushing a button. CW with the right hand and 'tracking and
tuning' the LEO's with the left, usually kept me 'awake'.

With the old PSK-1 and PB/PG you could !! fall asleep and let
the station do all the work - but like I said - personally, I
found it quite boring, with no skill element at all involved.

However - each to his own - that how it *SHOULD* be - IMHO.

73 John. <la2qaa@...>

1985. Re: Digital satellites.

Yahoo group: eu-amsat
Date: 2008-10-07 22:50:34 UTC
From: st2nh
Topic: 1984 Message: 1985

hi John
Yes I suppose to add
Digital satellite is the cream of satellite activity IMHO

May if we have more Pacsat around! No need to have WI FI net at my
shack
as long as i can post mail and update my keps IMHO

One of my kids became ham after I posted a message in front of him to
ISS BBS
I still remember exactly what he had said." Dad now your are a part
of all this big space station technology "

To recruit more young generation to our hobby, I think we need to
integrate more advance technical mode in our satellite communication
than to spending all our time correcting the Doppler and using the
second hand at an ancient mode key IMHO

How can I convene my youngest kids to became a ham as long as he
holds in his hands all the day a portable play station that contain
an internet link to play games around the globe at every time with
any kids ?

IMHO we need more advance technical mode ASAP to keep this hobby
going on.

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, "John Alan Hackett."
<archie.hackett@...> wrote:
>
> Nadar,
> You said ...
>
> >Digital satellite is the cream of satellite activity ...
>
> I think you ought to have added IMHO - (in my honest
> opinion).
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> I much preferred 'manual' tuning so as not to fall asleep after

> pushing a button. CW with the right hand and 'tracking and
> tuning' the LEO's with the left, usually kept me 'awake'.
>
> With the old PSK-1 and PB/PG you could !! fall asleep and let
> the station do all the work - but like I said - personally, I
> found it quite boring, with no skill element at all involved.
>
> However - each to his own - that how it *SHOULD* be - IMHO.
>
> 73 John. <la2qaa@...>
>

1986. Re: any more?

Yahoo group: eu-amsat
Date: 2008-10-07 23:44:23 UTC
From: st2nh
Topic: 1976 Message: 1986

WOW

Mike this is so kind from you, thank you very much.

I had a chat with some friend about getting a DXCC
On LEO satellites.

By pen and paper this can be so easy to be calculated.
If I work more European countries
Some of Asian countries, Middle East countries
And all African countries I can get more than 100 DXCC entities

BUT
Unfortunately there no so much activity from Africa
or middle east !

I worked last week 5R8KH
And some more friends will be on air (I hope soon)
Like 9G5ZS ,5X1DF,5Z4LA .

(Thanks Hal ZS6WB for information)

Thanks again mike

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, "dh5mk" <michael@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> > hi all
> > in very short time i got 34 dxcc
> > any more?
> > 73 de st2nh
> >
> Hello Nader!
> what do you think about I´m going to activate i.e. 3A??? Only for
you :-))
>
> It´s everytime a pleasure to meet you!!
>
> 73 and hope to see you on O.S.C.A.R. !
> Mike
>

1987. RE: [eu-amsat] Re: Digital satellites.

Yahoo group: eu-amsat
Date: 2008-10-08 10:20:29 UTC
From: John Hackett
Topic: 1984 Message: 1987

Hi Nader,

>I still remember exactly what he had said.
>" Dad now your are a part of all this big
>space station technology"

That really is the 'essence' Nader - excellent !!!.

We need to recruit more of the younger generation - that is PRECISELY !!! why Mak and I started the EU-Amsat group ... a lot of the other Amsat groups seemed to be fast becoming a rich (OLD) man's club.

I support *ANYTHING* that will get the youngsters interested ...
even the 'dreaded' one-eyed beast - FM ... ARRRRRRRRRGH !!!!.

I respect anyone who is passionate about their chosen field as you obviously are Nader. I can say quite honestly that had I been able to afford it, I too would have purchased a state-of-the-art satelliter transceiver..

Have a good day and enjoy the excellent company of the EU-Amsat members.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Tue, 7 Oct 2008 22:50:34 +0000
Subject: [eu-amsat] Re: Digital satellites.

hi John

Yes I suppose to add

Digital satellite is the cream of satellite activity IMHO

May if we have more Pacsat around! No need to have WI FI net at my

shack

as long as i can post mail and update my keps IMHO

One of my kids became ham after I posted a message in front of him to

ISS BBS

I still remember exactly what he had said." Dad now your are a part

of all this big space station technology "

To recruit more young generation to our hobby, I think we need to

integrate more advance technical mode in our satellite communication than to spending all our time correcting the Doppler and using the second hand at an ancient mode key IMHO

How can I convene my youngest kids to became a ham as long as he holds in his hands all the day a portable play station that contain an internet link to play games around the globe at every time with any kids ?

IMHO we need more advance technical mode ASAP to keep this hobby going on.

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, "John Alan Hackett." <archie.hackett@...> wrote:

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> Nadar,

> You said ...

>

> >Digital satellite is the cream of satellite activity ...

>

> I think you ought to have added IMHO - (in my honest

> opinion).

>

> I've been working satellites for a *VERY* long time

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> the station do all the work - but like I said - personally, I

> found it quite boring, with no skill element at all involved.

>

> However - each to his own - that how it *SHOULD* be - IMHO.

>

> 73 John. <la2qaa@...>

>

1988. PacSat Modems

Yahoo group: eu-amsat
Date: 2008-10-08 11:39:50 UTC
From: acoxe
Topic: 1988 Message: 1988

HI,

Does anyone have any recommendations for a modem to work the PacSat's?

Regards
Allen
LA0HT/VK6BFO

1989. Re: PacSat Modems

Yahoo group: eu-amsat
Date: 2008-10-08 12:40:00 UTC
From: st2nh
Topic: 1988 Message: 1989

Hi Allen

I'm using TNC3S from SYMEK. From Germany .

Check up this website of active ham operators on digital satellites
for more info.

http://www.dk3wn.info/uvhf.shtml

http://www.ne.jp/asahi/hamradio/je9pel/equipmen.htm

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, "acoxe" <acoxe@...> wrote:
>
> HI,
>
> Does anyone have any recommendations for a modem to work the
PacSat's?
>
> Regards
> Allen
> LA0HT/VK6BFO
>

1990. Re: [eu-amsat] Re: PacSat Modems

Yahoo group: eu-amsat
Date: 2008-10-08 14:36:32 UTC
From: Allen Coxe
Topic: 1988 Message: 1990

Thanks for the info Nader

----- Original Message ----
From: st2nh <st2nh@...>
To: eu-amsat@yahoogroups.com
Sent: Wednesday, 8 October, 2008 2:40:00 PM
Subject: [eu-amsat] Re: PacSat Modems

Hi Allen

I'm using TNC3S from SYMEK. From Germany .

Check up this website of active ham operators on digital satellites
for more info.

http://www.dk3wn. info/uvhf. shtml

http://www.ne. jp/asahi/ hamradio/ je9pel/equipmen. htm

73 de st2nh Nader

--- --- --- --- --- ---

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>
> HI,
>
> Does anyone have any recommendations for a modem to work the
PacSat's?
>
> Regards
> Allen
> LA0HT/VK6BFO
>

Make the switch to the world's best email. Get Yahoo!7 Mail! http://au.yahoo.com/y7mail

1991. http://www.southgatearc.org/ Error 404

Yahoo group: eu-amsat
Date: 2008-10-08 16:27:56 UTC
From: Thomas Frey
Topic: 1991 Message: 1991

Hello, I hope, an OM from the SARC is on this group (I think so).
http://www.southgatearc.org/ has a problem:

Not found - 404
URL requested (/) not found

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1992. Re: [eu-amsat] PacSat Modems

Yahoo group: eu-amsat
Date: 2008-10-08 20:24:03 UTC
From: Thomas Frey
Topic: 1988 Message: 1992

acoxe schrieb:
> HI,
>
> Does anyone have any recommendations for a modem to work the PacSat's?
>
> Regards
> Allen
> LA0HT/VK6BFO
>
>

Hello Allen

John, KD2BD, has also built the PacSat-Modems for 1200 bps and 9600 bps.
The first modems in the early 1990s was developed from James, G3RUH.
See Johns sites for 1200 bps Fuji modem:
http://www.amsat.org/amsat/articles/kd2bd/Pacsat_Modem/
and for the 9600 bps FSK modem:
http://www.amsat.org/amsat/articles/kd2bd/9k6modem/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

1993. Re: PacSat Modems

Yahoo group: eu-amsat
Date: 2008-10-08 20:48:57 UTC
From: st2nh
Topic: 1988 Message: 1993

Hi Allen
This link may help too!
http://www.amsat.org/amsat-new/echo/9600tnc.php

73 de st2nh

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> acoxe schrieb:
> > HI,
> >
> > Does anyone have any recommendations for a modem to work the
PacSat's?
> >
> > Regards
> > Allen
> > LA0HT/VK6BFO
> >
> >
>
> Hello Allen
>
> John, KD2BD, has also built the PacSat-Modems for 1200 bps and 9600
bps.
> The first modems in the early 1990s was developed from James, G3RUH.
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> http://www.amsat.org/amsat/articles/kd2bd/Pacsat_Modem/
> and for the 9600 bps FSK modem:
> http://www.amsat.org/amsat/articles/kd2bd/9k6modem/
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

1994. Re: [eu-amsat] http://www.southgatearc.org/ Error 404

Yahoo group: eu-amsat
Date: 2008-10-08 21:49:50 UTC
From: Trevor
Topic: 1991 Message: 1994

Hi Thomas,

Only just got back from work. Thanks for the email.

On Tuesday the website had Ten Thousand individual visitors and that blew the bandwidth limit of Internet Service Provider (ISP).

Obviously a solution to this is being urgently sought but it may be out for a couple of days.

BTW did you spot the item about last weeks IAC2008 event in Glasgow. OSCAR-6 got a brief mention in one of the presentations.

73 Trevor M5AKA

1995. Satellite Award from Europe ?

Yahoo group: eu-amsat
Date: 2008-10-09 11:02:45 UTC
From: st2nh
Topic: 1995 Message: 1995

Hi all

Is there any kind of satellite award from Europe? (A famous award)
Googling the net gave me few answers !!

73 de st2nh - Nader

1996. RE: [eu-amsat] Satellite Award from Europe ?

Yahoo group: eu-amsat
Date: 2008-10-09 11:28:57 UTC
From: John Hackett
Topic: 1995 Message: 1996

Hi Nader,
Two that I know about, and have are ...

The Sputnik Award (1997) issued by John G4HIA and Robert G3ATE.

Also ...

THE WARSAW SATELLITE AWARD (1998) issued by awards manager SP5FKW.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Thu, 9 Oct 2008 11:02:45 +0000
Subject: [eu-amsat] Satellite Award from Europe ?

Hi all

Is there any kind of satellite award from Europe? (A famous award)

Googling the net gave me few answers !!

73 de st2nh - Nader

1997. QRP on AO-7.

Yahoo group: eu-amsat
Date: 2008-10-09 11:56:53 UTC
From: John Hackett
Topic: 1995 Message: 1997

Hello folks,
Just a reminder - those 100w + amplifiers and 10 element beams do *NOT* belong on AO-7.

<http://www.observations.biz/Observations_from_Norway/observations_14_06_2008.htm>

73 John. <la2qaa@hotmail.com>

1998. Opps !!! ... KOKUP.

Yahoo group: eu-amsat
Date: 2008-10-09 12:25:17 UTC
From: John Hackett
Topic: 1998 Message: 1998

Gentlemen, (and Lady),
Yes, that was 'singular'.

The link I posted didn't work - (I'm *NOT* a computer wizard) - therefore- anyone interested can go to the LA2QAA/GM1SXX website at ...

<http://www.observations.biz/>

Click on ... OBSERVATIONS FROM NORWAY ... thereafter, click on the second article ... The LA2QAA QRP AO-7 station.

Yessssssssss, I know !!! - I deserve a kick in the goolies for making you "work" to find the article.

I grovel !!!.

73 John. <la2qaa@...>

1999. Re: [eu-amsat] Satellite Award from Europe ?

Yahoo group: eu-amsat
Date: 2008-10-09 12:41:37 UTC
From: SV1BSX
Topic: 1995 Message: 1999

Hi all,

that's a good idea to create somebody a new Award, ie "WAES" (Work All Europe /Satellite) ?

It could be famous, as the Europe has the biggest number of active countries on Satellites (....a mere example is the ZOO on AO-51 !!!!)

73, Mak SV1BSX
----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Thursday, October 09, 2008 2:28 PM
Subject: RE: [eu-amsat] Satellite Award from Europe ?

Hi Nader,
Two that I know about, and have are ...

The Sputnik Award (1997) issued by John G4HIA and Robert G3ATE.

Also ...

THE WARSAW SATELLITE AWARD (1998) issued by awards manager SP5FKW.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@yahoo.com
Date: Thu, 9 Oct 2008 11:02:45 +0000
Subject: [eu-amsat] Satellite Award from Europe ?

Hi all

Is there any kind of satellite award from Europe? (A famous award)
Googling the net gave me few answers !!

73 de st2nh - Nader

2000. Re: Satellite Award from Europe ?

Yahoo group: eu-amsat
Date: 2008-10-09 13:00:12 UTC
From: st2nh
Topic: 1995 Message: 2000

Hi Mak

good idea ,hat up
Many OM are her , who will do it ?

73 de st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi all,
>
> that's a good idea to create somebody a new Award, ie "WAES" (Work
All Europe /Satellite) ?
>
> It could be famous, as the Europe has the biggest number of active
countries on Satellites
> (....a mere example is the ZOO on AO-51 !!!!)
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> ----- Original Message -----
> From: John Hackett
> To: eu-amsat@yahoogroups.com
> Sent: Thursday, October 09, 2008 2:28 PM
> Subject: RE: [eu-amsat] Satellite Award from Europe ?
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> Hi Nader,
> Two that I know about, and have are ...
>
> The Sputnik Award (1997) issued by John G4HIA and Robert G3ATE.
>
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>
> THE WARSAW SATELLITE AWARD (1998) issued by awards manager SP5FKW.
>
> 73 John. <la2qaa@...>
>
>
>
>
> ----------

> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Thu, 9 Oct 2008 11:02:45 +0000
> Subject: [eu-amsat] Satellite Award from Europe ?

>
>
>
> Hi all
>
> Is there any kind of satellite award from Europe? (A famous award)
> Googling the net gave me few answers !!
>
> 73 de st2nh - Nader
>

2001. more members !

Yahoo group: eu-amsat
Date: 2008-10-09 13:16:24 UTC
From: st2nh
Topic: 2001 Message: 2001

Eu-amsat needs to forward an invitation for more European satellite operator to joint this group.
Somebody for sure has an email list to do that.
Members are only 124!!!

73 de st2nh

2002. Re: more members !

Yahoo group: eu-amsat
Date: 2008-10-09 13:33:14 UTC
From: Allan Copland
Topic: 2001 Message: 2002

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Eu-amsat needs to forward an invitation for more European satellite
> operator to joint this group.
> Somebody for sure has an email list to do that.
> Members are only 124!!

Hi Nader,

I don't see any problem with having *only* 124 members.
The purpose of setting up Eu-AMSAT was to provide a forum where free
thought would be tolerated without the excesses of the BB.

I think it has managed to do that pretty well.

So if you know of anyone who may want to join, by all means encourage
them to do so. That is how the current membership has reached 124.
FWIW I prefer the personal recommendation approach.

73 Al.
GM1SXX

2003. Soddin L.

Yahoo group: eu-amsat
Date: 2008-10-09 13:38:30 UTC
From: John Hackett
Topic: 2003 Message: 2003
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
This data was captured with the Holux bluetooth matchbox sized GPS receiver and VisualGPSXP - on the FLOOR !!! of a basement flat just a few minutes ago.

Points to ponder.

The built-in 1500Mhz 'aerial' is about 3mm in quadrature.
Note particularly the nine (9) !!! satellites reception.

I *WISH* there was some useful way to utilise this *telemetry' in amateur radio.

I'm aware of a couple of Yanks using the data to steer homebrew robots but I wish somebody would write a program useful to satellite orientated amateur radio operators.

73 John. <la2qaa@...>

2004. Re: more members !

Yahoo group: eu-amsat
Date: 2008-10-09 13:45:47 UTC
From: st2nh
Topic: 2001 Message: 2004

Hi Al

let other know what is going on
and 'Survival of the fittest' law well do the rest.
73 de st2nh

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...>
wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> > Eu-amsat needs to forward an invitation for more European
satellite
> > operator to joint this group.
> > Somebody for sure has an email list to do that.
> > Members are only 124!!
>
> Hi Nader,
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> The purpose of setting up Eu-AMSAT was to provide a forum where free
> thought would be tolerated without the excesses of the BB.
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> So if you know of anyone who may want to join, by all means
encourage
> them to do so. That is how the current membership has reached 124.
> FWIW I prefer the personal recommendation approach.
>
> 73 Al.
> GM1SXX
>

2005. Re: THE ZOO.

Yahoo group: eu-amsat
Date: 2008-10-09 13:58:44 UTC
From: John Hackett
Topic: 2001 Message: 2005

Hi all,
Actually, the standard of FM operating over the USA is *FAR* superior to that over Europe.

It can best be described in 3 words ... manners, manners and manners.

I listened to quite a few "live" contacts by curtesy of W0EEC
(before she became N1DID) and Echolink.

The American style of operating is rather like the old Royal Signals system of SSSHP -
(short, sharp, sh*t hot paces).

Callsign, locator, QSL (acknowledge) 73.

A far cry from the "waffling", "hogging" and "mine's bigger than your's" syndrome over
Europe.

I was considering writing a "proceedure for use" for AO-51 but on second thoughts I came to
the conclusion that I would be wasting my time.

The odd thing is - almost everyone seems to be aware of the problem ... but still it
continues.

The *THOUGHT FOR THE DAY* must surely be ... perhaps we should emulate the Americans on
AO-51 and use the SSSHP system - (see above).

Another "good operator" technique is to give the /P operators a chance. They're almost
always using a handheld tranceiver with 5 watts - (usually a lot nearer 3). A slight pause
between transmissions would allow the QRPp operators to break in.

Ohh, one more thing, how about using EARS !!!!.

(Listen ?? ... don't be daft !!!!, this is Europe.....GM1SXX).

73 John ... <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Thu, 9 Oct 2008 13:33:14 +0000
Subject: [eu-amsat] Re: more members !

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:

>

> Eu-amsat needs to forward an invitation for more European satellite

> operator to joint this group.

> Somebody for sure has an email list to do that.

> Members are only 124!!

Hi Nader,

I don't see any problem with having *only* 124 members.

The purpose of setting up Eu-AMSAT was to provide a forum where free

thought would be tolerated without the excesses of the BB.

I think it has managed to do that pretty well.

So if you know of anyone who may want to join, by all means encourage

them to do so. That is how the current membership has reached 124.

FWIW I prefer the personal recommendation approach.

73 Al.

GM1SXX

2006. Re: THE ZOO.

Yahoo group: eu-amsat
Date: 2008-10-09 14:20:18 UTC
From: st2nh
Topic: 2001 Message: 2006

> I was considering writing a "proceedure for use" for AO-51 but on
second thoughts I came to the conclusion that I would be wasting my
time.

Hi John
This way I suggest more members to share in this group
so you can forward any message (advice) to more operators .

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> Hi all,
> Actually, the standard of FM operating over the USA is
FAR superior to that over Europe.
>
> It can best be described in 3 words ... manners, manners and
manners.
>
> I listened to quite a few "live" contacts by curtesy of W0EEC
> (before she became N1DID) and Echolink.
>
> The American style of operating is rather like the old Royal
Signals system of SSSHP - (short, sharp, sh*t hot paces).
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> Callsign, locator, QSL (acknowledge) 73.
>
> A far cry from the "waffling", "hogging" and "mine's bigger than
your's" syndrome over Europe.
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time.
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problem ... but still it continues.
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> The *THOUGHT FOR THE DAY* must surely be ... perhaps we should
emulate the Americans on AO-51 and use the SSSHP system - (see above).
>
> Another "good operator" technique is to give the /P operators a
chance. They're almost always using a handheld tranceiver with 5
watts - (usually a lot nearer 3). A slight pause between
transmissions would allow the QRPp operators to break in.

>
> Ohh, one more thing, how about using EARS !!!!.
>
> (Listen ?? ... don't be daft !!!!, this is Europe.....GM1SXX).
>
> 73 John ... <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: allan_gm1sxx@...
> Date: Thu, 9 Oct 2008 13:33:14 +0000
> Subject: [eu-amsat] Re: more members !
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>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
>
> >
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>
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>
> Hi Nader,
>
>
>

> I don't see any problem with having *only* 124 members.
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>
> thought would be tolerated without the excesses of the BB.
>
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>
> I think it has managed to do that pretty well.
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> So if you know of anyone who may want to join, by all means
encourage
>
> them to do so. That is how the current membership has reached 124.
>
> FWIW I prefer the personal recommendation approach.
>
>
>
> 73 Al.
>
> GM1SXX
>

2007. Re: [eu-amsat] http://www.southgatearc.org/ Error 404

Yahoo group: eu-amsat
Date: 2008-10-09 16:47:21 UTC
From: Thomas Frey
Topic: 1991 Message: 2007

Trevor schrieb:
>
> BTW did you spot the item about last weeks IAC2008 event in Glasgow. OSCAR-6 got a brief mention in one of the presentations.
>
> 73 Trevor M5AKA
>

Hello Trevor

No, I had no infos. OSCAR-6 ?? Not OSCAR-7 ?

73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2008. More ZOO comments.

Yahoo group: eu-amsat
Date: 2008-10-09 17:11:37 UTC
From: John Hackett
Topic: 2001 Message: 2008

Hello Nader,
Many years ago, I used to write monthly columns in OSCAR NEWS and THE AMSAT JOURNAL - these two magazines alone had a readership of many thousands.

On several occasions, over a period of a few years, through my column I suggested to the editors of the various international Amsat publications that they compose "operating instructions" for the satellites - Pacsats as well as analogue voice - and offer these to the National Societies like the ARRL, RSGB, NRRL etc for publication in their society magazines as a helping hand for the potential newcomers.

I regret to say, my suggestions were ignored. That's the main reason I mentioned in my last post - I fear I'd be wasting my time writing an "instructions for use" for AO-51.

As I mentioned, almosy everyone seems to be aware of the problem - but still it continues.

Before "OBSERVATIONS" became a web-based forum. it was originally a monthly colum in Oscar News and The Amsat Journal.

These days it is an "ongoing" project as a FREE resource to the amateur satellite operator curtesy of myself and GM1SXX.

You'll find it at <http://www.observations.biz>

I'm old and tired now Nader, it's time for somebody with a bit more energy to carry the torch.

Observations is mine and Al's (GM1SXX) way of putting something back into the hobby - for the same reason, we started the EU-Amsat group together with Mak SV1BSX who first launched the concept.

SV1BSX Mak = member 1
LA2QAA John = member 2
GM1SXX Al = member 3

(I wrote the main-page text, Mak did the graphics, Al, as an IT "techie" does the bulk of the work on OBSERVATIONS.

What has ensued is a good example of three different countries working togetherfor the common good.

So you see ... we *ARE* contributing to Amsat - in our way. We try to teach by "example" - and as Al has already mentioned, our intention was to have a forum where people could express their opinions *WITHOUT* being flamed !!! by a bunch of people who *DON'T* share the same opinion.

It is my contention that the EU-Amsat group consists of a great bunch of people with a myriad of experience in all the various aspects of satellite operating ... from QRPp (me) to the BIG GUNS

(ES1RF) to offer the potential newcomer. We have members on all continents.

I believe we've acheaved what we set out to do.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Thu, 9 Oct 2008 14:20:18 +0000
Subject: [eu-amsat] Re: THE ZOO.

> I was considering writing a "proceedure for use" for AO-51 but on

second thoughts I came to the conclusion that I would be wasting my

time.

Hi John

This way I suggest more members to share in this group

so you can forward any message (advice) to more operators .

73 de st2nh Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

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> Actually, the standard of FM operating over the USA is

FAR superior to that over Europe.

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> (before she became N1DID) and Echolink.

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Signals system of SSSHP - (short, sharp, sh*t hot paces).

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> Callsign, locator, QSL (acknowledge) 73.

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> I was considering writing a "proceedure for use" for AO-51 but on second thoughts I came to the conclusion that I would be wasting my time.

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>

> (Listen ?? ... don't be daft !!!!, this is Europe.....GM1SXX).

>

> 73 John ... <la2qaa@...>

>

> To: eu-amsat@yahoogroups.com

> From: allan_gm1sxx@...

> Date: Thu, 9 Oct 2008 13:33:14 +0000

> Subject: [eu-amsat] Re: more members !

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> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:

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> >

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> > Eu-amsat needs to forward an invitation for more European

satellite

>

> > operator to joint this group.

>

> > Somebody for sure has an email list to do that.

>

> > Members are only 124!!

>

>

>

> Hi Nader,

>

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> I don't see any problem with having *only* 124 members.

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> thought would be tolerated without the excesses of the BB.

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>

> I think it has managed to do that pretty well.

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>

>

> So if you know of anyone who may want to join, by all means

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>

> them to do so. That is how the current membership has reached 124.

>

> FWIW I prefer the personal recommendation approach.

>

>

>

> 73 Al.

>

> GM1SXX

>

2009. Re: [eu-amsat] http://www.southgatearc.org/ Error 404

Yahoo group: eu-amsat
Date: 2008-10-09 20:10:21 UTC
From: Trevor
Topic: 1991 Message: 2009

--- On Thu, 9/10/08, Thomas Frey <th.frey@...> wrote:
> No, I had no infos. OSCAR-6 ?? Not OSCAR-7 ?

Hi Thomas,

It was only a very short mention of OSCAR-6 in one of the speeches at the event. For details and link to speech see:

http://www.southgatearc.org/news/october2008/small_satellites.htm

I know several AMSAT-UK members were at the event but I've been so busy over the last couple of weeks I've not had a chance to talk to any of them. Unfortunately it wasn't possible to have the RSGB Radio Communications demonstration vehicle there, equipped with full sat station for 144/435/2400 MHz. The original vehicle had to be decommissioned earlier in the year and although it's replacement was planned to be there in the end the time scales didn't permit it, see

http://www.southgatearc.org/news/october2008/gb4fun_being_fitted_out.htm

73 Trevor M5AKA

2010. Re: [eu-amsat] More ZOO comments.

Yahoo group: eu-amsat
Date: 2008-10-09 20:17:16 UTC
From: Trevor
Topic: 2001 Message: 2010

--- On Thu, 9/10/08, John Hackett <archie.hackett@...> wrote:
> I suggested to the editors of the various international Amsat
> publications that they compose "operating instructions" for the
> satellites - Pacsats as well as analogue voice - and offer these
> to the National Societies like the ARRL, RSGB, NRRL etc for
> publication in their society magazines as a helping hand for
> the potential newcomers.

Hi John,

I think the problem may be finding someone willing to actually write the articles.

I was glad that John Heath G7HIA was able to write an article on Getting Started on Amateur Radio Satellites for the RSGB's RadCom publication.

The PDF can be seen at:

http://www.uk.amsat.org/content/view/408/168/

73 Trevor M5AKA

2011. SSTV on ISS

Yahoo group: eu-amsat
Date: 2008-10-10 05:49:16 UTC
From: Luc Leblanc
Topic: 2011 Message: 2011

Excerpt from ARRL

ZCZC AS07
QST de W1AW
Space Bulletin 007 ARLS007
From ARRL Headquarters
Newington, CT October 9, 2008
To all radio amateurs

SB SPACE ARL ARLS007
ARLS007 Garriott Gears for Space Journey

On Sunday, October 12, Richard Garriott, W5KWQ, is scheduled to begin his journey to the International Space Station (ISS) as he blasts off into space via a Russian Soyuz and dock with the ISS two days later; he is due to return to Earth on Thursday, October 23. Richard, the sixth private citizen to be accepted by the Russian Federal Space Agency (RKA) for a short-term mission on the ISS, is the son of Owen Garriott, W5LFL.

In 1983, Owen was the very first ham to make QSOs from space. Richard said he plans to build on his father's legacy by also making QSOs from the ISS: He plans to perform several school contacts and downlink SSTV images during his flight, as well as contact the general ham community in his free time and perform random scout contacts during Jamboree on the Air (JOTA).

According to ARRL Amateur Radio on the International Space Station (ARISS) Program Manager Rosalie White, K1STO, excitement is building for this launch. "Richard and Owen have been working as a team to plan how to cram in all of the objectives Richard hopes to achieve in space, including scientific experiments."

Through White, Richard and Owen sent this message for all hams:

"We are both very pleased and appreciative of the ARISS and ARRL support in making the voice and SSTV ham operations more fun, interesting to the public, and valuable for research on Richard's flight this October. One of the most exciting aspects of living and working in space is the chance to look back at the Earth. Owen had one of the first opportunities to do this 35 years ago on Skylab. e also had the first opportunity to talk with the ham community from space 25 years ago aboard [NASA shuttle mission] STS-9. Richard now has the opportunity to connect with the ham community almost exactly 25 years after his father's shuttle flight and 35 years after Skylab. One of Richard's primary objectives with his flight is to photograph the Earth 35 years after the first orbital laboratory and

look for changes on the Earth in the intervening time. While Richard is at the ISS window, he will be operating the amateur SSTV equipment and sending its images down to hams around the world. These downlinks can then be sent to an ARISS central repository for delayed and wider use. We further expect to be able to compare many of the images with near simultaneous, handheld, high resolution digital photo images. We are very excited to share this experience with the Amateur Radio community, and thank our fellow hams for their support of this project."

The Garriott ham family

http://www.youtube.com/watch?v=ckAftDM5ecg

How to launch a ballon from the front of your QTH

http://www.youtube.com/watch?v=OchjOlLLOng

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2012. The radio graveyard.

Yahoo group: eu-amsat
Date: 2008-10-10 07:46:21 UTC
From: John Hackett
Topic: 2012 Message: 2012
Attachments: 2 described; binary payloads are missing from this source WARC

The radio graveyard - (stuffed in the cupboard).

Aint it just 'bare' without the satellite array.

The 'autumn' pic is where the array used to point - at the only direction I wasn't bogged down by mountains, North west Russia.

73 John. <la2qaa@...>

2013. RE: [eu-amsat] More ZOO comments.

Yahoo group: eu-amsat
Date: 2008-10-10 08:11:35 UTC
From: John Hackett
Topic: 2001 Message: 2013

Hello Trevor,
Well, in 1998 I actually wrote n entire book !!! ...
together with Al, GM1SXX entitled ... THE BEGINNER'S GUIDE TO AMATEUR RADIO SATELLITES.

It was a NON-PROFIT project paid for entirely by Al.

(Our way of "putting something back in").

It is also published on ...

<http://www.observations.biz>

It covered all aspects of amateur satellite operating as well as some aerial theory + some *VERY* unprofessional drawings by that LA2QAA fellow.

We distributed quite a few promotional copies to the various Amsat groups, even as far away as Australia, but unfortunately Amsat-UK showed no interest whatsoever.

I even believe there's a copy within this groups archives somewhere - Al would confirm or deny thist since he does the donkey work - (read: distribution of internet material) - and would have posted it to the archives ... I think !!! ... but don't quote me on it.

The material *IS* copyright so if anyone needs some extra kinder to start their fire they'll have to ask us first.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Thu, 9 Oct 2008 20:17:16 +0000
Subject: Re: [eu-amsat] More ZOO comments.

--- On Thu, 9/10/08, John Hackett <archie.hackett@...> wrote:

> I suggested to the editors of the various international Amsat

> publications that they compose "operating instructions" for the

> satellites - Pacsats as well as analogue voice - and offer these

> to the National Societies like the ARRL, RSGB, NRRL etc for

> publication in their society magazines as a helping hand for

> the potential newcomers.

Hi John,

I think the problem may be finding someone willing to actually write the articles.

I was glad that John Heath G7HIA was able to write an article on Getting Started on Amateur Radio Satellites for the RSGB's RadCom publication.

The PDF can be seen at:

http://www.uk.amsat.org/content/view/408/168/

73 Trevor M5AKA

2014. Information for beginners

Yahoo group: eu-amsat
Date: 2008-10-10 09:43:04 UTC
From: Allan Copland
Topic: 2014 Message: 2014

Hi,

With the current emphasis on helping beginners, I'd like to point to the following archive. We all have to start somewhere.

http://www.observations.biz/Satgen/index.htm

This is the work of John Branegan GM4IHJ (SK) who was a true enthusiast and satellite guru. Although this is a historical archive, much of the work is still of relevance.

The file satdex5 contains an index by subject.

73 Al.
GM1SXX

2015. THE DOG.

Yahoo group: eu-amsat
Date: 2008-10-10 09:56:50 UTC
From: John Hackett
Topic: 2015 Message: 2015

Trevor,
The link for the book I mentioned is at ...

<http://www.observations.biz/DOGS/index.htm>

Al informs me that Amsat-UK *DID* "shift" a fair amount of the afifthmentioned book.

Obviously, by now, it's *WELL* out of date and needs a rework ...
(as do LA2QAA & GM1AXX, so we're told, by the XYL's).

For the uninitiated: The title THE DOG was a "working" title for the book in the spirit of Wallace & Grommit ... "Satellite For Dogs"
(THE DOG, for short).

73 John.

2016. FW: Goo-Roo Stuff

Yahoo group: eu-amsat
Date: 2008-10-10 09:58:47 UTC
From: John Hackett
Topic: 2016 Message: 2016

Yez Sir,
I batted it straight across to the group.

73 John. (the other 50% of "The Twisted Pair")

From: allan_gm1sxx@...
To: archie.hackett@...
Subject: Goo-Roo Stuff
Date: Fri, 10 Oct 2008 09:37:31 +0000

This can be found at ...

http://www.observations.biz/Satgen/index.htm

I still rate it as one of the best pieces of work around for the satellite enthusiast.

Al.

Get Hotmail on your mobile from Vodafone Try it Now

2017. More stuff for beginners

Yahoo group: eu-amsat
Date: 2008-10-10 10:36:42 UTC
From: Allan Copland
Topic: 2017 Message: 2017

Hi Folks.

FWIW, I honestly don't believe there is any shortage whatsoever of material for beginners to Amateur Radio satellites.

Try..
http://www.amsat.org/amsat/intro/faqs.html

or how about this page...
http://www.amsat.org/amsat-new/information/faqs/

There are also various PPT presentations, should you find text too boring.

As the old saying goes... 'Google is your friend'.... just so long as you don't mind them building a saleable profile of your Internet surfing habits! It took me only seconds to find the above.. Think what a concerted effort might produce :-)

Really, it's just down to making a *very* small personal effort on your voyage of discovery. There's plenty of info out there... should you be motivated enough to type the odd word or two into Google.

Try ... amateur satellite + beginner ... and take it from there. Not very difficult really. Is it?

While you are Googling, have a look at K5OE's dirt cheap satellite aerials. They work... honestly. A search for K5OE should do the trick.

Wait!..... I've done it for you!
http://www.amsat.org/amsat-new/information/faqs/
It took at least 10 seconds of my remaining life on this planet to do that for you.

Honestly.... the web is awash with info for beginners. A little motivation is the key.

73 Al.
GM1SXX

2018. That 'missing link' to Jerry Brown's website

Yahoo group: eu-amsat
Date: 2008-10-10 10:57:39 UTC
From: Allan Copland
Topic: 2018 Message: 2018

http://members.aol.com/k5oe/index.htm?f=fs

Enjoy.

Al.

2019. Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-11 07:39:12 UTC
From: John Hackett
Topic: 2019 Message: 2019

Hello folks,
Here's another 'OBSERVATION FROM NORWAY'.

The Gentleman who wondered why Norway apparently never appears on ISS contacts might like to have a look at the ISS trajectory and orbit - then have a look at where Norway is situated on the globe ... err ... right !!!.

Apparently, I'm not the only QRPp'er. I suggest all serious satellite operators read ther following post 'snipped' from the Amsat-bb.

Why not give it a try, those 'bottle fed' on 100 watts and a 10 element beam just might get a surprise.

As I've mentioned previously (several times). the power you need working a satellite down on the horizon and working it 'overhead' is quite different. How many operators 'do' adhere to the "using only the required amount of power to maintain reliable communications" convention ??.

In these 'green' times there's a *LOT* of power being wasted ...

Think about it.

I can assure you, there's a lot more satisfaction 'working' at it rather than just turning the brain off and pushing a button.

William of Occam got it right . 'tis vain to do with more that which can be done with less'.

OBSERVATIONS applauds Tim N3TL.

73 John. <la2qaa@...>
.....
..

From: n3tl@...
To: AMSAT-BB@...
Date: Fri, 10 Oct 2008 15:08:49 +0000
Subject: [amsat-bb] How low can you go?

Hey Everyone,

This weekend, AO-51’s operations team is giving all of us who work the FM satellites a chance to answer the question in my post's title to our own satistaction.

Here, I’m reaching for a fresh set of Duracells! I’ll be running QRO on them this weekend, though – pumping all 300 milliwatts out of my VX-7R HT into the new Elk log periodic antenna I’ve been running through the ringer for a week – with really good results.

I challenge all of you who will be working the “QRP pair” on AO-51 this weekend to see how low you can go with the RF out and work the satellite. As many of you know, the Satellite Communications Achievement Award (No. 473) that just got posted to the AMSAT Web site for N3TL was earned solely on the basis of confirmed contacts I made while running 50 mW rf out of the VX-7R – on the same set of 2 AA Duracells. I’ll use the other alkaline-battery power setting this weekend, which is 300 mW.

One of the elements of this very low power work I find most exciting is trying to “reach out” as far as I can. For me, it’s not the distance from N3TL in EM84 to the other station I’m working on fractions of a watt that is important. Rather, it’s the range from my location to the satellite at the moment of contact. That tells an interesting story, I think. Example – During my Duracell Experiment, I worked Jim, KC9ELU, on AO-51 when the satellite was at 8.6 degrees elevation to my west. I use Orbitron to keep track of upcoming passes, and its simulation mode lets me go back, after a pass, and check stats from contacts. When Jim and I worked, my 50 mW traveled 2,482.003 km (1,542.245 miles) to the satellite. Do the math – that’s 49,640.06 km (30,844.9 miles) per watt. I don’t expect to get close to those numbers at all on 300 mW this weekend, but I’m anxious to find out.

I will post my farthest to-the-satellite distance that resulted in a two-way contact early next week. I hope others will do the same, including rf out and distance to the satellite during the contact. Not only is this fun (for me, at least), but it also provides a great test for our respective stations, letting us know “how low we can go” in, say, a true emergency and still complete effective communications. FYI – I always err on the side of caution when posting numbers like those above. That is, I always use the highest elevation/shortest range to my location. Even a few seconds during a contact has the satellites moving ever closer or ever farther from us, depending on which part of the passes our contacts occur. I use the highest angle/shortest range because I know it was no higher or no closer to me during the contact.

73 to all,

Tim – N3TL

2020. Re: Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-11 07:58:49 UTC
From: Bratu Florian Gabriel
Topic: 2019 Message: 2020

Total agree. For LEO ideal power is 10W. From 5 to maxim 30W is great.
I use a DR135 Alinco and usualy is set on 10W, using 30 only on
extreme conditions.
I think is very important to have separate tx and rx to control yourself.

2021. SSTV

Yahoo group: eu-amsat
Date: 2008-10-11 16:22:40 UTC
From: Bratu Florian Gabriel
Topic: 2021 Message: 2021

Enebody have capabilities for transmit on AO51 23cm uplink in SSTV?
--I have only SSTV RX mode.HI.....
I think will be interesting for some tests.

2022. RE: [eu-amsat] SSTV

Yahoo group: eu-amsat
Date: 2008-10-11 16:23:54 UTC
From: Dimitrios Pallis
Topic: 2021 Message: 2022

It was Satellite zoo again!!!! Ok5DE was calling voice all the pass!!!!! Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: yo9gjx@...: Sat, 11 Oct 2008 16:22:40 +0000Subject: [eu-amsat] SSTV

Enebody have capabilities for transmit on AO51 23cm uplink in SSTV?--I have only SSTV RX mode.HI.....I think will be interesting for some tests.

_____
See how Windows Mobile brings your life together—at home, work, or on the go.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/

2023. Re: SSTV

Yahoo group: eu-amsat
Date: 2008-10-11 18:27:24 UTC
From: st2nh
Topic: 2021 Message: 2023

```
I wake up so early to work echo 51 in sstv mode but
a big gun station was calling CQ in phone mode .
I'm in a bad (mode) .
```

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis <mc90606@...> wrote:
>
>
> It was Satellite zoo again!!!! Ok5DE was calling voice all the
pass!!!!! Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com
>
> To: eu-amsat@...: yo9gjx@...: Sat, 11 Oct 2008 16:22:40
+0000Subject: [eu-amsat] SSTV
>
>
>
>
> Enebody have capabilities for transmit on AO51 23cm uplink in SSTV?-
-I have only SSTV RX mode.HI.....I think will be interesting for
some tests.
>
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>
> _____
> See how Windows Mobile brings your life together□at home, work, or
on the go.
> http://clk.atdmt.com/MRT/go/msnnkwxp1020093182mrt/direct/01/
>

2024. Lets do better.

Yahoo group: eu-amsat
Date: 2008-10-11 18:48:54 UTC
From: John Hackett
Topic: 2024 Message: 2024

Gentlemen (and Lady),

The majority of satellite operators who are members of this group are experienced operators and generally *DO NOT* contribute to the QRM and poor operating standard on AO-51 over Europe.

In Thailand, Canada,Mexico and The USA, they have no problem whatsoever to consistently work others using 1 watt of RF power.

I'm ashamed to say, here in Europe, a 50w station very often can't get into AO-51. What makes we Europeans worse than the rest of the world ??. IMHO a poor standard of operating.

I am *NOT* going to "preach" like a self proclaimed "policeman" - I just want to remind people of the two main "faults" with European satellite operating - namely, excessive power and poor operating technique - sometimes resulting in plain old fashioned bad manners.

The "bottle-fed" 100 watts to a rusty nail alligators quite often just don't 'know' any better. They assume it's like HF, where *POWER* is the status multiplier. On satellites, the opposite is true.

Therefore, these operators need educating. I respectfully suggest that we challenge *EVERY* AO-51 operator to*REDUCE* their power by 3 dB ... (that means reduce the power by half). If *EVERYBODY* on AO-51 does this we will be a *LONG* way towards combatting the main *PROBLEM* on this satellite.

We're all aware of the capture effect of FM. The way to increase the throughput is ...

1) The old QRP technique of "tail-ending".

2) The "good" operators leaving a short break after each over ...

... to see if there is a QRPp or portable station trying to get into the satellite.

If you want to ragchew, AO-51 is *NOT* the place to do it. If you absolutely *MUST* contact the same station everyday, please QSY to VO-52 or AO-7 and leave AO-51 to the "short contact" folks, that's the only thing FM modulation on a satellite is good for - unless you're still in the military - but we needn't go into that.

C'mon chaps ... if you're running more than 5 watts, give the QRP lads a chance.

Let's show the rest of the world that Europeans *CAN* operate, why don't we try a 1 QSO per pass in the periods marked out by the control stations for QRP operating.

These periods *HAVE* been abused by the high power boys ... (if you're using 20 watts, you're a high power boy) ... as GM1SXX always says -"aluminium is cheap" ... use a decent aerial !!!.

If 1 watt on an Arrow aerial can do it with a decent signal, so can 100mW to a 10db gain aerial ... or any equivalent permutaion of the figures ... that's 10 watts to a 0 (zero) dB gain aerial ... yessssssss, I know !!!! ... theory v practice etc ... but you really *DON'T* !!! need a lot of power.

Try reducing your power by *HALF* and see what happens.

Remember !!!! ... "overhead" you'll need *LESS* than half the power you need "at the horizon".

Let's "educate" those operators who simply just don't know.

The LIDS we can't do very much about - it's a personal choice as to what kind of operator you are.

73 John. <la2qaa@...>

2025. More African QSOs on sat

Yahoo group: eu-amsat
Date: 2008-10-12 08:54:54 UTC
From: st2nh
Topic: 1976 Message: 2025

Hi all
Share with me my happiness.
I got more 3 new DXCC!
My total DXCC entities now 37 .

I worked
FR5DN
5R8KH
TR8CA

.....Any more?

(Thanks Hul- ZS6WB for info and support)

73 Nader ☐ st2nh

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> hi all
> in very short time i got 34 dxcc
> any more?
> 73 de st2nh
>

2026. duplication of QSO on FM sat

Yahoo group: eu-amsat
Date: 2008-10-12 10:30:21 UTC
From: st2nh
Topic: 2026 Message: 2026

I think the best way to work FM bird in congested area like Europe is to avoid duplication of QSO every day with the same station worked before, Let us listen for a new one. Every one sends up his callsign and listens.
Yes it's good to say hello to a friend when ever you hear him .we can do that on transponders sat .or let us conceder saying my callsign after I hear your call is a mark for greeting on FM bird .

73 de st2nh Nader

2027. RE: [eu-amsat] duplication of QSO on FM sat

Yahoo group: eu-amsat
Date: 2008-10-12 10:45:41 UTC
From: Dimitrios Pallis
Topic: 2026 Message: 2027

I THINK that is the best proposal i have ever heard!!
And of course if for example do a qso with nader or another one difficult DXcc i must stop calling other stations and let the others to have the oportunity to talk with nader .
I was trying to make a qso with a Saudi Arabia stations for about 6 months. (thank you Nader for helping me) The problem was that i heard the same STRONG stations to make the same qso on same satellite twice a day!!!
If you search youtube you will see a lot of videos with americans making qso with portable rigs like VX7 or D7. Here in europe this is imposible!!!!!
I love SSB Satellites (linear transponders) but AO51 has a very very critical role. BEcause it is strong and reliable is the perfect bird for newcomers but if the big guns still use it like today, new comers may disapointed. As me in the beggining and of course i had Mak Sv1bsx to help me and to give me advices or hopes for making a qso.... Think that if there wasnt MAk may i had leave the birds!!!
So we must help new comers to make qso and let work the bird with low power (5watts), without making long time qsos etc etc and of course we had to read the schedule!!! because yesterday was a tragedy while we was trying to recieve SSTV some guys was calling phone!!!Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: st2nh@...: Sun, 12 Oct 2008 10:30:21 +0000Subject: [eu-amsat] duplication of QSO on FM sat

I think the best way to work FM bird in congested area like Europe is to avoid duplication of QSO every day with the same station worked before, Let us listen for a new one. Every one sends up his callsign and listens.Yes it's good to say hello to a friend when ever you hear him .we can do that on transponders sat .or let us conceder saying my callsign after I hear your call is a mark for greeting on FM bird . 73 de st2nh Nader

_____
Stay up to date on your PC, the Web, and your mobile phone with Windows Live.
http://clk.atdmt.com/MRT/go/msnnkwxp1020093185mrt/direct/01/

2028. PD0RKC RECEIVED ISS SSTV

Yahoo group: eu-amsat
Date: 2008-10-12 17:34:13 UTC
From: st2nh
Topic: 2028 Message: 2028

```
Cor just posted this at amsat bb
-------------------------------------
Hello All,

I just received an ISS SSTV image at 12 Oct. 2008 (16:56UTC).
Orbit number 56.702.
http://iss.ontwikkel.nl/ISSTV/12Oct2008_1656UTC_ISS_orbit_56702a.jpg

73's Cor PD0RKC
Ham Radio In Space: http://iss.ontwikkel.nl

SOURSE AMSAT-BB
-------------------------------------
73 DE ST2NH
```

2029. SSTV images from AO51

Yahoo group: eu-amsat
Date: 2008-10-12 19:02:32 UTC
From: Dimitrios Pallis
Topic: 2028 Message: 2029

Today I recieved two images from AO51's activity
You can see the images on that link bellow:

http://www.sw1jgw.com/SSTV/SSTV.htm

I used Ham Radio DEluxe for Doppler Corection and DM780 for Image Decoding
I recomend you to download the last beta version of Ham Radio Deluxe (DM780 Included) for Robot 36 decoding

73 JIMMYDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: st2nh@...: Sun, 12 Oct 2008 17:34:13 +0000Subject: [eu-amsat] PD0RKC RECEVIVED ISS SSTV

Cor just posted this at amsat bb----------Hello All,I just received an ISS SSTV image at 12 Oct. 2008 (16:56UTC).Orbit number 56.702.http://iss.ontwikkel.nl/ISSTV/12Oct2008_1656UTC_ISS_orbit_56702a.jpg73's Cor PD0RKCHam Radio In Space: http://iss.ontwikkel.nlSOURSE AMSAT-BB----------73 DE ST2NH

_____
Want to do more with Windows Live? Learn “10 hidden secrets” from Jamie.
http://windowslive.com/connect/post/jamiethomson.spaces.live.com-Blog-cns!550F681DAD532637!5295.entry?ocid=TXT_TAGLM_WL_domore_092008

2030. Re: SSTV images from AO51

Yahoo group: eu-amsat
Date: 2008-10-12 20:01:38 UTC
From: st2nh
Topic: 2028 Message: 2030

Nice and well done Jimmy
keep up the great work OM
73 de st2nh

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis <mc90606@...> wrote:
>
>
> Today I recieved two images from AO51's activity
> You can see the images on that link bellow:
>
> http://www.sw1jgw.com/SSTV/SSTV.htm
>
> I used Ham Radio DEluxe for Doppler Corection and DM780 for Image
Decoding
> I recomend you to download the last beta version of Ham Radio
Deluxe (DM780 Included) for Robot 36 decoding
>
> 73 JIMMYDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com
>
>
>
> To: eu-amsat@...: st2nh@...: Sun, 12 Oct 2008 17:34:13
+0000Subject: [eu-amsat] PD0RKC RECEVIVED ISS SSTV
>
>
>
>
> Cor just posted this at amsat bb-----------------------------------
-Hello All,I just received an ISS SSTV image at 12 Oct. 2008
(16:56UTC).Orbit number
56.702.http://iss.ontwikkel.nl/ISSTV/12Oct2008_1656UTC_ISS_orbit_56702
a.jpg73's Cor PD0RKCHam Radio In Space: http://iss.ontwikkel.nlSOURSE
AMSAT-BB-----------------------------------73 DE ST2NH
>
>
>
>
>
> _____
> Want to do more with Windows Live? Learn "10 hidden secrets" from
Jamie.
> http://windowslive.com/connect/post/jamiethomson.spaces.live.com-
Blog-cns!550F681DAD532637!5295.entry?ocid=TXT_TAGLM_WL_domore_092008
>

2031. SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 06:09:25 UTC
From: st2nh
Topic: 2031 Message: 2031

Several operators are reporting that ISS is transmitting test images today (Oct 12) beginning about 1700 UTC. Two formats have been reported. Robot-36 (which is anticipated for most of Garriott's flight) and Martin-1. Several operators have uploaded these test images to the ARISS SSTV gallery.

http://www.amsat.com/ARISS_SSTV/

These test images will likely be removed to make way for the Garriott images when they begin coming down.

sourse
http://ariss-sstv.blogspot.com/

---
73 de st2nh

2032. 40KG Chinese microsat.

Yahoo group: eu-amsat
Date: 2008-10-13 12:04:05 UTC
From: Allan Copland
Topic: 2032 Message: 2032

Hi Folks,

Does anyone in the group have info on this bird, especially frequencies used? I'd imagine it transmits in the military VHF or UHF allocations.

This from Space Daily.

73 Al.
SXX
==========

Release of miniaturized satellite

A miniaturized satellite was released during the mission on September 27 at 19:24, after Zhai returned to the spacecraft. The satellite was a cube about 40 cm (16 in) long, with a mass of 40 kilograms (88 lb); it carried boost devices and two 150-megapixel stereo cameras.[22] The satellite's tasks included testing the mini-satellite technology, observing and monitoring the spacecraft, and testing the tracking and approaching technology used for space rendezvous and docking.[23]

According to the mission plans, the miniaturized satellite will first take photos and videos near the spacecraft, then maneuver to about 100 to 200 kilometres (62 to 120 mi) away from the spacecraft. After the return module separates from the spacecraft and re-enters the atmosphere, the satellite will catch up to the orbiting spacecraft using a liquid ammonia engine, then continue to orbit near the spacecraft. The mini-satellite will work for about three months.[24]

2033. Re: 40KG Chinese microsat.

Yahoo group: eu-amsat
Date: 2008-10-13 12:06:19 UTC
From: Allan Copland
Topic: 2032 Message: 2033

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>

> ==========
>
> Release of miniaturized satellite
>
> A miniaturized satellite was released during the mission on September
> 27 at 19:24, after Zhai returned to the spacecraft. The satellite was
> a cube about 40 cm (16 in) long, with a mass of 40 kilograms (88 lb);

I should have added that is was released from Shenzhou-7 on the recent
Chinese space-walking mission.

73 Al.

2034. Re: SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 14:29:33 UTC
From: Bratu Florian Gabriel
Topic: 2031 Message: 2034

Well i see the images from ISS on the site but i didn't here enething in my location. Possible was a wrong frequency.HI So my friends what is the frequency for SSTV downlink from ISS?
I make some reception on AO51 using 6 el. Yagi and software QSSTV.
They are in Photos directory also on Dimitrios site www.sw1jgw.com
73!

2035. Re: SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 14:42:18 UTC
From: st2nh
Topic: 2031 Message: 2035

HI Bratu -yo9gjx

the issfanclub website include any information you need about ISS
http://www.issfanclub.com/

frequency is 145.800 mhz
see also this link
http://www.issfanclub.com/status/?mode=sstv

73 de st2nh

--- In eu-amsat@yahoogroups.com, "Bratu Florian Gabriel" <yo9gjx@...>
wrote:
>
> Well i see the images from ISS on the site but i didn't here enething
> in my location. Possible was a wrong frequency.HI So my friends what
> is the frequency for SSTV downlink from ISS?
> I make some reception on AO51 using 6 el. Yagi and software QSSTV.
> They are in Photos directory also on Dimitrios site www.sw1jgw.com
> 73!
>

2036. Re: [eu-amsat] Re: SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 15:09:35 UTC
From: SV1BSX
Topic: 2031 Message: 2036

Hello Florian,

the last pass of ISS (~14:17 Z) was perfect for my location, however I
heard nothing !
The frequency is 144.800.

Keep in mind, Dimitris SW1JGW received pictures from AO-51, NOT from ISS :

http://www.sw1jgw.com/SSTV/SSTV.htm

73, Mak SV1BSX

----- Original Message -----
From: "Bratu Florian Gabriel" <yo9gjx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, October 13, 2008 5:29 PM
Subject: [eu-amsat] Re: SSTV test images received

> Well i see the images from ISS on the site but i didn't here enething
> in my location. Possible was a wrong frequency.HI So my friends what
> is the frequency for SSTV downlink from ISS?
> I make some reception on AO51 using 6 el. Yagi and software QSSTV.
> They are in Photos directory also on Dimitrios site www.sw1jgw.com
> 73!
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

2037. Re: [eu-amsat] Re: SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 16:06:03 UTC
From: Thomas Frey
Topic: 2031 Message: 2037

SV1BSX schrieb:
> Hello Florian,
>
> the last pass of ISS (~14:17 Z) was perfect for my location, however I
> heard nothing !
> The frequency is 144.800.
>

Hello Mak and all

The Downlink is 1 MHz higher on 145.800 ! Or is this a typical typo
from 2m SSB DXers ?

> Keep in mind, Dimitris SW1JGW received pictures from AO-51, NOT from ISS :
>
> http://www.sw1jgw.com/SSTV/SSTV.htm
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "Bratu Florian Gabriel" <yo9gjx@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Monday, October 13, 2008 5:29 PM
> Subject: [eu-amsat] Re: SSTV test images received
>
>
>
>> Well i see the images from ISS on the site but i didn't here enething
>> in my location. Possible was a wrong frequency.HI So my friends what
>> is the frequency for SSTV downlink from ISS?
>> I make some reception on AO51 using 6 el. Yagi and software QSSTV.
>> They are in Photos directory also on Dimitrios site www.sw1jgw.com
>> 73!
>>
>>
>> ------------------------------------
>>
>> Yahoo! Groups Links
>>
>>
>>
>>

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2038. Re: [eu-amsat] Re: SSTV test images received

Yahoo group: eu-amsat
Date: 2008-10-13 16:12:01 UTC
From: SV1BSX
Topic: 2031 Message: 2038

Oups !!

RIGHT !!

Sorry, wrong "typeset" on my keyboard !

Tks Thomas for correction.

73, Mak SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Monday, October 13, 2008 7:06 PM
Subject: Re: [eu-amsat] Re: SSTV test images received

> SV1BSX schrieb:
>> Hello Florian,
>>
>> the last pass of ISS (~14:17 Z) was perfect for my location, however I
>> heard nothing !
>> The frequency is 144.800.
>>
>
> Hello Mak and all
>
> The Downlink is 1 MHz higher on 145.800 ! Or is this a typical typo
> from 2m SSB DXers ?
>
>> Keep in mind, Dimitris SW1JGW received pictures from AO-51, NOT from ISS
>> :
>>
>> http://www.sw1jgw.com/SSTV/SSTV.htm
>>
>> 73, Mak SV1BSX
>>
>>
>> ----- Original Message -----
>> From: "Bratu Florian Gabriel" <yo9gjx@...>
>> To: <eu-amsat@yahoogroups.com>
>> Sent: Monday, October 13, 2008 5:29 PM
>> Subject: [eu-amsat] Re: SSTV test images received
>>
>>
>>
>>> Well i see the images from ISS on the site but i didn't here enething

>>> in my location. Possible was a wrong frequency.HI So my friends what
>>> is the frequency for SSTV downlink from ISS?
>>> I make some reception on AO51 using 6 el. Yagi and software QSSTV.
>>> They are in Photos directory also on Dimitrios site www.sw1jgw.com
>>> 73!
>>>
>>>
>>> ---
>>>
>>> Yahoo! Groups Links
>>>
>>>
>>>
>>>
>
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ---
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
> ---
>
> Yahoo! Groups Links
>
>
>

2039. 1st QRP on sat from Europe

Yahoo group: eu-amsat
Date: 2008-10-13 18:42:57 UTC
From: st2nh
Topic: 2039 Message: 2039

Hi all

The 1st QRP station I worked from Europe on AO-51 today at 16:23z
YO2LZP /QRP- Vlad, he was 5/9 at KK65GP and my signal was 4/1 at
KN05OS.

I'm using a pre Amp, out put power 10 Watts to a homebrew antenna
6 horizontal elements on vhf and 12 vertical elements on uhf on same
boom.

Vlad said he was Using 5 Watts and homebrew antenna.
You can listen to audio file at
http://www.st2nh.com/QRPSATQSO.wav

On the same pass there was a heavy QRM from some kind of
telecommunicating equipments !may be from some where in North Africa!
QRM audio file
http://www.st2nh.com/qrmonao-51.wav

73 de Nader ☐ st2nh

2040. Re: [eu-amsat] Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-14 00:22:13 UTC
From: Luc Leblanc
Topic: 2019 Message: 2040

On 11 Oct 2008 at 9:39, John Hackett wrote:

>
> As I've mentioned previously (several times). the power you need working a satellite down on the horizon and working it 'overhead' is quite different.
>How many operators 'do' adhere to the "using only the required amount of power to maintain reliable communications" convention ??.
>
> In these 'green' times there's a *LOT* of power being wasted ...
>
It take's time to understand the "using only the required amount of power to maintain reliable communications" but when this concept is
discovered it is only to see that as soon as you adhere to it you became "alone" on the birds as many "including the veterans" are not
doing it! Even those on CW!!! i should rather wrote "especially" i don't know why on satellite CW make's them "unaware" of it.

By ignorance? by a lack of funds? or by something else? be my guest and send us your suggestions.

Should we start a satellite police system? i was one who suggest this idea but what about those who cannot afford a decent receiving
system?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2041. Re: Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-14 07:14:34 UTC
From: Allan Copland
Topic: 2019 Message: 2041

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:

> Should we start a satellite police system? i was one who suggest
this idea but what about those who cannot afford a decent receiving
> system?

Hi Luc,
I don't think that self-appointed 'policemen' will help the situation,
in reality, it may do exactly the opposite, but a little aluminium
might :-)

Let's face facts.... it's easy to make a simple yagi... the Internet
abounds with designs. Being 'deaf' is no excuse IMHO. There is
simply no excuse for using a poor receive aerial on satellites.
If you can afford an HT, surely you can afford a matching aerial?

And, no, it doesn't have to be expensive, so let's not go down that
road either.
Radio Aerials can be made from scrap materials. Even poor people can
use decent radio aerials. They can easily be made from wire, metal
rods and wood or scrap plastic pipe.

Examples....
http://www.wa5vjb.com/references/Cheap%20Antennas-LEOs.pdf
and
http://www.g6lvb.com/HomebrewArrow.htm
and
http://www.qsl.net/ve3cvg/antennas/cheapyagis/index.html

They are all variations on Kent Britain's design and the driving
features are that they are
1) Cheap
and
2) Easy.

IMHO, there is simply no excuse for using a poor receive system on the
birds. Use a lousy TX system by all means, if that is your thing,
but please please please, use a decent receive system.

73 Al.
PS. I almost forgot.. try
http://members.aol.com/k5oe/index.htm?f=fs
also.

2042. *POWER* !!!! ... (as in "flea")

Yahoo group: eu-amsat
Date: 2008-10-14 09:49:10 UTC
From: John Hackett
Topic: 2042 Message: 2042

Hello Everybody,
Just thought I'd bat the following post over, from the Amsat-bb.

Please read but more importantly, 'digest' it.

BTW - I must retract an earlier opinion of mine about American operators. They are *NOT* all as diciplined as the ones I chanced to hear on a ("specially prepared") demo disc.

I've been downloading a *LOT* of live AO-51 QSO's from the Internet and I'm sorry to say, my revised opinion is that on the majority of AO-51 passes over the USA the standard of operating is atrocious.

However, with a bit of patience and obviously good operating proceedure there are certain operators that make up for the general poor standard.

I *DON'T* have an easy answer for cleaning up the act. Amsat must take a *LARGE* portion of the blame for ...

1) Introducing an FM satellite to the operating community ...

... and yessssssss, I *AM* aware of the "constructor chellenge" argument, and ...

2) Failing to produce adequate "instructions for use" via the national societies.

As I've previously mentioned ... LIDS will be LIDS and there's not too much we can do about it - we can only teach by "example".

Again, as stated previopusly ... one must choose oneself what type of operator one wishes to be known as.

The gentleman in the following post gets my vote ... everytime !!!.

73 John. <la2qaa@amsat.org>

.....

Hey everyone,

Over the weekend, I ended up working four passes of AO-51 running 300 milliwatts out of my Yaesu VX-7R HT, which was powered for these passes by 2 AA Duracell batteries. I used the Elk 2M/440L5 log periodic antenna - handheld - for all four passes.

Here are some numbers:

I made a total of 11 contacts in the 4 passes (1 with 4 contacts, 1 with 3, and 2 with 2).

The average elevation of the satellite during these 11 contacts was 34.1454 degrees. The average range was 1,364.0726 kilometers/847.5954 miles.

A contact with KG4ZLB at 00:26 UTC on 12 October found the satellite closest to me of any contact – 53.5 degrees at a range of 959.810 kilometers/596.3995 miles. A contact with WD9EWK at 01:09 UTC on 11 October found the satellite at its most distant for any contact – 12.3 degrees at a range of 2,197.771 kilometers/1,359.418 miles.

That was fun!

73 N3TL.

2043. FM.

Yahoo group: eu-amsat
Date: 2008-10-14 11:39:43 UTC
From: John Hackett
Topic: 2043 Message: 2043

Hello folks,
I encourage every FM operator to check out N3TL's biography on QRZ.COM
<http://www.qrz.com/>

Lower the power and raise the bar ... that will also raise the enjoyment/acheavement factor.

Hey Mak, how about this an EU-Amsat AO-51 "MILES PER WATT" award?.

We used to run one in the G-QRP club in the early 80's. A lot of fun. I'm sure it would be fun on AO-51 too and it just *MIGHT* raise the standard of operating.

(Have you lost your marbles?.....GM1SXX).

73 John. <la2qaa@...>

2044. My 1st SSTV photo from ISS

Yahoo group: eu-amsat
Date: 2008-10-14 15:37:37 UTC
From: st2nh
Topic: 2044 Message: 2044

Hi all

Today at 1649z i recieved a nice sstv photo from the ISS
see the pic at this link
http://www.st2nh.com/st2nhsisssstv.bmp

73 de Nader - st2nh

2045. Re: [eu-amsat] My 1st SSTV photo from ISS

Yahoo group: eu-amsat
Date: 2008-10-14 15:56:46 UTC
From: SV1BSX
Topic: 2044 Message: 2045

....excellent copy Nader! FB!
(however I wondering what is the main menu... strange suff ... Hi hi !)

If you have the MMSSTV for software (I think that you have) the SLANT is possible to be better.

Go:
Options->Setup MMSSTV and "check" the AUTO SLANT.

Thus your next picture will be perfect.

73, Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, October 14, 2008 6:37 PM
Subject: [eu-amsat] My 1st SSTV photo from ISS

> Hi all
>
> Today at 1649z i recieved a nice sstv photo from the ISS
> see the pic at this link
> http://www.st2nh.com/st2nhsisssstv.bmp
>
> 73 de Nader - st2nh
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

2046. Re: [eu-amsat] FM.

Yahoo group: eu-amsat
Date: 2008-10-14 16:18:03 UTC
From: Thomas Frey
Topic: 2043 Message: 2046

John Hackett schrieb:
> Hello folks,

Hello John

The problem is not FM but the single channel satellite. Listen to AO-16
and you know, what I mean.

Without discipline and with a "first in/first out"-mentality nobody can
use and operate a single channel satellite.

Listen to Mode L/U or Mode V/U-QRP (channel 1) of AO-51 and you would be
surprised.

> I encourage every FM operator to check out N3TL's
> biography on QRZ.COM <http://www.qrz.com/>
>
> Lower the power and raise the bar ... that will also raise the
> enjoyment/acheavement factor.
>
> Hey Mak, how about this an EU-Amsat AO-51 "MILES PER WATT" award?.
>
> We used to run one in the G-QRP club in the early 80's. A lot of fun.
> I'm sure it would be fun on AO-51 too and it just *MIGHT* raise the
> standard of operating.
>
> (Have you lost your marbles?.....GM1SXX).
>
> 73 John. <la2qaa@...>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2047. RE: [eu-amsat] FM.

Yahoo group: eu-amsat
Date: 2008-10-14 16:32:59 UTC
From: John Hackett
Topic: 2043 Message: 2047

You're right Thomas,
I have nothing against FM - but beklieve it is *NOT*
a mode suitable for satellite operation.

The 'trick' on FM satellites is to get people to use good operating proceedure. It has been stated many times on various reflectors over the years that it is rather silly to work the same station daily on the FM satellites - but several operators continue to do it ... unfortunately.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 14 Oct 2008 18:18:03 +0200
Subject: Re: [eu-amsat] FM.

John Hackett schrieb:

> Hello folks,

Hello John

The problem is not FM but the single channel satellite. Listen to AO-16

and you know, what I mean.

Without discipline and with a "first in/first out"-mentality nobody can

use and operate a single channel satellite.

Listen to Mode L/U or Mode V/U-QRP (channel 1) of AO-51 and you would be

surprised.

> I encourage every FM operator to check out N3TL's

> biography on QRZ.COM <http://www.qrz.com/>

>

> Lower the power and raise the bar ... that will also raise the

> enjoyment/acheavement factor.

>

> Hey Mak, how about this an EU-Amsat AO-51 "MILES PER WATT" award?.

>

> We used to run one in the G-QRP club in the early 80's. A lot of fun.

> I'm sure it would be fun on AO-51 too and it just *MIGHT* raise the

> standard of operating.

>

> (Have you lost your marbles?.....GM1SXX).

>

> 73 John. <la2qaa@...>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2048. Re: [eu-amsat] FM.

Yahoo group: eu-amsat
Date: 2008-10-14 19:36:01 UTC
From: Thomas Frey
Topic: 2043 Message: 2048

John Hackett schrieb:
> You're right Thomas,
> I have nothing against FM - but
> beklieve it is *NOT*
> a mode suitable for satellite operation.

John, FM is a mode/modulation suitable for satellite operation. I had many nice QSO's via SO-50. A single channel, with FM/FM or FM/SSB, may not be suitable for satellite operation. Crying "Ooooola Ooooola" is a human necessity ;-)

>
> The 'trick' on FM satellites is to get people to use good operating
> proceedure. It has been stated many times on various reflectors over
> the years that it is rather silly to work the same station daily on
> the FM satellites - but several operators continue to do it ...
> unfortunately.

I agree. This satellites could be a nice facility to teach discipline. But every OM must be willing for discipline. Its like drive a car. If you have no discipline on the road, you will have a crash and accident. And if you have discipline and there will be a routine to make QSO's, then also John will have fun to operate over this "ugly" satellites. :-)

We have the instrument/satellite, its in our hand, how we play on it.
>
> 73 John. <la2qaa@...>
>
> ----------
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2049. Fm 'could' be fun ... if some people let it.

Yahoo group: eu-amsat
Date: 2008-10-14 20:04:32 UTC
From: John Hackett
Topic: 2049 Message: 2049

Thomas said, we have the instrument/satellie, its in our hand, how we play on it ... John said, Let's 'teach' by example. Same thing. That's why I suggested a "Miles per watt" challenge, to make it more interesting.

73 John. <la2qaa@...>

2050. Re: [eu-amsat] Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-14 21:58:29 UTC
From: John Finnell
Topic: 2019 Message: 2050

Hello

I have been been silently reading the mail here for a while
my name is John from the great state of Tennessee, USA
the callsign is K4ghz. You have not heard me on the birds - yet!
I am slowly putting together a sat station from my old antennas.
I worked the AO-10, AO-13, AO-16 quite a while back and looking
forward to getting in on the action on the newer birds..

Sorry...as to the topic at hand I would think something similar to the P3E
LEILA may be the answer, but it may be too much to stuff into the LEO-Ha!
Maybe I don't really know how much circuitry it used...but seems like a smaller
stripped down version should be feasible, maybe ? or that may take away from the space for
radios and amplifiers...just a thought.

Luc Leblanc <lucleblanc6@...> wrote: On 11 Oct 2008 at 9:39, John Hackett wrote:

>
> As I've mentioned previously (several times). the power you need working a satellite down
on the horizon and working it 'overhead' is quite different.
>How many operators 'do' adhere to the "using only the required amount of power to maintain
reliable communications" convention ??.
>
> In these 'green' times there's a *LOT* of power being wasted ...
>
It take's time to understand the "using only the required amount of power to maintain
reliable communications" but when this concept is
discovered it is only to see that as soon as you adhere to it you became "alone" on the
birds as many "including the veterans" are not
doing it! Even those on CW!!! i should rather wrote "especially" i don't know why on
satellite CW make's them "unaware" of it.

By ignorance? by a lack of funds? or by something else? be my guest and send us your
suggestions.

Should we start a satellite police system? i was one who suggest this idea but what about
those who cannot afford a decent receiving
system?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2051. Peoposed scoring for a KPW award.

Yahoo group: eu-amsat
Date: 2008-10-15 08:27:39 UTC
From: John Hackett
Topic: 2051 Message: 2051

Hello Folks,
I propose a scoring system for a KILOMETERS PER WATT AWARD for AO-51 operating could be thus ...

Range (in Km) divided by power (in milliwatts) multiplied by 1000.

Example.

Assuming the range to be 2750 Km at point of confirmed contact, with power set to 500mW.

2750/500 = 5.5 x 1000 for a total of 5500 points.

(The x 1000 is just to make the final tally 'reasonable').

Any offers of Awards manager ??.

73 John. <la2qaa@...>

2052. Re: [eu-amsat] Peoposed scoring for a KPW award.

Yahoo group: eu-amsat
Date: 2008-10-15 09:49:48 UTC
From: SV1BSX
Topic: 2051 Message: 2052

Hi John,

I read your proposion just now, sorry - I had dozens Emails and it was difficult to read all as my computer was faulty
the last 2-3 days.

Well, your proprosion about this Award is perfect, your combination [Km/mW] * 1000
is a brilliant idea. However I have a question about:

how the award-manager is possible to know if the Power assertion is true ?

For example, If someone used 3 Watts and he said 0.5 W, for the Award manager it's impossible to confirm if the power was
0.5 W indeed .....and not.... 3 Watts ! This way the credibility of Award is contestable.

And right now, I can't imagine how is possible to confirm the output power .

Any idea?

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: Eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Sent: Wednesday, October 15, 2008 11:27 AM
Subject: [eu-amsat] Peoposed scoring for a KPW award.

Hello Folks,
I propose a scoring system for a KILOMETERS PER WATT AWARD for AO-51 operating could be thus ...

Range (in Km) divided by power (in milliwatts) multiplied by 1000.

Example.

Assuming the range to be 2750 Km at point of confirmed contact, with power set to 500mW.

2750/500 = 5.5 x 1000 for a total of 5500 points.

(The x 1000 is just to make the final tally 'reasonable').

Any offers of Awards manager ??.

73 John. <la2qaa@...>

2053. RE: [eu-amsat] Peoposed scoring for a KPW award.

Yahoo group: eu-amsat
Date: 2008-10-15 10:03:16 UTC
From: John Hackett
Topic: 2051 Message: 2053

Hi Mak,
Well, in the G-QRP club a Gentleman's agreement was an agreement between Gentlemen (!) - that is to say, we accepted the word of a Gentleman.

No "documented" proof required, we relied on the fact that the claimant was telling the truth.

Let's face it, anyone who cheats and lies about such a thing is a real !!!! loser and *TOTAL* idiot, or, to use a Royal Signals phrase ... a right tosser !!!.

I sincerely hope that satellite operators would *also* be such Gentlemen ... yessssssss, I know, some are more Gentlemen than others - but like I've said many times ... one chooses ones'self what kind of operator one is ... (just replace "operator" with "Gentleman").

I took the liberty of batting this over to the group so they could see what's "brewing".

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Wed, 15 Oct 2008 12:49:48 +0300
Subject: Re: [eu-amsat] Peoposed scoring for a KPW award.

Hi John,

I read your proposion just now, sorry - I had
dozens Emails and it was difficult to read all as
my computer was faulty
the last 2-3 days.

Well, your proprosion about this Award is
perfect, your combination [Km/mW] * 1000
is a brilliant idea. However I have a question about:

how the award-manager is possible to know if the Power
assertion is true ?

For example, If someone used 3 Watts and he said 0.5
W, for the Award manager it's impossible to confirm if the power
was
0.5 W indeed .....and
not.... 3 Watts ! This way the credibility of Award is
contestable.

And right now, I can't imagine how is possible to
confirm the output power .

Any idea?

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: Eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Sent: Wednesday, October 15, 2008 11:27
AM
Subject: [eu-amsat] Peoposed scoring for
a KPW award.

Hello
Folks,

I propose a scoring system for a KILOMETERS PER WATT AWARD for AO-51 operating
could be thus ...

Range (in Km) divided by power (in milliwatts)
multiplied by 1000.

Example.

Assuming the range to be 2750 Km at
point of confirmed contact, with power set to 500mW.

2750/500 = 5.5 x
1000 for a total of 5500 points.

(The x 1000 is just to make the final
tally 'reasonable').

Any offers of Awards manager ??.

73
John. <la2qaa@...>

2054. Eagle. Is AMSAT thinking the Unthinkable?

Yahoo group: eu-amsat
Date: 2008-10-15 12:29:25 UTC
From: Allan Copland
Topic: 2054 Message: 2054

Hi Folks,

I've been looking through the AMSAT Eagle pages but try as I might, I can't find anything on the subject of batteries.
http://www.amsat.org/amsat-new/eagle/EaglePedia/index.php/Main_Page

Perhaps I've missed something, but could it be that AMSAT are thinking the unthinkable? Leaving the battery behind? For sure you'd want battery backup for the all important IHU and magnetorquers, it's positively essential to command the bird, but the transponders are another matter.

In a LEO bird, you don't really *need* a battery for the power hungry transponders, but you do for navigation and control, because without power for those, the bird would effectively become useless without the ability to keep the panels illuminated. So long as the short term power 'ripples' caused by the bird's rotation can be smoothed out, there is little real need to carry a battery capable of supporting the transponder(s). Thinking about it, there should be more power available to the transponder without a battery on board .. because batteries are inefficient beasts.

The papers do note a BCR but BCR's are in large part MPPT trackers (maximum peak power trackers) to get the most 'bang for the buck' from the solar panels. They don't *have* to drive a battery.

Batteries have been the bane of many satellite missions, both amateur and commercial. A07 is semi-operational *because* the battery failed, as most eventually do. Good battery management can do wonders for the life expentancy of a satellite in orbit, but all batteries are doomed to fail. It just takes a little time.

It seems to make very little sense to lug a large and fairly unreliable battery into a Molniya orbit when the alternative is to have plenty of transponder power available so long as the bird isn't in eclipse.

It seems quite a small price to pay to trade for a much longer life expectancy.

Of course, perhaps a battery *will* be on board. personally I hope not!

73 Al.

2055. Re: [eu-amsat] Peoposed scoring for a KPW award.

Yahoo group: eu-amsat
Date: 2008-10-15 13:14:39 UTC
From: Luc Leblanc
Topic: 2051 Message: 2055

On 15 Oct 2008 at 10:27, John Hackett wrote:

>
> Hello Folks,
> I propose a scoring system for a KILOMETERS PER WATT AWARD for AO-51 operating could be thus ...
>
> Range (in Km) divided by power (in milliwatts) multiplied by 1000.
>
If no man on earth never cheat i will be willing to vote for your idea. IMHO we can have some problem with the H! But speaking as a ham i
will not feel right about a certificate that i get in cheating but here i speak for myself!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2056. Re: My 1st SSTV photo from ISS

Yahoo group: eu-amsat
Date: 2008-10-15 16:20:48 UTC
From: st2nh
Topic: 2044 Message: 2056

Hi all

Today I received 3 photos from the ISS in one pass
15:11 to 15:21z at kk65
Links to the pics:-

http://www.st2nh.com/200810151512.jpg/200810151512-full;init:.jpg

http://www.st2nh.com/200810151516.jpg/200810151516-full;init:.jpg

http://www.st2nh.com/200810151520.jpg/200810151520-full;init:.jpg

Notice !!!!!
on the 3rd photo there is a shadow of alien face! with big black
eyes looking inside the space station through the window!!!!!!!!

73 de st2nh - Nader

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi all
>
> Today at 1649z i recieved a nice sstv photo from the ISS
> see the pic at this link
> http://www.st2nh.com/st2nhsisssstv.bmp
>
> 73 de Nader - st2nh
>

2057. Re: [eu-amsat] Setting a good example.

Yahoo group: eu-amsat
Date: 2008-10-15 17:00:01 UTC
From: Thomas Frey
Topic: 2019 Message: 2057

John Finnell schrieb:
> Hello
>
> I have been been silently reading the mail here for a while
> my name is John from the great state of Tennessee, USA
> the callsign is K4ghz. You have not heard me on the birds - yet!
> I am slowly putting together a sat station from my old antennas.
> I worked the AO-10, AO-13, AO-16 quite a while back and looking
> forward to getting in on the action on the newer birds..
>

Hello John, K4GHZ

I'm also QRV since AO-10. I operate all HAM satellites, except mode U/V
in SSB (AO-7 & VO-52) because of my old rig, a Kenwood TS-711E and TS-811E.
For the TS-811E I have no CAT available.

> Sorry...as to the topic at hand I would think something similar to the
> P3E
> LEILA may be the answer, but it may be too much to stuff into the LEO-Ha!
> Maybe I don't really know how much circuitry it used...but seems like
> a smaller
> stripped down version should be feasible, maybe ? or that may take
> away from the space for radios and amplifiers...just a thought.

A "modern LEILA" can be realised in DSP for example in a
SDR-transponder (SDX). Today the "circuitry" is virtual
programmed in software.

>
> */Luc Leblanc <lucleblanc6@...>/* wrote:
>
>
>
> Should we start a satellite police system? i was one who suggest
> this idea but what about those who cannot afford a decent receiving
> system?
>
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>

Please not. If we need really a "HAMSat-Police", then I will look for another hobby. No, choke aside. This will never happen (I hope).

> _,_._,_
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2058. Re: [eu-amsat] Eagle. Is AMSAT thinking the Unthinkable?

Yahoo group: eu-amsat
Date: 2008-10-15 17:23:14 UTC
From: Trevor
Topic: 2054 Message: 2058

http://www.amsat.org/amsat-new/eagle/EaglePedia/uploads/1/17/Mpe_penton_webcast.pdf
_

2059. RE: [eu-amsat] Peoposed scoring for a KPW award.

Yahoo group: eu-amsat
Date: 2008-10-15 18:19:06 UTC
From: John Hackett
Topic: 2051 Message: 2059

Hi Luc,
See my later post - where I say exactly the same thing.
It's a question of honesty and pride but of course, in the real world, you'll always find one idiot who'll blow his own trumpet by cheating.

Personally, (naive, you might say) I support the *Gentleman's agreement*.

My intention was of course to create a "challenge" and thereby
(hopefully) raise the interest and standard of operating level on AO-51.

The technique of switching the brain into stand-by mode/pressing the PTT and just "warbling" into the microphone whether you can hear the satellite or not is a bit too dull to retain the interest factor, I thought the "challenge" aspect might allow operators to getat least a couple of brain cells "orbiting" around inside the skull.

If everybody cranks down the power it's going to make it a *LOT* easier to get more throughput and it will go a long way in combatting several stations all calling CQ at the same time.

Of course, the time-homoured LISTEN BEFORE YOU SPEAK applies even more on FM ... likewise, don't TRANSMIT if you're not RECEIVING anything . full duplex *IS* an advantage.

One of the best things a GOOD operator does is to leave a slight pause between over to allow any low power or even emergency stations to get their callsign into people's attention.

Giving your call followed by "Portable" (or in my case, IOTA 36) ought to raise some interest.

We really *DO* need an awards manager in EU-Amsat. C'mon, stick your hand up if you dare.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@videotron.ca
Date: Wed, 15 Oct 2008 09:14:39 -0400
Subject: Re: [eu-amsat] Peoposed scoring for a KPW award.

On 15 Oct 2008 at 10:27, John Hackett wrote:

>

> Hello Folks,

> I propose a scoring system for a KILOMETERS PER WATT AWARD for AO-51 operating could be thus ...

>

> Range (in Km) divided by power (in milliwatts) multiplied by 1000.

>

If no man on earth never cheat i will be willing to vote for your idea. IMHO we can have some problem with the H! But speaking as a ham i

will not feel right about a certificate that i get in cheating but here i speak for myself!

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

2060. VE1AMA double Gariott fa,ily QSO

Yahoo group: eu-amsat
Date: 2008-10-15 18:55:05 UTC
From: Luc Leblanc
Topic: 2060 Message: 2060
Attachments: 1 described; binary payloads are missing from this source WARC

On the attached file for EU reflector and on my web page at www.qsl.net/ve2dwe you will hear the October 15 1759utc ISS pass where Richard
Garriott is having a QSO with VE1AMA who also contacted his father W5LFL Owen Garriot couple of years ago. I was able to get him just at
the end of the pass.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2061. R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-15 21:51:09 UTC
From: SV1BSX
Topic: 2061 Message: 2061

Hello all,

just I wondering about the FM-Repeaters around Europe. Here in Greece, we have a lot of... Repeaters.

Unfortunately.

Thus, the "step" is 12.5 KHz and the last repeater R7-B on 145,787.5 MHz it's just 12.5 KHz down of ISS Downlink !

Due to Doppler effect (+/- 3.5 KHz on VHF), sometimes is necessary to retune the receiver 2-3 KHz down of 145.800, at 145.797, so the difference between R7B and ISS-Downlink is not 12.5 Khz any longer, but just 9.5 KHz.
As the repeater is placed on the mountain's top is extremely strong 9+60 ++++ on a wide area, and many of us we have desense on ISS downlink - even if the filter on our receiver is "sharp" enough for 12.5 KHz step.

Have you any similar problem on Europe? What is the current situation in your countries?

I would like to read your comments.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2062. Re: [eu-amsat] R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-15 22:03:01 UTC
From: Trevor
Topic: 2061 Message: 2062

The United Kingdom has a number of repeaters on RV63 (145.7875 145.1875 MHz), see

http://www.ukrepeater.net/channels/rv63.htm

As you point out it's inevitable there will be some interference issues for those living near to those repeaters.

73 Trevor M5AKA

--- On Wed, 15/10/08, SV1BSX <sv1bsx@yahoo.gr> wrote:
From: SV1BSX <sv1bsx@...>
Subject: [eu-amsat] R7B repeater in Europe?
To: eu-amsat@yahoogroups.com
Date: Wednesday, 15 October, 2008, 10:51 PM

Hello all,

just I wondering about the FM-Repeaters around Europe.
Here in Greece, we have a lot of... Repeaters.

Unfortunately.

Thus, the "step" is 12.5 KHz and the last repeater
R7-B on 145,787.5 MHz it's just 12.5 KHz down of
ISS Downlink !

Due to Doppler effect (+/- 3.5 KHz on VHF), sometimes is
necessary to retune the receiver 2-3 KHz down of 145.800, at
145.797, so the difference between R7B and ISS-Downlink is not 12.5 Khz any
longer, but just 9.5 KHz.
As the repeater is placed on the mountain's top is
extremely strong 9+60 ++++ on a wide area, and many of us we
have desense on ISS downlink - even if the filter on
our receiver is "sharp" enough for 12.5 KHz step.

Have you any similar problem on Europe? What is
the current situation in your countries?

I would like to read your comments.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..gr
URL : http://sv1bsx. 50webs.com

2063. Re: [eu-amsat] R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-15 22:27:46 UTC
From: Luc Leblanc
Topic: 2061 Message: 2063

On 16 Oct 2008 at 0:51, SV1BSX wrote:

> Hello all,
>
> just I wondering about the FM-Repeaters around Europe. Here in Greece, we have a lot of... Repeaters.
>
> Unfortunately.
>
> Thus, the "step" is 12.5 KHz and the last repeater R7-B on 145,787.5 MHz it's just 12.5 KHz down of ISS Downlink !
>
> Due to Doppler effect (+/- 3.5 KHz on VHF), sometimes is necessary to retune the receiver 2-3 KHz down of 145.800, at 145.797, so the difference between R7B and ISS-Downlink is not 12.5 Khz any longer, but just 9.5 KHz.
> As the repeater is placed on the mountain's top is extremely strong 9+60 ++++ on a wide area, and many of us we have desense on ISS downlink - even if the filter on our receiver is "sharp" enough for 12.5 KHz step.
>
> Have you any similar problem on Europe? What is the current situation in your countries?
>
> I would like to read your comments.
>
> 73, Mak SV1BSX
>
HI Mak

If you listen my recording of the ISS pass what you hear near the end is a "weak" pager intermod. when the preamp is ON the QRM became
S9+60!!! The only one amateur apparatus problem is an old packet node still in use at 145.790mhz and i don't know who still use that
system? It is a problem only when i beam towards the node site but only weak carrier are QRM'D by this packet node.

P.S. The recording is in loop on my web page.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2064. One what ?? ... (1w).

Yahoo group: eu-amsat
Date: 2008-10-16 07:27:00 UTC
From: John Hackett
Topic: 2064 Message: 2064

AO-51 operators ... FYI.

QRP could also signify "Quite Remarkable Power", see below.

73 John. <la2qaa@...>
.....

Good Evening everyone....nice to take a break from politics, etc.

On tonight's AO-51 QRP pass at 2330z pass, I was using my ever-faithful Icom 2AT as an uplink. At 1 watt, I was pretty amazed at how good it sounded in the downlink...and was able to work Drew, KO4MA, Dave, VP9/G1OCN in Bermuda, and Paul, N2BX.

Tomorrow night's pass I'll be trying the low power setting: 100mW.

73 de John KB2HSH
.....

I was able to work AO-51's QRP transponder yesterday with 500mW and a homebrew antenna - 3 element yagi on 2m and 5 element on 70cm. I need to get some kind of portable recorder now, for recording the passes - I missed the chap's callsign twice due to local (acoustic) noise. EA3 <something>

Gordon MM3YEQ

2065. 'Ere 'Ere

Yahoo group: eu-amsat
Date: 2008-10-16 07:40:57 UTC
From: John Hackett
Topic: 2065 Message: 2065

A lot of operators are quite surprised to learn that the human ear can detect sounds at *VERY* low levels - (depending on the pitch) ... providing one knows that there's something there to listen to - (ear and brain in tandem is an excellent detector).

On the other hand - foot - ear ... if one only expects white noise one will usually hear precisely nowt - (nothing - but white noise).

Certain amateurs are *NOT* renouned for using their ears ...
(I won't mention any particular country).

An old Royal Signals trick for detecting extreemly weak sounds is to cock the head at 90 degrees to the source of the sound, open the mouth ... (I am *NOT* kidding) ... almost turning the head and ear mechanism into a resonant cavity - (microwavers will recognise the phenomena) - try it and you will be surprised.

If nothing else, the psychological effect works.

A far more useful/practical technique when operating satellites is to "listen before you speak".

(Whadd'ya mean !!!!, you already knew that).

73 John. <la2qaa@...>

2066. RE: [eu-amsat] R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-16 08:05:28 UTC
From: Dimitrios Pallis
Topic: 2061 Message: 2066

I see that all people all over the world have the same problems. So i am wondering if its possible to ask the ISS team to change the frequency. I dont know if we can but this is an idea. Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: sv1bsx@...: Thu, 16 Oct 2008 00:51:09 +0300Subject: [eu-amsat] R7B repeater in Europe?

Hello all,

just I wondering about the FM-Repeaters around Europe. Here in Greece, we have a lot of... Repeaters.

Unfortunately.

Thus, the "step" is 12.5 KHz and the last repeater R7-B on 145,787.5 MHz it's just 12.5 KHz down of ISS Downlink !

Due to Doppler effect (+/- 3.5 KHz on VHF), sometimes is necessary to retune the receiver 2-3 KHz down of 145.800, at 145.797, so the difference between R7B and ISS-Downlink is not 12.5 Khz any longer, but just 9.5 KHz.
As the repeater is placed on the mountain's top is extremely strong 9+60 ++++ on a wide area, and many of us we have desense on ISS downlink - even if the filter on our receiver is "sharp" enough for 12.5 KHz step.

Have you any similar problem on Europe? What is the current situation in your countries?

I would like to read your comments.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo ..grURL : http://sv1bsx.50webs.com

_____
Get more out of the Web. Learn 10 hidden secrets of Windows Live.
http://windowslive.com/connect/post/jamiethomson.spaces.live.com-Blog-cns!550F681DAD532637!5295.entry?ocid=TXT_TAGLM_WL_domore_092008

2067. Re: Eagle. Is AMSAT thinking the Unthinkable?

Yahoo group: eu-amsat
Date: 2008-10-16 09:01:26 UTC
From: Allan Copland
Topic: 2054 Message: 2067

--- In eu-amsat@yahoogroups.com, Trevor <m5aka@...> wrote:
>
> http://www.amsat.org/amsat-new/eagle/EaglePedia/uploads/1/17/Mpe_penton_webcast.pdf
> _

Hi Trevor, Thanks for the reply. I did read the above for myself, and 'cryptic clues' aside.....I also read...

Note: EaglePedia is no longer being used by the engineering teams. Due to support issues and suitability, EaglePedia will NOT be used during the progress of the Eagle or ACP development. The AMSAT Project team is working on new documentation resources at the present time. Rest assured, documentation will be made available to the public as the projects work. AMSAT aims to provide openness and transparency throughout the engineering process. 73, Dave, AF6KD (ex N0TGD).

AMSAT also mentions
IF batteries are flown in the following URL.
http://www.amsat.org/amsat-new/eagle/FuncReqRev1.php
In case you miseed that one, it says..
>3.0 Thermal Control
>
>3.1 IF batteries are flown, battery temperature should not exceed a -
>15 to +15C range.
>
>3.2 Under all conditions, electronics module temperature should
>remain from -25 to +40C

....which led directly to me to asking the question I did.
The 'facts' seem to depend pretty much on where you look for information. AMSAT or AMSAT.. the choice is yours!

73 Al.
GM1SXX

2068. I worked ISS in FM phone mode

Yahoo group: eu-amsat
Date: 2008-10-16 14:53:11 UTC
From: st2nh
Topic: 2068 Message: 2068

during the last pass 14:03z i succeded to talk to Richard garriott W5KWQ
on board ISS in FM phone mode and on the same pass he did contact with
7z1sj,7z1aq,hz1fs,7z1hl,st2nh
i recorded the QSO and i hope to post it later.
keep calling ISS if you hear no sstv
UPLINK 145200
DOWNLINK 145800
GOOD LUCK TO ALL
73 de st2nh Nader

2069. Re: I worked ISS in FM phone mode

Yahoo group: eu-amsat
Date: 2008-10-16 15:35:47 UTC
From: dh5mk
Topic: 2068 Message: 2069

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> during the last pass 14:03z i succeded to talk to Richard garriott W5KWQ
> on board ISS in FM phone mode and on the same pass he did contact with
> 7z1sj,7z1aq,hz1fs,7z1hl,st2nh
> i recorded the QSO and i hope to post it later.
> keep calling ISS if you hear no sstv
> UPLINK 145200
> DOWNLINK 145800
> GOOD LUCK TO ALL
> 73 de st2nh Nader
>
Hello Nader,

you are very lucky!! I tried at the 10:45z + 12:20z pass but no response.
But I can show you my received SSTV pics !

http://www.dh5mk.de/pages/actuals.php

73 good luck
DH5MK
Mike

2070. Re: I worked ISS in FM phone mode

Yahoo group: eu-amsat
Date: 2008-10-16 16:11:33 UTC
From: st2nh
Topic: 2068 Message: 2070

Hello Mike DH5MK
Thanks for nice sstv photos
i worked iss in phone mode but I missed
to catch any sstv photo today

for sure you wll catch Richard W5KWS soon !
keep monitoring the downlink, And may be if you give
him a call between sstv photo he wll show up!!;-)

73 de st2nh , Nader

--- In eu-amsat@yahoogroups.com, "dh5mk" <michael@...> wrote
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> > during the last pass 14:03z i succeded to talk to Richard
garriott W5KWQ
> > on board ISS in FM phone mode and on the same pass he did contact
with
> > 7z1sj,7z1aq,hz1fs,7z1hl,st2nh
> > i recorded the QSO and i hope to post it later.
> > keep calling ISS if you hear no sstv
> > UPLINK 145200
> > DOWNLINK 145800
> > GOOD LUCK TO ALL
> > 73 de st2nh Nader
> >
> Hello Nader,
>
> you are very lucky!! I tried at the 10:45z + 12:20z pass but no
response.
> But I can show you my received SSTV pics !
>
> http://www.dh5mk.de/pages/actuals.php
>
> 73 good luck
> DH5MK
> Mike
>

2071. Re: [eu-amsat] R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-16 16:34:06 UTC
From: Thomas Frey
Topic: 2061 Message: 2071

SV1BSX schrieb:
> Hello all,
>
> just I wondering about the FM-Repeaters around Europe. Here in
> Greece, we have a lot of... Repeaters.
>
> Unfortunately.
>
> Thus, the "step" is 12.5 KHz and the last repeater R7-B on 145,787.5
> MHz it's just 12.5 KHz down of ISS Downlink !
>
> Due to Doppler effect (+/- 3.5 KHz on VHF), sometimes is necessary to
> retune the receiver 2-3 KHz down of 145.800, at 145.797, so the
> difference between R7B and ISS-Downlink is not 12.5 Khz any longer,
> but just 9.5 KHz.
> As the repeater is placed on the mountain's top is extremely strong
> 9+60 ++++ on a wide area, and many of us we have desense on ISS
> downlink - even if the filter on our receiver is "sharp" enough for
> 12.5 KHz step.
>
> Have you any similar problem on Europe? What is the
> current situation in your countries?
>
> I would like to read your comments.
>
> 73, Mak SV1BSX
>
>

Hello Mak

Only my personal comment: 145.7875 MHz (RV63) is within the IARU
regulated range. I think, Doppler effects could not be respected
by IARU for band planning.

If you have problems to receive ISS, I suggest, you build a group
of satellite ops and contact the repeater-club to solve the problem.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2072. Re: [eu-amsat] R7B repeater in Europe?

Yahoo group: eu-amsat
Date: 2008-10-16 17:31:28 UTC
From: SV1BSX
Topic: 2061 Message: 2072

Hello Thomas,

yes, I agree , I did not say that the repeater is illegal, of course is within the regulations. Just I was wondering about similar problems around the world. And as I read, they have similar problems also in other countries.

Therefore, I think this frequency , on the "knife's edge" of *Lowest* Satellite portion of VHF Satellite subzone, it is not the best choice for ISS downlink.

I think it should be easier for all a bit higher, at 145.825. I remember that, ISS was active for a while on 145.825 without similar problems. It was much better there.

Anyway, thank you all for your comments.

73, Mak SV1BSX

> Hello Mak
>
> Only my personal comment: 145.7875 MHz (RV63) is within the IARU
> regulated range. I think, Doppler effects could not be respected
> by IARU for band planning.
>
> If you have problems to receive ISS, I suggest, you build a group
> of satellite ops and contact the repeater-club to solve the problem.
>
>
>
> Mit freundlichen Gróssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

2073. Re: One what ?? ... (1w)..... What about 2W ?? :-)

Yahoo group: eu-amsat
Date: 2008-10-16 20:25:04 UTC
From: dh5mk
Topic: 2064 Message: 2073

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> AO-51 operators ... FYI.
>
> QRP could also signify "Quite Remarkable Power", see below.
>
> 73 John. <la2qaa@...>
>
.....
>
> Good Evening everyone....nice to take a break from politics, etc.
>
> On tonight's AO-51 QRP pass at 2330z pass, I was using my
ever-faithful Icom 2AT as an uplink. At 1 watt, I was pretty amazed
at how good it sounded in the downlink...and was able to work Drew,
KO4MA, Dave, VP9/G1OCN in Bermuda, and Paul, N2BX.
>
> Tomorrow night's pass I'll be trying the low power setting: 100mW.
>
> 73 de John KB2HSH
>
.....
.....
>
> I was able to work AO-51's QRP transponder yesterday with 500mW and
a homebrew antenna - 3 element yagi on 2m and 5 element on 70cm. I
need to get some kind of portable recorder now, for recording the
passes - I missed the chap's callsign twice due to local (acoustic)
noise. EA3 <something>
>
> Gordon MM3YEQ
>
Hi folks,

I remember a time ... long long ago
I made my first attempts with AO-13 in 1993.
Using 2Watt over 25m H100 coax and 10ele. horizontal indoor, I managed
several QSOs that day. The 2m was also indoor. The pictures on my page
were taken after that time, so there you can see the good antennas!
35000km, about 20Werp, single small indoor ant. ...

If there is no "big gun" pushing the AGC, it works !!

Be careful with the birds !!

73 de Mike

2074. New ISS Pics

Yahoo group: eu-amsat
Date: 2008-10-17 09:40:21 UTC
From: Simon Brown (KNS)
Topic: 2074 Message: 2074

http://www.ham-radio-deluxe.com/SSTV/tabid/85/Default.aspx

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

2075. Re: New ISS Pics

Yahoo group: eu-amsat
Date: 2008-10-17 11:04:57 UTC
From: dh5mk
Topic: 2074 Message: 2075

Hi Simon,
I saw the same pics from them and enjoyed the Ditital Master !!
It works perfect with a minimum changes in configuration.

73

Michael, DH5MK

http://www.dh5mk.de/pages/actuals.php

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> http://www.ham-radio-deluxe.com/SSTV/tabid/85/Default.aspx
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>

2076. Re: [sarex] SSTV on over UK

Yahoo group: eu-amsat
Date: 2008-10-17 12:56:13 UTC
From: Luc Leblanc
Topic: 2076 Message: 2076

On 17 Oct 2008 at 10:44, David Barber wrote:

>SSTV on over UK.

>Long silent carrier before and after images though.

On the 1235 pass (Mostly over the atlantic) no transmission has been received yesterday only blue empty pics where transmitted in the last
pass of the day. I am guessing the school contact takes priority?

From my "souvenirs" favorites folders:

http://www.arrl.org/news/stories/2004/12/09/1/?nc=1

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2077. Audio from ISS

Yahoo group: eu-amsat
Date: 2008-10-17 15:27:22 UTC
From: dh5mk
Topic: 2077 Message: 2077

Hi there,

I recorded the ISS-Audio from the 11:10z pass for all who are interested in.

http://www.dh5mk.de/media/friends/ISS%2017-10-2008%2011-10utc.mp3

Seems to be there was "school hour".
Richard calls CQ as I lost them in the east :-(

73 de Mike

2078. Cubesats

Yahoo group: eu-amsat
Date: 2008-10-18 06:20:04 UTC
From: Bratu Florian Gabriel
Topic: 2078 Message: 2078

I found on cubesat site community http://cubesat.atl.calpoly.edu/
two documents one reprezenting hamradio frequencyes coordonation
recording IARU
Very interesting for study acording with 70cm band cub's beacons
polution.
You can find it in menu Files directory cubsat.

2079. ISS QSO´s over Europe in 11:35z pass !!

Yahoo group: eu-amsat
Date: 2008-10-18 12:05:44 UTC
From: dh5mk
Topic: 2079 Message: 2079

Hi all,

W5KWQ made some QSO´s in the last pass.
Here you hear them:
http://www.dh5mk.de/media/friends/ISS%20QSOs%202008-10-18--1139z.mp3

Obviously no chance with my indoor antennas ...

73 good luck
Michael

2080. Re: I worked ISS in FM phone mode

Yahoo group: eu-amsat
Date: 2008-10-18 17:31:26 UTC
From: st2nh
Topic: 2068 Message: 2080

hi all
the audio file of QSOs with Richard - NA1SS
mixed from several record by 7z1sj-tnx Suli

http://www.st2nh.com/QSOswithNA1SSMIX.mp3

73 de st2nh

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> during the last pass 14:03z i succeded to talk to Richard garriott
W5KWQ
> on board ISS in FM phone mode and on the same pass he did contact with
> 7z1sj,7z1aq,hz1fs,7z1hl,st2nh
> i recorded the QSO and i hope to post it later.
> keep calling ISS if you hear no sstv
> UPLINK 145200
> DOWNLINK 145800
> GOOD LUCK TO ALL
> 73 de st2nh Nader
>

2081. ISS how long?

Yahoo group: eu-amsat
Date: 2008-10-19 06:47:19 UTC
From: Bratu Florian Gabriel
Topic: 2068 Message: 2081

I am wodering if enebody knows how time Richard stay on ISS board, and if after his living the sstv , or repeter mod equipment will stay in mode ON.

2082. Re: ISS how long?

Yahoo group: eu-amsat
Date: 2008-10-19 09:27:32 UTC
From: Allan Copland
Topic: 2068 Message: 2082

--- In eu-amsat@yahoogroups.com, "Bratu Florian Gabriel" <yo9gjx@...>
wrote:
>
> I am wodering if enebody knows how time Richard stay on ISS board, and
> if after his living the sstv , or repeter mod equipment will stay in
> mode ON.
>

Hi,

I believe that Richard is a transfer passenger like every other paying guest to date. He will most likely return in the next Soyuz flight to Earth. Often transfer passengers are in space for around a week.

ISS uses the Soyuz to ferry crews up and down so when two of the astronauts are due to return after their time on station, they sometimes return in Soyuz alongside a paying passenger. There is always a Soyuz 'lifeboat' docked to the station, and returning crews and guests always use the oldest Soyuz. That way, a constant supply of fresh craft is assured.

Hopefully some radio-activity can continue after he returns to Earth. Many (if not most) of the astronauts/cosmonauts that fly in ISS are licensed radio amateurs.

2083. Richard Garriot Return.

Yahoo group: eu-amsat
Date: 2008-10-19 09:45:22 UTC
From: Allan Copland
Topic: 2083 Message: 2083

Hi,

This is posted on Slashdot.

Garriott will return to Earth with Expedition 17 crew members,
Commander Sergei Volkov and Flight Engineer Oleg Kononenko on October 23."

Enjoy the remaining fun!

73 Al.
GM1SXX

2084. Re: [eu-amsat] Richard Garriot Return.

Yahoo group: eu-amsat
Date: 2008-10-19 09:49:48 UTC
From: Simon Brown (KNS)
Topic: 2083 Message: 2084

The most expensive DX-pedition of all time? We (he) could have financed a HEO or three for the same price :-)

It could have been RG-01 in honour of his bank account.

Any more rich computer bods out there?

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>
>
> Garriott will return to Earth with Expedition 17 crew members,
> Commander Sergei Volkov and Flight Engineer Oleg Kononenko on October 23."
>

2085. Re: Richard Garriot Return.

Yahoo group: eu-amsat
Date: 2008-10-19 10:30:23 UTC
From: Allan Copland
Topic: 2083 Message: 2085

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> The most expensive DX-pedition of all time? We (he) could have
financed a
> HEO or three for the same price :-)
>

Hi Simon.

The same sort of financial 'splash' could alternatively have funded a
sizeable mixed fleet of MEO's or LEO's for those interested in other
areas of amateur satellite activity. Have you ever considered how
useful MEO is?

http://www.g0mrf.freeserve.co.uk/MEOSAT.htm
should give you an idea.

MEO's could do most of what HEO's can. What's more, they could be far
less expensive.

73 Al.
GM1SXX

2086. Re: [eu-amsat] Re: Richard Garriot Return.

Yahoo group: eu-amsat
Date: 2008-10-19 10:39:48 UTC
From: Simon Brown (KNS)
Topic: 2083 Message: 2086

Don't care - MEO, HEO, anything :-)

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>
>
> The same sort of financial 'splash' could alternatively have funded a
> sizeable mixed fleet of MEO's or LEO's for those interested in other
> areas of amateur satellite activity. Have you ever considered how
> useful MEO is?
>

2087. QRPp

Yahoo group: eu-amsat
Date: 2008-10-19 10:45:08 UTC
From: John Hackett
Topic: 2087 Message: 2087

Dear AO-7 Bandits,
As most of you know, I've always been QRP on AO-7 and due to the mountains very often used them as passive reflectors - using knife edge propagation ... conditions permitting.

However, due to the stringent antenna restrictions imposed on me recently and the dismantling of the satellite array I now have to reduce power even more and utilise an Arrow aerial indoors fromt a basement apartment ... surrounded by mountains.

What was previously a "challenge" ... has now become a *REAL* challenge, QRPp on AO-7.

(One of my DXCC's is for QRP so don't laugh at me just yet).

I expect to be QRV by Wednesday or Thursday so if you hear somebody knocking - it'll be me.

Good news Joe ?? (K3SZH) ... put'cher cans on mate and have a lissen on the usual QRG.

Got that Mak (SV1BSX) ?? ... and Jimmy ??.

73 John. <la2qaa@...>

2088. Re: [eu-amsat] ISS how long?

Yahoo group: eu-amsat
Date: 2008-10-19 11:02:51 UTC
From: Thomas Frey
Topic: 2068 Message: 2088

Bratu Florian Gabriel schrieb:
> I am wodering if enebody knows how time Richard stay on ISS board, and
> if after his living the sstv , or repeter mod equipment will stay in
> mode ON.
>
>
>

Hello Florian

Richard Garriot will stay on board until 23. October. He will leave
the Kenwood SSTV communicator on board but its batteries are empty
(as I know). This SSTV gear can not be plugged into the board power
supply system. But they have the SpaceCam1 system from Miles Mann on
board, see http://www.marexmg.org/.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2089. Re: Richard Garriot Return.

Yahoo group: eu-amsat
Date: 2008-10-19 11:08:06 UTC
From: Allan Copland
Topic: 2083 Message: 2089

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> Don't care - MEO, HEO, anything :-)
>
Hi Folks,

I was just making two simple points.

1) MEO is very useful... and should be cheaper than HEO while still
offering DX potential..
and
2) no bucks.... no Buck Rodgers.

MEO should certainly be worth a serious look by those who make
decisions for the membership.

73 Al.
GM1SXX

2090. PS.

Yahoo group: eu-amsat
Date: 2008-10-19 15:04:31 UTC
From: John Hackett
Topic: 2090 Message: 2090

L's and G's

(Lady and Gentleman),

Oyez, oyez, oyez.

Anyone working QRPp station La2qaa (Frei Island, IOTA EU-36) on AO-7 will receive one of Amsat's 'dedicated' AO-7 QSL cards.

73 John. <la2qaa@...>

2091. Log and QSL's.

Yahoo group: eu-amsat
Date: 2008-10-20 08:12:27 UTC
From: John Hackett
Topic: 2091 Message: 2091

Michael DH5MK,
Regarding entries in the AO-7 log.

Emily (W0EEC, now N1DID) and I decided that stations could, and would be encouraged to enter their callsign even if they didn't have an actual QSO ... providing they were using the satellite transponder - (that is to say ... hearing their own downlink) - this would allow us to track- (pun intentional) - 'ACTIVITY' on the satellite.

My earlier comments were directed at the stations who were adding to the log to get "points" for phantom QSO's when they wern't even on the satellite.

Therefore ... the two stations I was referring to were cheating ... while UA9CS and other 'callsign only' entries were *NOT* !!! cheating.

I posted messages on the Amsat-bb as well as the EU-Amsat reflector several times stating that the log was *NOT* designed to be a "points" table ... it was/and is an *ACTIVITY* log.

I hope this mail appeases your obvious dissatisfaction Michael.
I make no apologies for the considerable times I spent in hospital in the last 7 years.

The latter part of this mail is CC'd to the group, since it is of general interest with reference to entries into the AO-7 Resource Page Log.

For common interest, I retired from administering the log last December.

Regards. John. <la2qaa@...>

2092. ISS silent!

Yahoo group: eu-amsat
Date: 2008-10-21 14:25:39 UTC
From: Luc Leblanc
Topic: 2092 Message: 2092

No SSTV or phone contact has been heard on the 1425 pass here. I guess some issues developped up there? any ideas?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2093. Re: [eu-amsat] ISS silent!

Yahoo group: eu-amsat
Date: 2008-10-21 14:31:33 UTC
From: Marco IK1ODO -2
Topic: 2092 Message: 2093

At 16.25 21/10/2008, you wrote:

>No SSTV or phone contact has been heard on the 1425 pass here. I
>guess some issues developped up there? any ideas?
>"-"
>
>Luc Leblanc VE2DWE

Richard was active with a couple of EU stations in phone at 1258z.

73 - Marco IK1ODO

2094. Re: [amsat-bb] ISS silent!

Yahoo group: eu-amsat
Date: 2008-10-22 01:10:03 UTC
From: Luc Leblanc
Topic: 2094 Message: 2094

Same message has been sent at 2159Z Oct 22 2008 to AMSAT-BB and SAREX-BB but they don't show up yet on those BB

On 21 Oct 2008 at 15:43, Nigel Gunn G8IFF/W8IFF wrote:

> How about:
> The guys have work to do and playing ham radio comes second to earning a crust and paying the bills.
>

On 21 Oct 2008 at 10:24, Ransom, Kenneth G. (JSC-OC)[B wrote:

I'll go with a simple idea...he got busy with his Earth observation photography over N. America (I know he had some particular sites of interest to photograph) and forgot to set up the radio for unattended operations.

>
> Kenneth - N5VHO

>
> Luc Leblanc wrote:
> > No SSTV or phone contact has been heard on the 1425 pass here. I guess some issues developped up there? any ideas?

It is not in my usual habits to act as a devil's advocate...but if we want to see another marvelous experience as the one conducted by
Richard Garriott W5KWQ did we will have to wait for the next Ham space tourist with 16 millions to spend on a ride?

As Nigel says if the guys are too busy having to work for earning their crust and paying the bills or as Kenneth says they got busy with
their Earth observation photography over North America or as i said in a past thread "making soap bubble experiment ". I don't know what
the next plans will be as this one seems to be put in place when the stars and planets conjunctions and alignments where favourable!

Again i have the greatest respect for what's the guys are choosing to do in their spare time in space, but i'm only questioning myself on
the outcomes. Who will be the next HAM millionaire to fly in space? Still don't know why Bill Gates never ask for a ride yet?

P.S. Just remember "It is not in my usual habits to act as a devil's advocate.."

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2095. [sarex] ISS 1820UTC pass

Yahoo group: eu-amsat
Date: 2008-10-23 18:58:15 UTC
From: Luc Leblanc
Topic: 2095 Message: 2095

On the 1820Z October 23 2008 Richard confirm that this pass will be his last one as he will dismantle his radio setup as he will be in the
process of preparing for his return to earth. He say "goodbye and see you the 12"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2096. Beginner and FO-29

Yahoo group: eu-amsat
Date: 2008-10-24 11:52:23 UTC
From: Chris Bryant
Topic: 2096 Message: 2096

Hello everyone,

I'm new to using satellites and in the process of getting equipped. I've had a read around and plan to put some modest 2m/70cm/23cm/13cm antennas up on the roof next to my 3cm dish (once I've sorted an elevation mechanism). I'm most interested in the L and S bands though I'll start with V/U to get the hang of it. I had just got sorted for U/S on AO-40 when it disappeared :-(((.

While I wait for stuff to arrive and to get the time to build the antennas (I'll have questions in a later post about them) I was having a listen to see what I can hear on U with my 6/2/70 vertical (no preamp, 10m of RG213). AO-51 is often audible but without any real copy, no sign of SO-50, AO-27 or AO-16, but I was pleased I can hear the FO-29 beacon almost horizon to horizon peaking S5 on reasonable passes. I've made a couple of attempts to raise it with 15W of CW but not heard anything of my own signals. I have heard a couple of FM QSO but again too weak to resolve.

My questions are:

1) Can I realistically expect to make any contacts (CW/SSB) with this sort of gear, or should I put the time into sawing up aluminium?

2) I understand FO-29 is inverting: does this just mean LSB to USB or is the whole passband flipped so 145.9 up becomes 435.9 down?

73

Chris g3wie

2097. Re: [eu-amsat] Beginner and FO-29

Yahoo group: eu-amsat
Date: 2008-10-24 17:17:53 UTC
From: SV1BSX
Topic: 2096 Message: 2097

Hi Chris,

well, it's possible to manage a few QSOs by using "unusual" antennas like your vertical.
But even if we can say "yes", that is for just a few QSOs - nothing more.

The main problem by using a multi band antenna is the desense. In general, if the antenna using a common coaxial cable for both bands, usually you have desense and especially
on Mode-J (FO-29), that is very strong (sometimes).

However I remember that, I have managed a few QSOs on VO-52 which is very powerful, just by using a GroundPlane. But is not easy and in any case this antenna has serious limitations on Satellites, as a vertical antenna is omni-directional, without enough gain, without enough directivity.... big disadvantages for Satellites.

On the other hand, if you can hear the beacon 5 S units, that's great and almost... unbelievable to me ! On this case, it might be you can't heard you
return signal just because you had ignored the Doppler-shift effect.

The FO-29 has inverting transponder, that means LSB-uplink, USB-downlink.
And yes, the bandwidth is also inverting.

Try that:

Tune your receiver at 435.850 USB (middle passband).

Tune your transmitter not at 145.950 which is the respective of 43.850, but at 145.960 (when the Satellite is very close to AOS) and by reducing your Uplink frequency slowly and smoothly down to 145.950 till to TCA,
looking always for your return signal on 435.850.

Repeat again and again this cyrcle, with Downlink frequency stable on 435.850
and by covering this space on Uplink between 145.960, 959, 958, 957..... 950 several times.
If your TX is strong enough for the Satellite-receiver, you will hear your downlink signal on 435.850.
If you can not hear your return signal, probably your signal is not strong enough in order to have access on Satellite.

Hope this helps you. If you need anything more about, feel free to ask me.

73, Mak SV1BSX
..

----- Original Message -----
From: "Chris Bryant" <g3wie@...>
To: <eu-amsat@yahoogroups.com>
Sent: Friday, October 24, 2008 2:52 PM
Subject: [eu-amsat] Beginner and FO-29

> Hello everyone,
>
> I'm new to using satellites and in the process of getting equipped.
> I've had a read around and plan to put some modest 2m/70cm/23cm/13cm
> antennas up on the roof next to my 3cm dish (once I've sorted an
> elevation mechanism). I'm most interested in the L and S bands though
> I'll start with V/U to get the hang of it. I had just got sorted for
> U/S on AO-40 when it disappeared :-(((.
>
> While I wait for stuff to arrive and to get the time to build the
> antennas (I'll have questions in a later post about them) I was having
> a listen to see what I can hear on U with my 6/2/70 vertical (no
> preamp, 10m of RG213). AO-51 is often audible but without any real
> copy, no sign of SO-50, AO-27 or AO-16, but I was pleased I can hear
> the FO-29 beacon almost horizon to horizon peaking S5 on reasonable
> passes. I've made a couple of attempts to raise it with 15W of CW but
> not heard anything of my own signals. I have heard a couple of FM QSO
> but again too weak to resolve.
>
> My questions are:
>
> 1) Can I realistically expect to make any contacts (CW/SSB) with this
> sort of gear, or should I put the time into sawing up aluminium?
>
> 2) I understand FO-29 is inverting: does this just mean LSB to USB or
> is the whole passband flipped so 145.9 up becomes 435.9 down?
>
> 73
>
> Chris g3wie
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

2098. Re: Beginner and FO-29

Yahoo group: eu-amsat
Date: 2008-10-24 19:32:53 UTC
From: Chris Bryant
Topic: 2096 Message: 2098

Thank you, Mak for your helpful advice.

I will try your suggestions when there is next a good pass for me.

> The main problem by using a multi band antenna is the desense. In general,
> if the antenna using a common coaxial cable for both bands, usually you have
> desense and especially
> on Mode-J (FO-29), that is very strong (sometimes).

Yes I see this - I have a triplexer in the feeder but I cannot run more than about 15 watts output on 145MHz without obvious desense, and I suppose it may be happening with lower power even if I don't hear it. I could put a coax stub filter in the feed to the receiver to help with this. I will check to see if I can hear the beacon while I am transmitting, that should tell me if I have a desense problem that I don't hear.

>
> However I remember that, I have managed a few QSOs on VO-52 which > is very powerful, just by using a GroundPlane. But is not easy and > in any case this antenna has serious limitations on Satellites, as > a vertical antenna is omni-directional, without enough gain,
> without enough directivity.... big disadvantages for Satellites.

I will try for VO52 as well with my simple setup. I had not thought about this satellite because I am not intending to arrange a decent antenna for 145MHz (like for DO-64) because I really want to try L and S bands and I must keep my antennas small - at the moment people think my dish is for the TV (even though I do not have one in the house!) so they are happy with it ;-)

> On the other hand, if you can hear the beacon 5 S units, that's
> great and almost... unbelievable to me ! On this case, it might be
> you can't heard you return signal just because you had ignored the
> Doppler-shift effect.

I was surprised as well, until I thought about the difference between FM and CW, I think it's at least 10dB on S/N. The antenna is a colinear on 70cm so it should have some gain...

>
> The FO-29 has inverting transponder, that means LSB-uplink, USB-downlink.> And yes, the bandwidth is also inverting.

That may explain why I heard nothing

> Try that:
>
> Tune your receiver at 435.850 USB (middle passband).
etc.....

Thanks, I will try what you suggest. But I know the answer is to get the real antennas up there.

73

Chris g3wie

2099. Richard garriot back on terra Firma

Yahoo group: eu-amsat
Date: 2008-10-25 14:46:13 UTC
From: Allan Copland
Topic: 2099 Message: 2099

As reported by the BBC in a video clip.

http://news.bbc.co.uk/1/hi/sci/tech/7688058.stm

73 Al.
GM1SXX

2100. SV1BSX over 2000 points on Emily's Log

Yahoo group: eu-amsat
Date: 2008-10-25 19:33:37 UTC
From: SW1JGW
Topic: 2100 Message: 2100

Congratulations MAK for yours over 2000 Real QSO.
SV1BSX is the 8th station with over 2000 QSO all over the world and the 6th European!!!

73 SW1JGW

2101. SAT-GATE

Yahoo group: eu-amsat
Date: 2008-10-27 21:15:07 UTC
From: st2nh
Topic: 2101 Message: 2101

The APRS is on at ISS now.
How many sat-gate available for this mode at Europe?
Specially at south of Europe. in range of ISS foot print
from my QTH!kk65gp !
73 DE ST2NH

2102. Re: [amsat-bb] great time

Yahoo group: eu-amsat
Date: 2008-10-28 13:15:39 UTC
From: Luc Leblanc
Topic: 2102 Message: 2102

On 28 Oct 2008 at 6:04, Nick Pugh wrote:

>Dan gave a very interesting and funny talk at the banquet.

On 27 Oct 2008 at 21:24, n3tl@... wrote:

>Dan Schultz's presentation on the upcoming Hubble Space Telescope repair
>mission...Paul Marsh's report on S- and X-band deep
>space reception...

On 27 Oct 2008 at 16:43, Alan P. Biddle wrote:

> Turnout was down considerably. There were about 80-90 present, which is
> significantly lower than normal. For the first time I can remember, the was
> no one from the APRS contingent there.

> All that having been said, we are definitely at a low point. These things
> happen to people, organizations, and economies. AMSAT-NA is going through
> some significant internal reorganization and soul searching. Launch
> opportunities are few and expensive, and there has been pressure on
> facilities both in the US and Germany, for different reasons. Likewise
> there are some shortages of people with particular skills, due to many
> factors. Some as simple as the march of time. Regrettably that problem is
> largely self-inflicted******,LARGELY SELF-INFLICTED*****

On 28 Oct 2008 at 7:20, David Giles wrote:

> Hello to all those who attended Atlanta,
>
> Apart from a new vision statement and a BOD meeting, did anything
> actually happen at Atlanta?
>
> I haven't seen the usual "What a great symposium.", "It was great to
> catch up with ...", "I was inspired by the ...", "Demonstrations of...
> were held", "Hundreds of new members", or "Well done to the organisers"
> type messages.
>
> I haven't even seen the usual announcement for the 2009 event. Perhaps
> there won't be one - that would be newsworthy in itself.
>
> Don't get me wrong - I'm not knocking the event. It just seems
> unusually quiet.
>
> 73 de David VK5DG

Any news about P3E or EAGLE? Aside of the banquet and the various lunch? As David ask it seems that this group is sunking and i'm not sure

the internal reorganization will be done at the right level eg: "there are some shortages of people with particular skills, due to many
factors." Did anyone ever think that the AMSAT-NA old fashion undemocratic structure and the family affair BOD is not the actual main
problems source. If ">These things happen to people, organizations, and economies" there is ways to have them changed? We have one of this
way actually in the making where November will give us a clue in the right direction!

Did we can do the same at our "HAM" level? could be are we too old or too conservative to make the necessary moves? IMHO we should expand
our vision over our continental boundaries or the main next AMSAT-NA symposium activity will be a shuffle board game! sponsored by some
Antiphlogistine Poultice company. eg:">If you get the AMSAT Journal, there is a great recruiting poster on page 23 of the latest issue"
This recruiting is not aiming the right target at all. Refocused the recruiting campaign towards college and universities with some
appealing actual argumenting will be far more effective IMHO.

A stage coach opinion...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2103. IC 970

Yahoo group: eu-amsat
Date: 2008-10-28 17:04:16 UTC
From: Dimitrios Pallis
Topic: 2103 Message: 2103

Sorry for the offtopic. Im planning to buy an Icom IC 970 for satellite operation. Any experience with this rig? Please reply offlist mc90606@hotmail.comDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.comDimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

_____
Stay organized with simple drag and drop from Windows Live Hotmail.
http://windowslive.com/Explore/hotmail?ocid=TXT_TAGLM_WL_hotmail_102008

2104. Re: [eu-amsat] SAT-GATE

Yahoo group: eu-amsat
Date: 2008-10-28 17:40:48 UTC
From: Thomas Frey
Topic: 2101 Message: 2104

st2nh schrieb:
> The APRS is on at ISS now.
> How many sat-gate available for this mode at Europe?
> Specially at south of Europe. in range of ISS foot print
> from my QTH!kk65gp !
> 73 DE ST2NH
>
>
>
>

Hello Nader, look here: http://www.ariss.net/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2105. SEED CW AUDIO

Yahoo group: eu-amsat
Date: 2008-10-28 21:10:57 UTC
From: st2nh
Topic: 2105 Message: 2105

```
Cube Satellite (SEED CO-66 ) CW Telemetery Audio
orbit # 2715
19:12 to 19:25 UTC
28-OCTOBER-2008
Grid KK65GP
http://www.st2nh.com/seedcwtelemeteryst2nh.mp3
73 DE ST2NH
```

2106. FO-29.

Yahoo group: eu-amsat
Date: 2008-10-28 22:36:11 UTC
From: John Hackett
Topic: 2106 Message: 2106

Hello Folks,
Is the FO-29 beacon operational ??.

I had a listen on the pass at 22:08 this evening but heard nothing.

I see from the Carr log that the satellite was operational today but there's no info about the beacon.

Anybody heard it in the last 24 hours or so ??.

Any relavant information very much appreciated.

73 John. <la2qaa@...>

2107. Re: [amsat-bb] FO-29.

Yahoo group: eu-amsat
Date: 2008-10-29 09:46:20 UTC
From: SV1BSX
Topic: 2107 Message: 2107

Hi John,

today morning the FO-29 @~08.30 Z / orbit #60253 it was OK, my return-signal on downlink was very good (as usual) and the Beacon also sent TLM.

I was also active yesterday night, not at 22:08, but on the previous orbit.

I noticed nothing unusual.

The FO-29 seems to be in good shape, except a small problem on a temperature sensor which send negative values, as pointed out on Amsat-BB.

My collected TLM:

Data 1

Main Relay ON : DCM ON
SRAM OFF : Packet OFF
JTA ON : JTD OFF
GAS OFF :
SAS OFF : UVC ON
UVC Level 1 : PCU Mode AUTO
PCU Level 3 : Battery Mode TRIC
Battery Logic TRIC :
Digitalker Mode OFF : UVC ACT/PAS PAS
CPU RUN/RESET RUN :
Spin Period 8271.0 [msec]
Sun Angle 72.5 [deg]
GAS-Z 490.2 [nT]
GAS-X 490.2 [nT]
Solar Panel Current 1235.3 [mA]
Battery Current -79.2 [mA]
Battery Voltage 15.9 [V]
Battery Middle Voltage 7.2 [V]
Bus Voltage 23.5 [V]
Analog Tx Power 733.9 [mW]
Structure Temp. 1 -11.3 [C]
Structure Temp. 2 13.9 [C]
Structure Temp. 3 -12.9 [C]
Structure Temp. 4 -12.1 [C]
Battery Cell Temp. -12.1 [C]

73, Mak SV1BSX

>
> Hello Folks,
> Is the FO-29 beacon operational ??.

>
> I had a listen on the pass at 22:08 this evening but heard nothing.
>
> I see from the Carr log that the satellite was operational today but
> there's no info about the beacon.
>
> Anybody heard it in the last 24 hours or so ??.
>
> Any relavant information very much appreciated.
>
> 73 John. <la2qaa@...>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

2108. Re: FO-29 telemetry

Yahoo group: eu-amsat
Date: 2008-10-29 11:29:02 UTC
From: SV1BSX
Topic: 2108 Message: 2108

Hello again,

I noticed that the "Bus Voltage" it was too high on my 1st collected telemetry. I received also the
next pass, in order to confirm that and yes, the "Bus Voltage" is unexpectedly high (23.5V)
comparing with any older telemetry were the Bus-voltage never was bigger than 17.5 Volts.

So, except the "strange" minus temperature, have we a new "fake" value?
Or Am I missing something about "BusVoltage"?

TLM rcvd @29Oct2008, 10:10Z, orbit#60254

```
---------
Data 1
---------
Main Relay ON : DCM ON
SRAM OFF : Packet OFF
JTA ON : JTD OFF
GAS OFF :
SAS OFF : UVC ON
UVC Level 1 : PCU Mode AUTO
PCU Level 3 : Battery Mode TRIC
Battery Logic TRIC :
Digitalker Mode OFF : UVC ACT/PAS PAS
CPU RUN/RESET RUN :
Spin Period 8356.0 [msec]
Sun Angle 72.5 [deg]
GAS-Z 490.2 [nT]
GAS-X 490.2 [nT]
Solar Panel Current 1264.7 [mA]
Battery Current -79.2 [mA]
Battery Voltage 15.9 [V]
Battery Middle Voltage 7.2 [V]
Bus Voltage 23.5 [V]
Analog Tx Power 694.9 [mW]
Structure Temp. 1 -11.7 [C]
Structure Temp. 2 -11.3 [C]
Structure Temp. 3 -12.9 [C]
Structure Temp. 4 -12.5 [C]
Battery Cell Temp. -12.1 [C]

---------
Data 2
---------
```

Main Relay ON : DCM ON
SRAM OFF : Packet OFF
JTA ON : JTD OFF
GAS OFF :
SAS OFF : UVC ON
UVC Level 1 : PCU Mode AUTO
PCU Level 3 : Battery Mode TRIC
Battery Logic TRIC :
Digitalker Mode OFF : UVC ACT/PAS PAS
CPU RUN/RESET RUN :
Spin Period 8356.0 [msec]
Sun Angle 72.5 [deg]
GAS-Z 490.2 [nT]
GAS-X 490.2 [nT]
Solar Panel Current 1254.9 [mA]
Battery Current -79.2 [mA]
Battery Voltage 15.9 [V]
Battery Middle Voltage 7.2 [V]
Bus Voltage 23.5 [V]
Analog Tx Power 766.4 [mW]
Structure Temp. 1 -11.7 [C]
Structure Temp. 2 -11.3 [C]
Structure Temp. 3 -12.5 [C]
Structure Temp. 4 -12.5 [C]
Battery Cell Temp. -12.1 [C]

----- Original Message -----

Sent: Wednesday, October 29, 2008 11:46 AM
Subject: [eu-amsat] Re: [amsat-bb] FO-29.

>
> Hi John,
>
> today morning the FO-29 @~08.30 Z / orbit #60253 it was OK, my
> return-signal
> on downlink was very good (as usual) and the Beacon also sent TLM.
>
> I was also active yesterday night, not at 22:08, but on the previous
> orbit.
>
> I noticed nothing unusual.
>
> The FO-29 seems to be in good shape, except a small problem on a
> temperature
> sensor which send negative values, as pointed out on Amsat-BB.
>
> My collected TLM:
> ---------
> Data 1
> ---------

> Main Relay ON : DCM ON
> SRAM OFF : Packet OFF
> JTA ON : JTD OFF
> GAS OFF :
> SAS OFF : UVC ON
> UVC Level 1 : PCU Mode AUTO
> PCU Level 3 : Battery Mode TRIC
> Battery Logic TRIC :
> Digitalker Mode OFF : UVC ACT/PAS PAS
> CPU RUN/RESET RUN :
> Spin Period 8271.0 [msec]
> Sun Angle 72.5 [deg]
> GAS-Z 490.2 [nT]
> GAS-X 490.2 [nT]
> Solar Panel Current 1235.3 [mA]
> Battery Current -79.2 [mA]
> Battery Voltage 15.9 [V]
> Battery Middle Voltage 7.2 [V]
> Bus Voltage 23.5 [V]
> Analog Tx Power 733.9 [mW]
> Structure Temp. 1 -11.3 [C]
> Structure Temp. 2 13.9 [C]
> Structure Temp. 3 -12.9 [C]
> Structure Temp. 4 -12.1 [C]
> Battery Cell Temp. -12.1 [C]
>
>
>
> 73, Mak SV1BSX
>
>
>
>
>
>>
>> Hello Folks,
>> Is the FO-29 beacon operational ??.
>>
>> I had a listen on the pass at 22:08 this evening but heard nothing.
>>
>> I see from the Carr log that the satellite was operational today but
>> there's no info about the beacon.
>>
>> Anybody heard it in the last 24 hours or so ??.
>>
>> Any relavant information very much appreciated.
>>
>> 73 John. <la2qaa@...>
>> _____
>> Sent via AMSAT-BB@.... Opinions expressed are those of the author.

>> Not an AMSAT-NA member? Join now to support the amateur satellite
>> program!
>> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
>
>
> ---
>
> Yahoo! Groups Links
>
>
>

2109. ISS crossband repeater active

Yahoo group: eu-amsat
Date: 2008-10-29 17:15:45 UTC
From: st2nh
Topic: 2109 Message: 2109

Kenneth, N5VHO reports that astronaut Mike Fincke, KE5AIT activated
the U/v crossband repeater onboard the ISS on Tuesday.

Enjoy while it is up.

Reminder:
The uplink is UHF (437.800 MHz) which can have up to 10 KHz of
Doppler either side of the center frequency.

Downlink is 145.800 MHz.

No PL tone.
---
source
http://www.southgatearc.org/index.htm

---
73 de st2nh

2110. Re: FO-29 telemetry

Yahoo group: eu-amsat
Date: 2008-10-31 22:15:42 UTC
From: st2nh
Topic: 2108 Message: 2110

Hi All
FO-29 TLM orbit # 60287
21:16 -21:34 UTC - 31/10/2008
At KK65GP

```
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 85 82 80 8b 7d f0 ad ae
f0 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 82 80 8b 80 f0 ae ae
f0 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 81 7f 8a 92 f1 af af
f0 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 80 7f 8a 83 f1 af f0
f1 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 8a 80 f1 f0 f0
f1 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 80 7e 89 6e f2 f0 f0
f1 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 89 86 f2 f0 f0
f1 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 89 7e f2 f0 f1
f2 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 85 80 7e 89 7b f2 f0 f1
f2 f0
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 89 73 f0 10 f1
2f f0
```

73 DE ST2NH

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:

```
>
> Hello again,
>
> I noticed that the "Bus Voltage" it was too high on my 1st
collected
> telemetry. I received also the
> next pass, in order to confirm that and yes, the "Bus Voltage" is
> unexpectedly high (23.5V)
> comparing with any older telemetry were the Bus-voltage never was
bigger
> than 17.5 Volts.
>
> So, except the "strange" minus temperature, have we a new "fake"
value?
> Or Am I missing something about "BusVoltage"?
>
```

```
> TLM rcvd @29Oct2008, 10:10Z, orbit#60254
>
> ---------
> Data 1
> ---------
> Main Relay ON : DCM ON
> SRAM OFF : Packet OFF
> JTA ON : JTD OFF
> GAS OFF :
> SAS OFF : UVC ON
> UVC Level 1 : PCU Mode AUTO
> PCU Level 3 : Battery Mode TRIC
> Battery Logic TRIC :
> Digitalker Mode OFF : UVC ACT/PAS PAS
> CPU RUN/RESET RUN :
> Spin Period 8356.0 [msec]
> Sun Angle 72.5 [deg]
> GAS-Z 490.2 [nT]
> GAS-X 490.2 [nT]
> Solar Panel Current 1264.7 [mA]
> Battery Current -79.2 [mA]
> Battery Voltage 15.9 [V]
> Battery Middle Voltage 7.2 [V]
> Bus Voltage 23.5 [V]
> Analog Tx Power 694.9 [mW]
> Structure Temp. 1 -11.7 [C]
> Structure Temp. 2 -11.3 [C]
> Structure Temp. 3 -12.9 [C]
> Structure Temp. 4 -12.5 [C]
> Battery Cell Temp. -12.1 [C]
>
> ---------
> Data 2
> ---------
> Main Relay ON : DCM ON
> SRAM OFF : Packet OFF
> JTA ON : JTD OFF
> GAS OFF :
> SAS OFF : UVC ON
> UVC Level 1 : PCU Mode AUTO
> PCU Level 3 : Battery Mode TRIC
> Battery Logic TRIC :
> Digitalker Mode OFF : UVC ACT/PAS PAS
> CPU RUN/RESET RUN :
> Spin Period 8356.0 [msec]
> Sun Angle 72.5 [deg]
> GAS-Z 490.2 [nT]
> GAS-X 490.2 [nT]
> Solar Panel Current 1254.9 [mA]
> Battery Current -79.2 [mA]
```

> Battery Voltage 15.9 [V]
> Battery Middle Voltage 7.2 [V]
> Bus Voltage 23.5 [V]
> Analog Tx Power 766.4 [mW]
> Structure Temp. 1 -11.7 [C]
> Structure Temp. 2 -11.3 [C]
> Structure Temp. 3 -12.5 [C]
> Structure Temp. 4 -12.5 [C]
> Battery Cell Temp. -12.1 [C]
>
>
>
>
> ----- Original Message -----
>
> Sent: Wednesday, October 29, 2008 11:46 AM
> Subject: [eu-amsat] Re: [amsat-bb] FO-29.
>
>
> >
> > Hi John,
> >
> > today morning the FO-29 @~08.30 Z / orbit #60253 it was OK, my
> > return-signal
> > on downlink was very good (as usual) and the Beacon also sent TLM.
> >
> > I was also active yesterday night, not at 22:08, but on the
previous
> > orbit.
> >
> > I noticed nothing unusual.
> >
> > The FO-29 seems to be in good shape, except a small problem on a
> > temperature
> > sensor which send negative values, as pointed out on Amsat-BB.
> >
> > My collected TLM:
> > ---------
> > Data 1
> > ---------
> > Main Relay ON : DCM ON
> > SRAM OFF : Packet OFF
> > JTA ON : JTD OFF
> > GAS OFF :
> > SAS OFF : UVC ON
> > UVC Level 1 : PCU Mode AUTO
> > PCU Level 3 : Battery Mode TRIC
> > Battery Logic TRIC :
> > Digitalker Mode OFF : UVC ACT/PAS PAS
> > CPU RUN/RESET RUN :

> > Spin Period 8271.0 [msec]
> > Sun Angle 72.5 [deg]
> > GAS-Z 490.2 [nT]
> > GAS-X 490.2 [nT]
> > Solar Panel Current 1235.3 [mA]
> > Battery Current -79.2 [mA]
> > Battery Voltage 15.9 [V]
> > Battery Middle Voltage 7.2 [V]
> > Bus Voltage 23.5 [V]
> > Analog Tx Power 733.9 [mW]
> > Structure Temp. 1 -11.3 [C]
> > Structure Temp. 2 13.9 [C]
> > Structure Temp. 3 -12.9 [C]
> > Structure Temp. 4 -12.1 [C]
> > Battery Cell Temp. -12.1 [C]
> >
> >
> >
> > 73, Mak SV1BSX
> >
> >
> >
> >
> >
> >>
> >> Hello Folks,
> >> Is the FO-29 beacon operational ??.
> >>
> >> I had a listen on the pass at 22:08 this evening but heard
nothing.
> >>
> >> I see from the Carr log that the satellite was operational today
but
> >> there's no info about the beacon.
> >>
> >> Anybody heard it in the last 24 hours or so ??.
> >>
> >> Any relavant information very much appreciated.
> >>
> >> 73 John. <la2qaa@...>
> >> _____
> >> Sent via AMSAT-BB@... Opinions expressed are those of the author.
> >> Not an AMSAT-NA member? Join now to support the amateur
satellite
> >> program!
> >> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
> >
> >
> > ------------------------------------

> >
> > Yahoo! Groups Links
> >
> >
> >
>

2111. Re: [amsat-bb] Re: Newbie question about AO-07

Yahoo group: eu-amsat
Date: 2008-11-01 15:43:09 UTC
From: Luc Leblanc
Topic: 2111 Message: 2111

On 31 Oct 2008 at 19:41, Dave Guimont wrote:

not by some "go to the store and buy a
> push button radio" to make it easy!! AO51 FM voice!! Waste of money...
>
Hi Dave

You make me remember the time just before the first cellular phone come on the market they where quite expensive 1500$. Many ham club base
their recruiting on the "phone patch" a FREE and easy available look a like cellular push button phone... Membership increased by a factor
of 10 here but if i'm looking at the 2008 membership theses new "push button hams" disappear in thin air!

I previously wrote about AMSAT-NA recruiting ideas" This recruiting is not aiming the right target at all. Refocused the recruiting
campaign towards college and universities with some appealing actual argumenting will be far more effective IMHO."

There is no need to have spectacular stage effect to attract. Just make small move around your community. It takes a very small amount of
very small things to show the crowds what's HAM radio is about. I just come out the scout jamboree and look at my web page
www.qsl.net/ve2dwe it takes a straight CW key on one side and the ISS with SSTV pictures on the other to have young folks making their
first contact with ham radio.

P.S. the newspaper article is in french if someone needs a translation just ask for it.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2112. SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-01 18:12:00 UTC
From: st2nh
Topic: 2112 Message: 2112

HI ALL
using HRD is ok with all satellites except with seed co-60 cube sat
it refused to update its keps or show up CO-60 on sat list
only seed lable stuck to 0:0
any advice
im using the last HRD vesion with xp >
73 de st2nh

2113. Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-01 18:22:36 UTC
From: st2nh
Topic: 2112 Message: 2113

thank
i solved the problem by satellite definitions >thanks Simon for nice software :-)
i need to read the help file before QRM here hi hi
73 de st2nh

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> HI ALL
> using HRD is ok with all satellites except with seed co-60 cube sat
> it refused to update its keps or show up CO-60 on sat list
> only seed lable stuck to 0:0
> any advice
> im using the last HRD vesion with xp >
> 73 de st2nh
>

2114. EST time change

Yahoo group: eu-amsat
Date: 2008-11-02 16:54:27 UTC
From: Luc Leblanc
Topic: 2114 Message: 2114

If your PC's are not making the change yet just remember we are now on EST since 0200 November 2 and you have to change the UTC off set in
some tracking program to -5 (those on EST)

On a lighter note you can check on this web site for those who does not like going out work in the dark. It will give you a boost in light
if you are sensitive to the lack of light especially in the first few days. Theses light depressions remain normally 2 days and things will
start to improve afterwards but you should take the appropriate measures and steps as going to bed early and stop taking coffee for the
next 2 days.In short don't be a slacker!

http://www.youtube.com/watch?v=CcEiR01QK7o

P.S. The frequency of the station is 96.9mhz it is in range here at my QTH with only a MP3 combo FM portable tiny receiver LOL

A proud US back yard humouristic neighbour!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2115. Re: ISS crossband repeater active

Yahoo group: eu-amsat
Date: 2008-11-02 19:19:00 UTC
From: Bratu Florian Gabriel
Topic: 2109 Message: 2115

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>
>
>
> Kenneth, N5VHO reports that astronaut Mike Fincke, KE5AIT activated
> the U/v crossband repeater onboard the ISS on Tuesday.
>
> Enjoy while it is up.
>
> Reminder:
> The uplink is UHF (437.800 MHz) which can have up to 10 KHz of
> Doppler either side of the center frequency.
>
> Downlink is 145.800 MHz.
>
> No PL tone.
> -----
> source
> http://www.southgatearc.org/index.htm
>
> ----------
> 73 de st2nh
Is enebody heard the repetor? It's working only packet module on 145.825

2116. Video - A Satellite For All Radio Amateurs

Yahoo group: eu-amsat
Date: 2008-11-02 21:54:29 UTC
From: Thomas Frey
Topic: 2116 Message: 2116

An Amateur Satellite promotional video produced back in the early 90's
is now available on YouTube

Have Fun / Viel Vergn?gen

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2117. Video - A Satellite For All Radio Amateurs

Yahoo group: eu-amsat
Date: 2008-11-02 21:56:14 UTC
From: Thomas Frey
Topic: 2116 Message: 2117

An Amateur Satellite promotional video produced back in the early 90's
is now available on YouTube

http://www.southgatearc.org/news/november2008/satellite_for_all_amateurs.htm

Have Fun / Viel Vergn?gen

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2118. Re: [eu-amsat] Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-03 09:36:23 UTC
From: Simon (Laptop)
Topic: 2112 Message: 2118

At least you read the help file :-)

Simon HB9DRV
www.ham-radio-deluxe.com

From: "st2nh" <st2nh@...>

> thank
> i solved the problem by satellite definitions >thanks Simon for nice
> software :-)
> i need to read the help file before QRM here hi hi
> 73 de st2nh

2119. Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-07 19:31:41 UTC
From: st2nh
Topic: 2112 Message: 2119

HI Simon,HB9DRV
Using HRD satellite tracking with a home-brew CI-V and hamscope
software .I managed to received alot of cube sat and Fo-20 CW
telemetry. doppler shift was a history with this setup!
see the link
http://www.st2nh.com/satellites
73 de Nader st2nh

--- In eu-amsat@yahoogroups.com, "Simon \(Laptop\)"
<simon.brown@...> wrote:
>
> At least you read the help file :-)
>
> Simon HB9DRV
> www.ham-radio-deluxe.com
>
> ----------
> From: "st2nh" <st2nh@...>
>
> > thank
> > i solved the problem by satellite definitions >thanks Simon for
nice
> > software :-)
> > i need to read the help file before QRM here hi hi
> > 73 de st2nh
>

2120. Re: [eu-amsat] Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-07 19:35:56 UTC
From: Simon Brown (KNS)
Topic: 2112 Message: 2120

Hi Nader,

Glad you like it - shame many people with modern CAT-controlled radios don't apply Doppler shift :-(

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "st2nh" <st2nh@...>

> Using HRD satellite tracking with a home-brew CI-V and hamscope
> software .I managed to received alot of cube sat and Fo-20 CW
> telemetry. doppler shift was a history with this setup!

2121. Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-07 20:51:20 UTC
From: st2nh
Topic: 2112 Message: 2121

Hi Simon
using same setup I just got a nice FO-29 CW TLM
20:10-20:25 UTC
7-11-2008
ORBIT#60.381
QTH KK65GP
Rig IC-910
Antenna 12 element homebrew fixed vertical polarazation
with UHF pre-amp
OS XP , proceccor 500 Ram 348!- an old machine :-)
i notce some shift on the doppler before and after TCA
need some fine manual corection .

hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 81 7f 8a 80 f0 f0 ab
a9 ad
hi hi 22 22 88 d5 8f 05 05 25 90 24 01 01 01 83 81 7f 8a 7f f0 f0 ab
aa ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 81 7f 8a 82 f0 f0 ab
aa ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 81 7f 8a 78 f0 f0 ab
aa ad
hi hi 22 22 8o d5 8f 05 05 25 00 24 01 01 01 84 81 7f 8a 58 f0 f0 ac
aa ad
hi hi 22 22 80 d5 8f 05 05 25 00 24 01 01 01 84 81 7f 8a 70 f0 f1 ac
aa ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 80 7f 8a 5c f1 f1 ac
ab ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 81 7e 89 8b f1 f1 ac
ab ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 89 8e f1 f1 ac
ab ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 82 80 7e 89 87 f1 f1 ad
ab ad
hi hi 22 22 88 d5 8f 05 05 25 00 24 01 01 01 83 80 7e 89 71 f1 f1 ad
ac ad
hi hn 22 22 88 d5 8f 05 05 25 00 24 01 01 01 84 80 7e 89 77 f1 f2 ad
ac ad

73 de Nader , st2nh

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> Hi Nader,
>
> Glad you like it - shame many people with modern CAT-controlled

radios don't
> apply Doppler shift :-(
>
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
>
> > Using HRD satellite tracking with a home-brew CI-V and hamscope
> > software .I managed to received alot of cube sat and Fo-20 CW
> > telemetry. doppler shift was a history with this setup!
>

2122. Re: [eu-amsat] Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-07 20:57:26 UTC
From: Simon Brown (KNS)
Topic: 2112 Message: 2122

For Doppler correction to be 100%:

1) Make sure your computer time is correct - there's a NTP Client in the Tools menu (Time Synchronisation).
2) Make sure you entered your lat / lon correctly.
3) Get the very latest Kepler data - I use Celestrak.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "st2nh" <st2nh@...>

> i notce some shift on the doppler before and after TCA
> need some fine manual corection .

2123. Re: [eu-amsat] Re: SEED II AND HRD

Yahoo group: eu-amsat
Date: 2008-11-08 15:09:46 UTC
From: Thomas Frey
Topic: 2112 Message: 2123

Simon Brown (KNS) schrieb:
> Hi Nader,
>
> Glad you like it - shame many people with modern CAT-controlled radios don't
> apply Doppler shift :-(
>

I agree Simon. So I "lost" a few QSO's on FO-29. The OPs "runs"
away from my QRG on the transponder. I was also calling in the middle
of the passband on a stable downlink frequency (435.850). This means,
the uplink MUST be controlled by software in sum of 2m + 70cm doppler
(I wrote also my own program for OS/2).

If all would operate with the same procedure, with a stable downlink
QRG, then it would be easy to have SSB-QSO's via LEO-satellites.
> Simon Brown, HB9DRV
> www.ham-radio-deluxe.com
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2124. Re: [amsat-bb] AJAX

Yahoo group: eu-amsat
Date: 2008-11-10 02:52:29 UTC
From: Luc Leblanc
Topic: 2124 Message: 2124

On 9 Nov 2008 at 10:54, Bob McGwier wrote:

> I am looking for anything remotely resembling expert advice on AJAX. I am
> looking for recommendations on books, development tools, etc.
>
>
>
> Please respond directly to me. I am doing an open source project and I want
> to do a lot of the work using AJAX.
>
>

If this can be of any help! As i'm not a programming guru's my expertise is very limited but i'm sure this can help someone.

http://www.colgate.com/app/Colgate/US/HC/Products/HouseholdCleaners/Ajax.cvsp

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2125. Re: [eu-amsat] Re: [amsat-bb] AJAX

Yahoo group: eu-amsat
Date: 2008-11-10 17:04:42 UTC
From: Thomas Frey
Topic: 2124 Message: 2125

Luc Leblanc schrieb:
> On 9 Nov 2008 at 10:54, Bob McGwier wrote:
>
>
>> I am looking for anything remotely resembling expert advice on AJAX. I am
>> looking for recommendations on books, development tools, etc.
>>
>>
>>
>> Please respond directly to me. I am doing an open source project and I want
>> to do a lot of the work using AJAX.
>>
>>
>>
>
> If this can be of any help! As i'm not a programming guru's my expertise is very limited
but i'm sure this can help someone.
>
> http://www.colgate.com/app/Colgate/US/HC/Products/HouseholdCleaners/Ajax.cvsp
>
>
>
>
>
Ha ha ha ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2126. Re: [eu-amsat] Re: [amsat-bb] AJAX

Yahoo group: eu-amsat
Date: 2008-11-11 01:06:21 UTC
From: Luc Leblanc
Topic: 2124 Message: 2126

On 10 Nov 2008 at 18:04, Thomas Frey wrote:

> Luc Leblanc schrieb:
> > On 9 Nov 2008 at 10:54, Bob McGwier wrote:
> >
> >
> >> I am looking for anything remotely resembling expert advice on AJAX. I am
> >> looking for recommendations on books, development tools, etc.
> >>
> >>
> >>
> >> Please respond directly to me. I am doing an open source project and I want
> >> to do a lot of the work using AJAX.
> >>
> >>
> >>
> >
> > If this can be of any help! As i'm not a programming guru's my expertise is very
limited but i'm sure this can help someone.
> >
> > http://www.colgate.com/app/Colgate/US/HC/Products/HouseholdCleaners/Ajax.cvsp
> >
> >
> >
> >
> >
> Ha ha ha ;-)

Just for the record this one does not pass the AMSAT-NA censorship bureau. Probably the
censor in chief was not in a good humouristic mood
probably a side effect of the presidential election results or the new AMSAT-NA leadership
changes... All positives news from my stand
point.

P.S. i resend this one again on AMSAT-BB

Speaking of humour

4 guys are discussing about what it is the fastest thing on the earth. The first one says
it is the tiger as he run very fast, the second
one says it is the thought the third one says no it's the light it's faster than anything
else the fourth one says no you don't get it at
all the fastest thing it's the dhiarrea! even if you are running as fast as a tiger toward
the toilet you don't even have the time to
think to open the light that the dammage is already done...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2127. AO-51 SSTV

Yahoo group: eu-amsat
Date: 2008-11-11 14:33:00 UTC
From: Luc Leblanc
Topic: 2127 Message: 2127

On my 0553 EST pass the SSTV downlink audio was OK i succeed to send pictures but i was alone on the sat. The transmitter is switching on as
soon as SSTV signal is received but when the carrier is shutting down i can hear a very weak carrier just above the noise level i will try
to recorded it on spectran. It looks like some sort of beacon carrier who is always on but at a very low power or some RF is leaking
out???

Did any one in EU hear that too?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2128. Re: [eu-amsat] AO-51 SSTV

Yahoo group: eu-amsat
Date: 2008-11-11 18:48:13 UTC
From: Thomas Frey
Topic: 2127 Message: 2128

Luc Leblanc schrieb:
> On my 0553 EST pass the SSTV downlink audio was OK i succeed to send pictures but i
> was alone on the sat. The transmitter is switching on as
> soon as SSTV signal is received but when the carrier is shutting down i can hear a
> very weak carrier just above the noise level i will try
> to recorded it on spectran. It looks like some sort of beacon carrier who is always
> on but at a very low power or some RF is leaking
> out???
>
> Did any one in EU hear that too?
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>

Hi Luc

I observed 435.150 over the weekend, but heard nothing. No SSTV and
no FM carrier.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2129. Re: [amsat-bb] Re: COMPASS-1 support at the West Coast (i8cvs)

Yahoo group: eu-amsat
Date: 2008-11-11 23:23:49 UTC
From: Luc Leblanc
Topic: 2129 Message: 2129

On 11 Nov 2008 at 15:33, Bob DeVarney W1ICW wrote:

> I think Domenico's comments show poor Amateur Spirit. But each are
> entitled to their own opinion.
>
Between the Devil and the deep blue sea the other alternative is to seek funding and help on the military side. In the present financial
and organizational context (Thank's Domenico for the papers) it look like we should better start to level up our skirt a bit. Not to a
point to have a mini skirt but close to it...but not to a point to prostitute ourself as i wrote in the past on the same very subject.

Can we gain something in helping commercial interest? versus some losses in the "ham spirit"? Is it worthwhile to at least seek for all
the available options.

If we speak about the "ham spirit" my last visit at the Dearfield Hamfest show me that things are changing. From the an whole Ham family
including 2 new young 10 to 13 years old ham girls with their own HT'S and a group of teenager including two girls (HAM) in a truck box
trying to tuned an HF rig both wearing low waist jeans showing up their upper J-string part tells me the secular amateur radio conformism
seems to take some slack...

Is the ham radio spirit is defined by what they are wearing? i think not and expressing an opinion is as valuable as another one and does
not make one better or worse regarding the "Ham spirit" as the fact to wear a J-string or not.

My 2 J-strings...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE
For a free amateur radio reflector visit http://groups.yahoo.com/group/eu-amsat/

2130. AO-51 SSTV NOV 11

Yahoo group: eu-amsat
Date: 2008-11-12 06:49:21 UTC
From: Luc Leblanc
Topic: 2130 Message: 2130

HI

I put on my web page www.qsl.net/ve2dwe the following SSTV pictures received on Nov 11 on the 2349 pass. I am able to received my own
downlink picture and i am looking to ID one picture with a face.

KB1PVT
VA3VQA
VA7YW
YV5MM
A FACE??? Who is he?

P.S. Still don't get any info's on the very weak carrier exactly at the same downlink frequency who is always on between the SSTV
transmission?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2131. [amsat-bb] Re: COMPASS-1 support at the West Coast (i8cvs)

Yahoo group: eu-amsat
Date: 2008-11-12 12:06:18 UTC
From: Allan Copland
Topic: 2129 Message: 2131

For anyone looking to read the original thread on the AMSAT-BB
reflector, it can be found at...

http://www.amsat.org/amsat/archive/amsat-bb/48hour/msg67447.html

Just in case you also were as confused as I was :-)
I rarely ever peruse the AMSAT-BB. It's just too vitriolic for my liking.

73 Al.
GM1SXX

2132. I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-12 12:36:29 UTC
From: Allan Copland
Topic: 2132 Message: 2132

You can read more at...

http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972

Allan Copland
A-UK 3286

2133. RE: [eu-amsat] [amsat-bb] Re: COMPASS-1 support at the West Coast (i8cvs)

Yahoo group: eu-amsat
Date: 2008-11-12 13:18:11 UTC
From: John Hackett
Topic: 2129 Message: 2133

I absolutely endorse GM1SXX's comments. Sometimes, some of the the comments on the Amsat-bb are vitriolic ... which is precisely why SV1BSX, GM1SXX and myself started this one.

IMHO Domenico has contributed greatly to the satellite community.

Who is/was the belligerent American ??.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@hotmail.com
Date: Wed, 12 Nov 2008 12:06:18 +0000
Subject: [eu-amsat] [amsat-bb] Re: COMPASS-1 support at the West Coast (i8cvs)

For anyone looking to read the original thread on the AMSAT-BB

reflector, it can be found at...

http://www.amsat.org/amsat/archive/amsat-bb/48hour/msg67447.html

Just in case you also were as confused as I was :-)

I rarely ever peruse the AMSAT-BB. It's just too vitriolic for my liking.

73 Al.

GM1SXX

2134. Personal attack on AMSAT-BB

Yahoo group: eu-amsat
Date: 2008-11-12 14:43:29 UTC
From: Luc Leblanc
Topic: 2129 Message: 2134

MESSAGE TO BE SEEN ALL OVER THE WORLD WITH COPY TO AMSAT-BB BOD AND AMSAT-BB (Just have a look if he is apearing on AMSAT-BB?)

On 12 Nov 2008 at 14:18, John Hackett wrote:

>
> I absolutely endorse GM1SXX's comments. Sometimes, some of the the
> comments on the Amsat-bb are vitriolic ... which is precisely why SV1BSX,
> GM1SXX and myself started this one.
>
> IMHO Domenico has contributed greatly to the satellite community.
>
> Who is/was the belligerent American ??.

I was running a campaign for 2 years to have them "AMSAT-BB and their BOD" implemented some sort of control eg: a moderator on their BB. it
is pretty obvious that they are censoring their BB it is far away from moderating it. We finally get rid of the poor souls by exhausting
them in their personal attack. We probably don't get rid off all the cockroaches who where infesting AMSAT-BB 2 years ago.

The past BOD under the non guidance of Rick Hambly W2GPS who failed on many issues and the non acting on theses personal attack is only
reflecting a lack of judgement and the rotten AMSAT-BB structure. It is a failing organization who still sunk in the same habits. Who will
send money to a so poor BOD minded group?

It is not a question of being a belligerent American but we JUST HAVE in front of our eyes a failing country where their financial
economical system is collapsing as well as their auto industry and so goes AMSAT-NA. Nothing will change it is always the very same folks
who run year after year on their hollow BOD.

There is at least one drop of hope they just change their commander in chief and he will clean the place with new blood. Here is stopped
the comparisons with the AMSAT-NA BOD!

On a positive note they open their president club elite group diner to all this year...the bad mouth will say instead of having a lunch
with 3 or 4 guys they prefer to at least filled one round table or two!

God bless AMSAT-NA BOD

http://www.metacafe.com/watch/433279/cocroach/ The actual BOD prefer song...

P.S. NOTE TO THE AMSAT-NA BOD: OPEN YOUR EYES ARE YOU SLEEPING ON THE SWITCH!!! IT IS MIDNIGHT MINUS ONE MINUTE!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2135. Re: [eu-amsat] I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-12 21:57:32 UTC
From: Thomas Frey
Topic: 2132 Message: 2135

Allan Copland schrieb:
> You can read more at...
>
> http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
>
> Allan Copland
> A-UK 3286
>
>
>

Does new "old" discussions about CubeSat flood us again ? :-(

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2136. SSTV captures of the day

Yahoo group: eu-amsat
Date: 2008-11-13 03:35:07 UTC
From: Luc Leblanc
Topic: 2136 Message: 2136

With my own Alien i got 3 pics Kb2HSH a bird and a face with no ID. Always on
www.qsl.net/ve2dwe
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2137. SSTV vs Alien pics

Yahoo group: eu-amsat
Date: 2008-11-13 04:02:56 UTC
From: Luc Leblanc
Topic: 2137 Message: 2137

I forgot to mention the Alien SSTV pics is a special one. Have your childs looking at it and tell them the Alien will follow them with his
eyes the effect is a bit less effective on a picture but with the real one it makes a 3 years old girl cry :(

It was from my halloween stock still on the shelve

As he says resistance is futile you cannot escape his eyes

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2138. Re: I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-13 08:45:48 UTC
From: Allan Copland
Topic: 2132 Message: 2138

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Allan Copland schrieb:
> > You can read more at...
> > http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
> >

Hi Thomas.

I'm totally confused as to *why* the IARU would allocate a piece of spectrum in the'amateur satellite service' to what is clearly stated as NOT and amateur satellite.

Since you obviously have such a keen interest in my personal opinions... perhaps *you* could explain this one to me?

here's a snippet for you...from Mark's site.
>As a practical matter, the COMPASS-1 team sought coordination for the use of amateur frequencies from the IARU, and obtained such authorization from them back in 2006. I've provided links to the IARU guidelines in the main article. Some have argued that the IARU aren't strict enough in their grant of amateur frequencies. I am willing to consider that as a reasonable position, but the COMPASS-1 team aren't operating illegally. They applied for and were granted the capability to operate their satellite within the amateur band. They did things the right way, and the legal way.

Right and legal? I'm sure those two points are very debatable indeed. If the IARU don't care who uses the satellite sub-bands, then the allocations become 'fair game' for anyone to use.

That is what I'm concerned about!

73 Al.
GM1SXX

2139. Re: [eu-amsat] Re: I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-13 13:22:35 UTC
From: Luc Leblanc
Topic: 2132 Message: 2139

On 13 Nov 2008 at 8:45, Allan Copland wrote:

> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> > Allan Copland schrieb:
> > > You can read more at...
> > > http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
> > >
>
> Hi Thomas.
>
> I'm totally confused as to *why* the IARU would allocate a piece of
> spectrum in the'amateur satellite service' to what is clearly stated
> as NOT and amateur satellite.
>
Just look at the IARU board and check who run it in reality this will give you an answer.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2140. RE: [eu-amsat] Re: I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-13 13:54:16 UTC
From: Al copland
Topic: 2132 Message: 2140

Thanks for the info Luc.

I'll have a look when I have some free time.

Al.

> To: eu-amsat@yahoogroups.com
> From: lucleblanc6@...
> Date: Thu, 13 Nov 2008 08:22:35 -0500
> Subject: Re: [eu-amsat] Re: I'm with Domenico.... but not for the reasons you may think!
>
> On 13 Nov 2008 at 8:45, Allan Copland wrote:
>
> > --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> > > Allan Copland schrieb:
> > > > You can read more at...
> > > > http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
> > > >
> >
> > Hi Thomas.
> >
> > I'm totally confused as to *why* the IARU would allocate a piece of
> > spectrum in the'amateur satellite service' to what is clearly stated
> > as NOT and amateur satellite.
> >
> Just look at the IARU board and check who run it in reality this will give you an answer.
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

See the most popular videos on the web
http://clk.atdmt.com/GBL/go/115454061/direct/01/

2141. Re: [eu-amsat] Re: I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-13 19:02:02 UTC
From: Thomas Frey
Topic: 2132 Message: 2141

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> Allan Copland schrieb:
>>
>>> You can read more at...
>>> http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
>>>
>>>
>
> Hi Thomas.
>
> I'm totally confused as to *why* the IARU would allocate a piece of
> spectrum in the'amateur satellite service' to what is clearly stated
> as NOT and amateur satellite.
>
> Since you obviously have such a keen interest in my personal
> opinions... perhaps *you* could explain this one to me?
>

Yes of course, Hi Allen and group

We had many discussions about the CubeSats in the AMSAT-DL-Forum
after the launches of the first CubeSats in 2003. Norbert, DF5DP
and member of the IARU satellite group, explained it as follows
(in short):

1st: The IARU is not an authoritie who can forbid the use of our HAM
frequencies.

2nd: Its better [and an successfull effort of IARU] to coordinate
the frequencies into the 437 MHz band than to leave it uncoordinated.
Uncoordinated CubeSats disturbs our satellite band more than coordinated.

You can see that as an example for the russian Mozhayets 4 (RS-22) and
Yubileiny (RS-30). Both sends on 435.3nn MHz. THESE sats are intruders
and illegal and also not coordinated. THESE sats are also no Radio Sputniks
as we know it until RS-16 with transponder(s) and beacon.

If a new russian satellite or payload (on an Iranian satellite (Sinah-1))
launches with HAM frequencies on the downlink our whole community cries
"hurra(y)" and on the other hand we inveigh about the CubeSats. That's
schizophrenic. This are my own 2 cents (Rappen in Switzerland).

> here's a snippet for you...from Mark's site.
>
>> As a practical matter, the COMPASS-1 team sought coordination for the
>>
> use of amateur frequencies from the IARU, and obtained such
> authorization from them back in 2006. I've provided links to the IARU
> guidelines in the main article. Some have argued that the IARU aren't
> strict enough in their grant of amateur frequencies.

The IARU does not grant, the IARU coordinates. See also above 1st point.
This is an often disregard.

> I am willing to
> consider that as a reasonable position, but the COMPASS-1 team aren't
> operating illegally. They applied for and were granted the capability
> to operate their satellite within the amateur band. They did things
> the right way, and the legal way.
>

I agree

> Right and legal? I'm sure those two points are very debatable indeed.
>

Right ? For universities yes, if they share the satellites experiments with
us HAMs.

Legal ? Not for companies like QuakeFinder with their QuakeSat. And not for
universities with "closed" communication protocols and experiments. For
amateur radio it MUST be opend.

> If the IARU don't care who uses the satellite sub-bands, then the
> allocations become 'fair game' for anyone to use.
>

You have the possibility to report an intruder at your local amateur radio
group. Again, the IARU is just a HAM organisation and has no authority to
forbid anything.

> That is what I'm concerned about!
>
> 73 Al.
> GM1SXX
>
>
>

Its like in the real life: right to have is not the same as right to
become.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2142. Re: [eu-amsat] Re: I'm with Domenico.... but not for the reasons you may think!

Yahoo group: eu-amsat
Date: 2008-11-13 19:10:36 UTC
From: Thomas Frey
Topic: 2132 Message: 2142

Al copland schrieb:
> Thanks for the info Luc.
>
> I'll have a look when I have some free time.
>
> Al.

Hmmm... is this the real answer ? (read my previous posting, I was not
so quick as Luc)

>
>
> > To: eu-amsat@yahoogroups.com
> > From: lucleblanc6@...
> > Date: Thu, 13 Nov 2008 08:22:35 -0500
> > Subject: Re: [eu-amsat] Re: I'm with Domenico.... but not for the
> reasons you may think!
> >
> > On 13 Nov 2008 at 8:45, Allan Copland wrote:
> >
> > > --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> > > > Allan Copland schrieb:
> > > > > You can read more at...
> > > > >
> http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/#comment-123972
> > > > >
> > >
> > > Hi Thomas.
> > >
> > > I'm totally confused as to *why* the IARU would allocate a piece of
> > > spectrum in the'amateur satellite service' to what is clearly stated
> > > as NOT and amateur satellite.
> > >
> > Just look at the IARU board and che ck who run it in reality this
> will give you an answer.
> >
> > "-"
> >
> >
> > Luc Leblanc VE2DWE
> > Skype VE2DWE
> > www.qsl.net/ve2dwe
> > WAC BASIC CW PHONE SATELLITE
> >

> >
> >
> >
> > ----------
> >
> > Yahoo! Groups Links
> >
> >
> >
>
> ----------
> BigSnapSearch.com - 24 prizes a day, every day. Search now
> <http://clk.atdmt.com/UKM/go/117442309/direct/01/>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2143. RE: Who is/was the belligerent American ??.

Yahoo group: eu-amsat
Date: 2008-11-13 19:46:31 UTC
From: John Hackett
Topic: 2143 Message: 2143

Hello Mark,
I believed before, and I still do, that you jumped to the wrong conclusion regarding Dominico's
mail. He, like several of we Europeans are of the opinion that Amsat is selling us out - for the wrong reasons.

I believe he meant that which GM1SXX put more eloquently in 'his' posts ... I think everyone agrees that a
self proclaimed NON-AMATEUR satellite has no business in the amateur bands. I believe his command of English was not adequate to express himself, remember, English is *NOT* his mother tongue.

Amsat must accept part of the responsibility for the current state of affairs in this argument cum debate.

Amsat is *NOT* the democratic organisation it professes to be.

I might suggest people read the 13 commandments on the Observations page at <www.observations.biz>
for an overview of the general consensus of European opinion ... with a few notable "Amsat officer" opinions.

Like several of your fellow Americans have commented, I believe an apology would go a long way to pouring
oil on troubled waters. I have no personal grievance with either of the parties but since you mailed me it is
only polite for me to reply.

I also believe that everyone is entitled to their opinion - but we should all strive to keep it friendly and refrain
from personal verbal attacks.

A quick check of any decent dictionary will show what belligerent means. I believe I used the word in the
correct context under the circumstances.

BTW, I have no personal connection with Domenico - other than as a fellow amateur radio operator interested
in satellites.
Have a nice day mark.
organisation

Only Domenico can answer the above but like the sensible man he is - he's keeping quiet.

Date: Thu, 13 Nov 2008 10:40:10 -0800
From: kf6kyi@...
To: la2qaa@...

Subject: Who is/was the belligerent American ??.

I received a message from Luc where you asked "who was the belligerent American???" who has been causing all the trouble on amsat-bb. I'm not sure whether you were truly interested or whether the question was purely rhetorical, but that person would undoubtedly be me. I've documented the entire episode on my blog (which I see has shown up on the eu-amsat reflector), which explains my position in some detail.

http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/

I understand that Domenico has considerable expertise and even enthusiasm for the amateur satellite service. But he was out of line in suggesting that the proper way to get help from radio amateurs help was to pay for our satellites. I don't think this is just a matter of "opinion", we cannot accept payment for communication services, and that's precisely what Domenico was suggesting. A licensed radio amateur asked for help from a satellite that was operating on amateur frequencies in accordance with all regulations, and Domenico asked for monetary contributions in exchange.

I found that distasteful. Really distasteful.

I understand that many people hold the view that cubesats aren't _really_ amateur satellites or that they aren't _really_ entitled to use our frequencies. If that was the only argument that Domenico was making, I'd have disagreed with him (for the reasons which I outlined as my blog) but I wouldn't have responded as I did. But instead, he chose to offer the services of the amateur service in exchange for monetary donations, which was way out of line.

Apparently most people disagree with me. My email is breaking about 75/25 against/for my comments. Even among the people who largely agreed with me, they suggest that I could have done so more tactfully, as Bruce VE9QRP did. I would admit that they are certainly correct. I will consider that what I said might have been more effective had I held back the extreme distaste I had for Domenico's comments, but I do not apologize for them. I suppose I'll have to live with the characterization as a "belligerent American".

If you've read this far, thanks for the opportunity to have presented my side of the story.

Mark KF6KYI

2144. IARU Region 1 - Cavtat 08

Yahoo group: eu-amsat
Date: 2008-11-14 08:21:41 UTC
From: Trevor
Topic: 2144 Message: 2144

The IARU Region 1 Conference in Cavtat starts this weekend, see
http://www.southgatearc.org/news/november2008/iaru_r1_cavtat.htm

There are a number of Satellite related papers being discussed
in C5 VHF/UHF/uW:
144 MHz increased satellite service
3400 MHz amateur satellite allocation
Microwave spectrum requirements
A new vision for 23 cm
Amateur satellites handbook chapter
Microwave spectrum requirements
VHF spectrum requirements

An REF response to the C5 VHF/UHF/uW papers can be seen at
http://thf.ref-union.org/c5_iaru_r1/08cavtat/08cavtat_c5_etat_commentaires.pdf

73 Trevor M5AKA

Daily Amateur Radio RSS News: http://www.southgatearc.org/
Email your news items to: editor at southgatearc.org

News On Your Website: http://www.southgatearc.org/rss/index.htm
News On Your PC: http://www.southgatearc.org/rss/newsreader.htm
Upload Your News: http://www.southgatearc.org/news/your_news.htm
---

2145. Re: [eu-amsat] RE: Who is/was the belligerent American ??.

Yahoo group: eu-amsat
Date: 2008-11-14 17:28:09 UTC
From: Thomas Frey
Topic: 2143 Message: 2145

John, is Domenico member of this group ? If not, its not fair to discuss about him. I don't know the whole "story", I only knows, that Domenico is against the CubeSats. This is his right.

John Hackett schrieb:
> Hello Mark,
> I believed before, and I still do, that you jumped to
> the wrong conclusion regarding Dominico's
> mail. He, like several of we Europeans are of the opinion that Amsat
> is selling us out - for the wrong reasons.
>
> I believe he meant that which GM1SXX put more eloquently in 'his'
> posts ... I think everyone agrees that a
> self proclaimed NON-AMATEUR satellite has no business in the amateur
> bands. I believe his command of English was not adequate to express
> himself, remember, English is *NOT* his mother tongue.
>
> Amsat must accept part of the responsibility for the current state of
> affairs in this argument cum debate.
>
> Amsat is *NOT* the democratic organisation it professes to be.
>
> I might suggest people read the 13 commandments on the Observations
> page at <www.observations.biz>
> for an overview of the general consensus of European opinion .. . with
> a few notable "Amsat officer" opinions.
>
> Like several of your fellow Americans have commented, I believe an
> apology would go a long way to pouring
> oil on troubled waters. I have no personal grievance with either of
> the parties but since you mailed me it is
> only polite for me to reply.
>
> I also believe that everyone is entitled to their opinion - but we
> should all strive to keep it friendly and refrain
> from personal verbal attacks.
>
> A quick check of any decent dictionary will show what belligerent
> means. I believe I used the word in the
> correct context under the circumstances.
>
> BTW, I have no personal connection with Domenico - other than as a
> fellow amateur radio operator interested
> in satellites.
> Have a nice day mark.

> organisation
>
> Only Domenico can answer the above but like the sensible man he is -
> he's keeping quiet.
>
>
> ---
> Date: Thu, 13 Nov 2008 10:40:10 -0800
> From: kf6kyi@gma il.com
> To: la2qaa@...
> Subject: Who is/was the belligerent American ??.
>
>
> I received a message from Luc where you asked "who was the belligerent
> American???" who has been causing all the trouble on amsat-bb. I'm
> not sure whether you were truly interested or whether the question was
> purely rhetorical, but that person would undoubtedly be me. I've
> documented the entire episode on my blog (which I see has shown up on
> the eu-amsat reflector), which explains my position in some detail.
>
> http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/
>
> I understand that Domenico has considerable expertise and even
> enthusiasm for the amateur satellite service. But he was out of line
> in suggesting that the proper way to get help from radio amateurs help
> was to pay for our satellites. I don't think this is just a matter
> of "opinion", we cannot accept payment for communication services, and
> that's precisely what Domenico was suggesting. A licensed radio
> amateur asked for help from a satellite that was operating on amateur
> frequencies in accordance with all regulations, and Domenico asked for
> monetary contributions in exchange.
>
> I found that distasteful. Really distasteful.
>
> I understand that many people hold the view that cubesats aren't
> _really_ amateur satellites or that they aren't _really_ entitled to
> use our frequencies. If that was the only argument that Domenico was
> making, I'd have disagreed with him (for the reasons which I outlined
> as my blog) but I wouldn't have responded as I did. But instead, he
> chose to offer the services of the amateur service in exchange for
> monetary donations, which was way out of line.
>
> Apparently most people disagree with me. My email is breaking about
> 75/25 against/for my comments. Even among the people who largely
> agreed with me, they suggest that I could have done so more
> tactfully, as Bruce VE9QRP did. I would admit that they are
> certainly correct. I will consider that what I said might have been
> more effective had I held back the extreme distaste I had for
> Domenico's comments, but I do not apologize for them. I suppose I'll
> have to live with the characterization as a "belligerent American".

>
> If you've read this far, thanks for the opportunity to have presented
> my side of the story.
>
> Mark KF6KYI
>
>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2146. RE: [eu-amsat] RE: Who is/was the belligerent American ??.

Yahoo group: eu-amsat
Date: 2008-11-14 18:05:11 UTC
From: John Hackett
Topic: 2143 Message: 2146

Thomas,
I was defending Domenico's right to express his opinion.

Whether he is a member if this group or not is immaterial to that right.

The "story" is that Dom expressed an opinion on the Amsat-bb. He was
flamed in a belligerent way by a person who obviously was of a different opinion.

I expressed the view, and maintain that EU-Amsat is above such petty behaviour.

I started this reflector to give the right of free speech to satellite enthusiasts
WITHOUT being flamed for their opinions ... something which happens frequently
on the Amsat-bb ... I believed we as a group have acheaved that aim.

We *DO NOT* ask people to necessarily agree with eachother, only that they disagree
using gentlemanly conduct.

I see no negative effect in mentioning Dom on this reflector since it is totally free and
an entirely open reflector.

I have had contact with Dom previously.

Naturally, you are of course entitled to disagree with me.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 14 Nov 2008 18:28:09 +0100
Subject: Re: [eu-amsat] RE: Who is/was the belligerent American ??.

John, is Domenico member of this group ? If not, its not fair to discuss

about him. I don't know the whole "story", I only knows, that Domenico is

against the CubeSats. This is his right.

John Hackett schrieb:

> Hello Mark,

> I believed before, and I still do, that you jumped to

> the wrong conclusion regarding Dominico's

> mail. He, like several of we Europeans are of the opinion that Amsat

> is selling us out - for the wrong reasons.

>

> I believe he meant that which GM1SXX put more eloquently in 'his'

> posts ... I think everyone agrees that a

> self proclaimed NON-AMATEUR satellite has no business in the amateur

> bands. I believe his command of English was not adequate to express

> himself, remember, English is *NOT* his mother tongue.

>

> Amsat must accept part of the responsibility for the current state of

> affairs in this argument cum debate.

>

> Amsat is *NOT* the democratic organisation it professes to be.

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> I might suggest people read the 13 commandments on the Observations

> page at <www.observations.biz>

> for an overview of the general consensus of European opinion .. . with

> a few notable "Amsat officer" opinions.

>

> Like several of your fellow Americans have commented, I believe an

> apology would go a long way to pouring

> oil on troubled waters. I have no personal grievance with either of

> the parties but since you mailed me it is

> only polite for me to reply.

>

> I also believe that everyone is entitled to their opinion - but we

> should all strive to keep it friendly and refrain

> from personal verbal attacks.

>

> A quick check of any decent dictionary will show what belligerent

> means. I believe I used the word in the

> correct context under the circumstances.

>

> BTW, I have no personal connection with Domenico - other than as a

> fellow amateur radio operator interested

> in satellites.

> Have a nice day mark.

> organisation

>

> Only Domenico can answer the above but like the sensible man he is -

> he's keeping quiet.

>

>

> ----------

> Date: Thu, 13 Nov 2008 10:40:10 -0800

> From: kf6kyi@gma il.com

> To: la2qaa@...

> Subject: Who is/was the belligerent American ??.

>

>

> I received a message from Luc where you asked "who was the belligerent

> American???" who has been causing all the trouble on amsat-bb. I'm

> not sure whether you were truly interested or whether the question was

> purely rhetorical, but that person would undoubtedly be me. I've

> documented the entire episode on my blog (which I see has shown up on

> the eu-amsat reflector), which explains my position in some detail.

>

> http://brainwagon.org/2008/11/12/my-tussle-on-amsat-bb/

>

> I understand that Domenico has considerable expertise and even

> enthusiasm for the amateur satellite service. But he was out of line

> in suggesting that the proper way to get help from radio amateurs help
> was to pay for our satellites. I don't think this is just a matter
> of "opinion", we cannot accept payment for communication services, and
> that's precisely what Domenico was suggesting. A licensed radio
> amateur asked for help from a satellite that was operating on amateur
> frequencies in accordance with all regulations, and Domenico asked for
> monetary contributions in exchange.
>
> I found that distasteful. Really distasteful.
>
> I understand that many people hold the view that cubesats aren't
> _really_ amateur satellites or that they aren't _really_ entitled to
> use our frequencies. If that was the only argument that Domenico was
> making, I'd have disagreed with him (for the reasons which I outlined
> as my blog) but I wouldn't have responded as I did. But instead, he
> chose to offer the services of the amateur service in exchange for
> monetary donations, which was way out of line.
>
> Apparently most people disagree with me. My email is breaking about
> 75/25 against/for my comments. Even among the people who largely
> agreed with me, they suggest that I could have done so more
> tactfully, as Bruce VE9QRP did. I would admit that they are
> certainly correct. I will consider that what I said might have been
> more effective had I held back the extreme distaste I had for
> Domenico's comments, but I do not apologize for them. I suppose I'll
> have to live with the characterization as a "belligerent American".
>
> If you've read this far, thanks for the opportunity to have presented
> my side of the story.

>

> Mark KF6KYI

>

>

>

>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2147. Re: [eu-amsat] RE: Who is/was the belligerent American ??.

Yahoo group: eu-amsat
Date: 2008-11-15 12:59:31 UTC
From: Thomas Frey
Topic: 2143 Message: 2147

John Hackett schrieb:
> Thomas,
> I was defending Domenico's right to express his opinion.
>
> Whether he is a member if this group or not is immaterial to that right.
>
> The "story" is that Dom expressed an opinion on the Amsat-bb. He was
> flamed in a belligerent way by a person who obviously was of a
> different opinion.
>
> I expressed the view, and maintain that EU-Amsat is above such petty
> behaviour.
>
> I started this reflector to give the right of free speech to satellite
> enthusiasts
> *WITHOUT* being flamed for their opinions ... something which happens
> frequently
> on the Amsat-bb ... I believed we as a group have acheaved that aim.
>
> We *DO NOT* ask people to necessarily agree with eachother, only that
> they disagree
> using gentlemanly conduct.
>
> I see no negative effect in mentioning Dom on this reflector since it
> is totally free and
> an entirely open reflector.
>
> I have had contact with Dom previously.
>
> Naturally, you are of course entitled to disagree with me.
>
> 73 John. <la2qaa@...>

Hello John

I don't disagree. But I see an unhappy trend on this reflector, to tear
out fractions of discussions and "CCed" here. This can be annoying. It's
OK, if we can discuss about it, if we want.

> ,_._,___
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2148. No title.

Yahoo group: eu-amsat
Date: 2008-11-15 15:22:49 UTC
From: John Hackett
Topic: 2143 Message: 2148

Hi Thomas,
Yes, I see your point. I have deliberately omitted the word 'belligerent' from the title of this thread because that word can be easily misconstrued - and that certainly was *NOT* my intention - quite the opposite in fact.

My intention was to bring a semblence of gentlemanly conduct to an otherwise 'tatty' thread that 'may' have led to dissatisfaction among the members of our group.

Nothing more - nothing less.

73 John. <la2qaa@...>

John Hackett schrieb:

> Thomas,

> I was defending Domenico's right to express his opinion.

>

> Whether he is a member if this group or not is immaterial to that right.

>

> The "story" is that Dom expressed an opinion on the Amsat-bb. He was

> flamed in a belligerent way by a person who obviously was of a

> different opinion.

>

> I expressed the view, and maintain that EU-Amsat is above such petty

> behaviour.

>

> I started this reflector to give the right of free speech to satellite

> enthusiasts

> *WITHOUT* being flamed for their opinions ... something which happens

> frequently

> on the Amsat-bb ... I believed we as a group have acheaved that aim.

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> We *DO NOT* ask people to necessarily agree with eachother, only that

> they disagree

> using gentlemanly conduct.

>

> I see no negative effect in mentioning Dom on this reflector since it

> is totally free and

> an entirely open reflector.

>

> I have had contact with Dom previously.

>

> Naturally, you are of course entitled to disagree with me.

>

> 73 John. <la2qaa@...>

Hello John

I don't disagree. But I see an unhappy trend on this reflector, to tear

out fractions of discussions and "CCed" here. This can be annoying. It's

OK, if we can discuss about it, if we want.

> ,_._,___

>

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2149. India on the moon

Yahoo group: eu-amsat
Date: 2008-11-16 20:47:03 UTC
From: Luc Leblanc
Topic: 2149 Message: 2149

Congratulations a new moon club member

http://www.isro.org/pressrelease/Nov14_2008.htm
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2150. Don Petit aurora borealis video

Yahoo group: eu-amsat
Date: 2008-11-18 21:59:52 UTC
From: Luc Leblanc
Topic: 2150 Message: 2150

Animated Aurora Borealis, from Orbit
Astronaut Don Pettit created an astounding video using a sequence of still images he shot of the aurora borealis from the International
Space Station.

http://www.youtube.com/watch?v=JeAmKKrIVlc

Second video following the actual ISS EVA

Astronauts Resume Spacewalk After Tools Lost Tue, 18 Nov 2008 04:08:33 PM GMT-0500
Heidemarie Stefanyshyn-Piper has resumed work on SARJ
cleanup and lubrication. At approx. 3:33 p.m. EST, Piper reported that one of the Braycote lubrication guns had released grease into her
toolbag. As she was cleaning the bag and wiping the tools and equipment inside, the bag floated away. Here is a related video

http://www.youtube.com/watch?v=2vATdjWvFJ0

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2151. Re: Don Petit aurora borealis video

Yahoo group: eu-amsat
Date: 2008-11-19 08:48:08 UTC
From: Allan Copland
Topic: 2150 Message: 2151

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> Animated Aurora Borealis, from Orbit
> Astronaut Don Pettit created an astounding video using a sequence of
still images he shot of the aurora borealis from the International
> Space Station.
>
> http://www.youtube.com/watch?v=JeAmKKrIVlc

Nice to see an Aurora from space. I've seen static photos taken from
space before but never an animated movie.
Watch it if you have the time. It's very unusual.

Thanks Luc for posting the link.
73 Al.

2152. Re: [amsat-bb] Handbag Sat

Yahoo group: eu-amsat
Date: 2008-11-20 17:17:17 UTC
From: Luc Leblanc
Topic: 2152 Message: 2152

On 20 Nov 2008 at 8:56, Chris Bloy wrote:

>
>
>
> Hi All,
>
> Anyone know if the new Handbag sat will be avaliable via keps?
>
> I guess it will be floating a while before reentry!?
>
> Thanks,
>
> Chris

It will probably carry the designator PURSESAT-01 look in the new object keps.

http://www.youtube.com/watch?v=flZRps0pBEo
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2153. AO-51 beacon RX with soundcard and UISS software

Yahoo group: eu-amsat
Date: 2008-11-20 20:22:27 UTC
From: st2nh
Topic: 2153 Message: 2153

Hi all
today 20-11-2008
I succeded to Decoded AO-51 BEACON using UISS and AGW PACKET
ENGINE with soundcard .
Orbit # 23.049 .max elevetion was 7
for snapshot please see my webpage link

http://www.st2nh.com/satellites

here what I got:-

Port1 with SoundCard On COM2: 9k6
Port2 with SoundCard On COM2:
Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:44:54]
PB: Empty.

Fm PACB-1 To TLMS-1 <UI pid=F0 [DAMA] [EAX25] Len=35 >[20:45:03]
C0:0D C1:44 C2:76 C3:2F C4:04 C5:00

Fm PACB-1 To LSTAT <UI pid=F0 [DAMA] [EAX25] Len=46 >[20:45:04]
I P:0x13A8 o:0 l:27314 f:27325, d:1 st:6 e:d1

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:45:06]
PB: Empty.

Fm PACB-1 To TLMS-1 <UI pid=F0 [DAMA] [EAX25] Len=35 >[20:45:13]
C0:0D C1:44 C2:76 C3:2F C4:04 C5:00

Fm PACB-1 To LSTAT <UI pid=F0 [DAMA] [EAX25] Len=46 >[20:45:14]
I P:0x13A8 o:0 l:27314 f:27325, d:1 st:6 e:d1

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:45:20]
PB: Empty.

Fm PACB-1 To TLMS-1 <UI pid=F0 [DAMA] [EAX25] Len=35 >[20:45:23]
C0:0D C1:44 C2:76 C3:2F C4:04 C5:00

Fm PACB-1 To AMSATN-1 <UI pid=F0 [DAMA] [EAX25] Len=21 >[20:45:24]
PHTHXPB 2-23-07 V1.6

Fm PACB-1 To LSTAT <UI pid=F0 [DAMA] [EAX25] Len=46 >[20:45:24]
I P:0x13A8 o:0 l:27314 f:27325, d:1 st:6 e:d1

Fm PACBLS-8 To PACBLS-8 <UI pid=F0 [DAMA] [EAX25] Len=18 >[20:45:31]
PACBLS S Meter = 0

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:45:44]
PB: Empty.

Fm PACBLS-8 To PACBLS-8 <UI pid=F0 [DAMA] [EAX25] Len=18 >[20:45:52]
PACBLS S Meter = 0

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:46:02]
PB: Empty.

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:46:28]
PB: Empty.

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:47:49]
PB: Empty.

Fm PACB-1 To TLMS-1 <UI pid=F0 [DAMA] [EAX25] Len=35 >[20:47:53]
C0:0D C1:44 C2:76 C3:2F C4:04 C5:00

Fm PACB-1 To TLMD-1 <UI pid=F0 [DAMA] [EAX25] Len=74 >[20:47:54]
WOD:2 ATP:0 BMW:1 BMS:0 CTS:1 CTN:120 CTL:100 CTE:Mon Nov 24
22:00:16 2008

Fm PECHO-11 To STATUS <UI pid=F0 [DAMA] [EAX25] Len=12 >[20:47:54]
B: 38423652

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:47:55]
PB: Empty.

Fm PACBLS-8 To PACBLS-8 <UI pid=F0 [DAMA] [EAX25] Len=18 >[20:47:58]
PACBLS S Meter = 0

Fm PECHO-11 To PBLIST <UI pid=F0 [DAMA] [EAX25] Len=11 >[20:48:01]
PB: Empty.

Fm PACB-1 To TIME-1 <UI pid=F0 [DAMA] [EAX25] Len=64 >[20:48:02]
PHT: uptime is 077/13:59:35. Time is Thu Nov 20 17:50:53 2008

73 de Nader st2nh

2154. Re: [amsat-bb] Handbag Sat

Yahoo group: eu-amsat
Date: 2008-11-21 08:00:42 UTC
From: Allan Copland
Topic: 2152 Message: 2154

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On 20 Nov 2008 at 8:56, Chris Bloy wrote:
> > Hi All,
> >
> > Anyone know if the new Handbag sat will be avaliable via keps?
> > I guess it will be floating a while before reentry!?

Anyone know if there's a beacon or transponder aboard..... or perhaps
just another useless downlink only toolbag :-)

73 Al.
GM1SXX
(Standing by with Fire Extinguisher... just in case)

2155. RE: [eu-amsat] Re: [amsat-bb] Handbag Sat

Yahoo group: eu-amsat
Date: 2008-11-21 18:52:02 UTC
From: Chris Bloy
Topic: 2152 Message: 2155

Ouch!

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of Allan Copland
Sent: 21 November 2008 08:01
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: [amsat-bb] Handbag Sat

--- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> , Luc
Leblanc <lucleblanc6@...> wrote:
>
> On 20 Nov 2008 at 8:56, Chris Bloy wrote:
> > Hi All,
> >
> > Anyone know if the new Handbag sat will be avaliable via keps?
> > I guess it will be floating a while before reentry!?

Anyone know if there's a beacon or transponder aboard..... or perhaps
just another useless downlink only toolbag :-)

73 Al.
GM1SXX
(Standing by with Fire Extinguisher... just in case)

No virus found in this incoming message.
Checked by AVG - http://www.avg.com
Version: 8.0.175 / Virus Database: 270.9.9/1803 - Release Date: 11/21/2008
9:37 AM

2156. Re: AO-51 beacon RX with soundcard and UISS software

Yahoo group: eu-amsat
Date: 2008-11-21 19:02:02 UTC
From: st2nh
Topic: 2153 Message: 2156

HI all 9k6 seem works fine with soundcard ! some where I have read ,It is impossible to decode 9k6 by soundcard ! but it seem ok with my RX experment from sat. And in shack TX experement was ok between 2 setup using a soundcard at one end and on the other end a TNC at 9k6 speed. I wish if some one add a module to UISS for pacsat . the only program work now with pacsat is WISP and it need a TNC . May if we have a module for pacsat for UISS we can work pacsat with the soundcard!! Here is another go with go-32 TLM? using soundcard , UISS and AGWPE. ---------- Port1 with SoundCard On COM2: 9k6 Port2 with SoundCard On COM2: Fm y-4 To -2 Via -7,,,,,-9,,-12 [20:44:49] Fm z-4 To -1 Via -7,,,,,,,-5,,-1,z-4,-7,,,,,,-4,,-4,,-13 [20:45:19] Fm z-4 To Via -7,,,,,-9,,-12 [20:45:49] Fm z-4 To -15 Via -7,,,,,,,-5,,-15,z-4,-7,,,,,,-4,,-4,,-13 [20:46:19] Fm z-4 To -14 Via -7,,,,,-9,,-12 [20:46:49] Fm z-4 To -13 Via -7,,,,,,,-5,,-13,z-4,-7,,,,,,-4,,-4,,-13 [20:47:19] Fm z-4 To -12 Via -7,,,,z,-9,,-12 [20:47:49] Fm z-10 To -13 Via ,,,,,-13 [20:47:51] Fm z-10 To -15 Via ,,,,,c,-4 [20:47:55] Fm z-10 To -3 Via ,,,,,-13 [20:48:04] Fm z-10 To -9 Via ,,,,,c,-4 [20:48:15] Fm z-10 To -9 Via ,,,,,-13 [20:48:16] Fm z-10 To -12 Via ,,,,,c,-4 [20:48:21] Fm z-10 To -14 Via -4 [20:48:25] Fm z-4 To -10 Via -7,,,,f,,,-5,,-10,z-4,-7,,,,f,,-4,,-7* [20:48:49] Fm z-10 To -15 Via -4 [20:48:59] Fm z-10 To -6 Via -4 [20:49:13] Fm z-10 To -7 Via ,,,,,n-13 [20:49:15] Fm z-4 To -9 Via -7,,,,T-12,,yz,-10*,-3,,-2,,,,,-11, [20:49:19] Fm z-10 To -10 Via ,,,,,c,-4 [20:49:21] Fm z-10 To -13 Via -4 [20:49:28] Fm z-10 To -15 Via ,,,,,n,-4 [20:49:30] Fm z-10 To [20:49:34] Fm z-10 To -2 [20:49:36] Fm z-10 To -2 [20:49:36] Fm z-10 To -2 [20:49:36] Fm z-10 To -3 [20:49:40] Fm z-10 To -5 [20:49:42] Fm z-10 To -5 [20:49:42] Fm z-10 To -5 [20:49:42] Fm z-10 To -6 [20:49:46] Fm z-10 To -8 [20:49:48] Fm z-10 To -8 [20:49:48] Fm z-10 To -9 [20:49:52] Fm z-4 To -7 Via -7,,,,S,-9,,-3 [20:50:19] Fm z-10 To -13 [20:50:32] Fm z-10 To [20:50:37] Fm z-10 To -4 [20:50:45] Fm z-10 To -4 [20:50:45] Fm z-10 To -5 [20:50:46] Fm z-4 To -6 Via -7,,,,D,,,-5,,-6,z-4,-7,,,,D,,-4,,-7* [20:50:48] Fm z-10 To -6 [20:50:48] Fm z-4 To -5 Via -7,,,,M,-9,,-3 [20:51:19] Fm z-4 To -4 Via -7,,,,J,,,-5,,-4,z-4,-7,,,,J,,-4,,-7* [20:51:49] Fm z-4 To -2 Via -7,,,,D,-9,,-3 [20:52:49] 73 de Nader st2nh www.st2nh.com --- In eu-amsat@yahoogroups.com, "st2nh" wrote: > > Hi all > today 20-11-2008 > I succeded to Decoded AO-51 BEACON using UISS and AGW PACKET > ENGINE with soundcard . > Orbit # 23.049 .max elevetion was 7 > for snapshot please see my webpage link > > http://www.st2nh.com/satellites > > here what I got:- > > Port1 with SoundCard On COM2: 9k6 > Port2 with SoundCard On COM2: > Fm PECHO-11 To PBLIST [20:44:54] > PB: Empty. > > Fm PACB-1 To TLMS-1 [20:45:03] > C0:0D C1:44 C2:76 C3:2F C4:04 C5:00 > > Fm PACB-1 To LSTAT [20:45:04] > I P:0x13A8 o:0 l:27314 f:27325, d:1 st:6 e:d1 > 73 de Nader st2nh >

2157. UISS, GO-32 & 9600pbs

Yahoo group: eu-amsat
Date: 2008-11-22 08:58:46 UTC
From: John Hackett
Topic: 2157 Message: 2157

Hello Nader,
I was extreenly interested in your discovery that the UISS program decodes 9600 bps from GO-32 - (and AO-51).

I lost interested in packet radio in 1990 when I moved to Frei Island.

From myQTH, surrounded by mountains, it was nigh on impossible to work the Pacsats in LEO and of course (for the same reason) the ISS was a non-starter for me, 'm too far north.

However, I just checked - and I see that GO-32 'is' workable from my QTH occasionally. I know how to modify rigs for 9600 bps but my question is ...

Is it possible to make some sort of relatively simple tuning indicator for 9600bps ??.

Tone decoder, centre meter, LED's, old 1 inch tube type RTTY indicator, comparator system ... I can't find any information on the net. 1200 bps is easy but I believe 9600 bps is a different matter - (I am of course showing my digital ignorance here).

Do you have any references to any circuit diagrams Nader ??.

I know you can't actually *hear* 9600bps modulation, hence my request for an 'indicator'.

I believe one way is that the white (background) noise goes quiet when 9600bps is being received.

Confirmation - (or strong denials) - of this would be appreciated from the digital experts among us.

Any advice, tips, references or relavant URL's would be greatly appreciated.

to recap ...

I'm looking for some sort of 'INDICATOR' for 9600bps signals ... (if it's possible).

73 John. <la2qaa@...>

2158. Re: [eu-amsat] UISS, GO-32 & 9600pbs

Yahoo group: eu-amsat
Date: 2008-11-22 12:49:33 UTC
From: Thomas Frey
Topic: 2157 Message: 2158

Hello John

John Hackett schrieb:
> Hello Nader,
> I was extreenly interested in your discovery that the
> UISS program
> decodes 9600 bps from GO-32 - (and AO-51).
>
> I lost interested in packet radio in 1990 when I moved to Frei Island.
>
> From myQTH, surrounded by mountains, it was nigh on impossible to work
> the Pacsats in LEO and of course (for the same reason) the ISS was a
> non-starter for me, 'm too far north.
>
> However, I just checked - and I see that GO-32 'is' workable from my QTH
> occasionally. I know how to modify rigs for 9600 bps but my question
> is ...
>
> Is it possible to make some sort of relatively simple tuning indicator
> for 9600bps ??.
>
> Tone decoder, centre meter, LED's, old 1 inch tube type RTTY indicator,
> comparator system ... I can't find any information on the net. 1200
> bps is easy but
> I believe 9600 bps is a different matter - (I am of course showing m y
> digital ignorance
> here).

The simplest tuning indicator is the centre meter of your (T)RX.
So you can easily tune with your sat program.

>
> Do you have any references to any circuit diagrams Nader ??.

I have circuit diagrams for an AFC for a FT-726R and a FT-736R
so you can tune without CAT via "mic-click" (up/down).

>
> I know you can't actually *hear* 9600bps modulation, hence my request for
> an 'indicator'.
>
> I believe one way is that the white (background) noise goes quiet when
> 9600bps
> is being received.
>
> Confirmation - (or strong denials) - of this would be appreciated from

> the digital
> experts among us.

Its also possible to count the bit-errors.

>
> Any advice, tips, references or relavant URL's would be greatly
> appreciated.
>
> to recap ...
>
> I'm looking for some sort of 'INDICATOR' for 9600bps signals ... (if
> it's possible).
>
> 73 John. <la2qaa@...>
>

In the AMSAT-UK OSCAR News nr. 88 April 1991 you can find the article "The Shape of Bits to Come" from James Miller, G3RUH. I have a German translation from it. All my literature is in German, but if you look to James' articles, you will find many stuff. He was our Guru in the 1990's.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2159. RE: [eu-amsat] UISS, GO-32 & 9600pbs

Yahoo group: eu-amsat
Date: 2008-11-22 13:17:36 UTC
From: John Hackett
Topic: 2157 Message: 2159

Thanks Thomas,
Every little bit of information helps.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 22 Nov 2008 13:49:33 +0100
Subject: Re: [eu-amsat] UISS, GO-32 & 9600pbs

Hello John

John Hackett schrieb:

> Hello Nader,

> I was extreenly interested in your discovery that the

> UISS program

> decodes 9600 bps from GO-32 - (and AO-51).

>

> I lost interested in packet radio in 1990 when I moved to Frei Island.

>

> From myQTH, surrounded by mountains, it was nigh on impossible to work

> the Pacsats in LEO and of course (for the same reason) the ISS was a

> non-starter for me, 'm too far north.

>

> However, I just checked - and I see that GO-32 'is' workable from my QTH

> occasionally. I know how to modify rigs for 9600 bps but my question

> is ...

>

> Is it possible to make some sort of relatively simple tuning indicator

> for 9600bps ??.

>

> Tone decoder, centre meter, LED's, old 1 inch tube type RTTY indicator,

> comparator system ... I can't find any information on the net. 1200

> bps is easy but

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> here).

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I have circuit diagrams for an AFC for a FT-726R and a FT-736R

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>

> I know you can't actually *hear* 9600bps modulation, hence my request for

> an 'indicator'.

>

> I believe one way is that the white (background) noise goes quiet when

> 9600bps

> is being received.

>

> Confirmation - (or strong denials) - of this would be appreciated from

> the digital

> experts among us.

Its also possible to count the bit-errors.

>

> Any advice, tips, references or relavant URL's would be greatly

> appreciated.

>

> to recap ...

>

> I'm looking for some sort of 'INDICATOR' for 9600bps signals ... (if

> it's possible).

>

> 73 John. <la2qaa@...>

>

In the AMSAT-UK OSCAR News nr. 88 April 1991 you can find the article "The Shape of Bits to Come" from James Miller, G3RUH. I have a German translation from it. All my literature is in German, but if you look to James' articles, you will find many stuff. He was our Guru in the 1990's.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2160. RE: [amsat-bb] UISS, GO-32 & 9600pbs

Yahoo group: eu-amsat
Date: 2008-11-23 08:14:06 UTC
From: John Hackett
Topic: 2160 Message: 2160

Douglas,
Your program looks like it's *PRECISELY* !!! what I was looking for.

There'll be no weeping with this willow - (GM1SXX will 'drop' me from a great
height for that one but I couldn't resist it).

I'll put 'WILLOW' through it's paces and get back to you - just nodding yet another rig.

Have a nice day Douglas and THANK YOU !!!.

73 John. <la2qaa@amsat.org>

Homepage at ... <http://www.observations.biz>

PS.

GM1SXX is "the other half" of the comedy act, aka The Twisted Pair.
(look 'carefully' at the observations website).

> Date: Sat, 22 Nov 2008 16:04:44 -0600
> From: dquagliana@...
> To: la2qaa@...
> CC: st2nh@...; amsat-bb@...; eu-amsat@yahoogroups.com
> Subject: Re: [amsat-bb] UISS, GO-32 & 9600pbs
>
> John Hackett wrote:
>
> >I'm looking for some sort of 'INDICATOR' for 9600bps
> >signals ... (if it's possible).
>
> Hi John,
>
> I have written a 9600 baud soundcard modem called
> Willow which includes a 9600 baud signal quality bargraph
> meter and an eye diagram. The bar graph will give you
> a visual indication of the received signal (including
> packets, good and bad, and even if only HDLC flags are
> being received). The eye diagram should look like two
> superimposed sine waves that are one hundred eighty
> degrees out of phase.
>
> Willow also has some helpful audio indicators that it
> will display such as "No audio" or "Too loud" depending
> on the audio coming into the soundcard.
>
> And, there's a DCD light which will flicker or light
> up solid yellow based on the signal quality.

>
> It also demodulates the 9600 baud AX.25 packets. :-)
>
> You can download a copy of Willow at
>
> http://quagliana.com/willow/WillowSabins.zip
>
> It's free. (The Sabins program is the AO-51 telemetry
> program that comes with Willow. It's also free.)
>
> No installation is necessary, just run Willow.EXE and
> select "File/Activate Soundcard" to get started.
>
> Let me know if you have any questions, and let me know
> what you think of Willow.
>
> Douglas KA2UPW/5

2161. Re: UISS, GO-32 & 9600pbs

Yahoo group: eu-amsat
Date: 2008-11-23 10:28:26 UTC
From: st2nh
Topic: 2157 Message: 2161

Hello John
and thanks for nice comment

I think the setup over here (may) help to jump over the problem of
fine tunning.

The AFC feature on ICOM ic-910 help doppler correction and did
a great job for satellite DATA RX.

Interface here is a simple homemade keying line
and yes the RX/TX (Audio?)DATA fed direct from the RIG (ic-910)
data socket to my sound card (mike input).

OS is XP,CPU 500 ,soundcard brand is Creative Audio .
Antenna is a homebrew 12 element with UHF-PRE amp.

The Brand Interfaces have an isolation audio transformers (1:1)
or optic IC ,that may prevent or ruin the flow of the data at
9k6 speed to the soundcard.

I wll test my Microham keyer interface to see
and compare between direct feed and isolated feed.

Using AFC feature with AWGPE and adirect data fed ? were
a one man show over here .

best & warm 73 de Nader st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> Hello Nader,
> I was extreenly interested in your discovery that
the UISS program
> decodes 9600 bps from GO-32 - (and AO-51).
>
> I lost interested in packet radio in 1990 when I moved to Frei
Island.
>
> From myQTH, surrounded by mountains, it was nigh on impossible to
work
> the Pacsats in LEO and of course (for the same reason) the ISS was
a
> non-starter for me, 'm too far north.
>
> However, I just checked - and I see that GO-32 'is' workable from

my QTH
> occasionally. I know how to modify rigs for 9600 bps but my
question is ...
>
> Is it possible to make some sort of relatively simple tuning
indicator for 9600bps ??.
>
> Tone decoder, centre meter, LED's, old 1 inch tube type RTTY
indicator,
> comparator system ... I can't find any information on the net.
1200 bps is easy but
> I believe 9600 bps is a different matter - (I am of course showing
my digital ignorance
> here).
>
> Do you have any references to any circuit diagrams Nader ??.
>
> I know you can't actually *hear* 9600bps modulation, hence my
request for
> an 'indicator'.
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> I believe one way is that the white (background) noise goes quiet
when 9600bps
> is being received.
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> Confirmation - (or strong denials) - of this would be appreciated
from the digital
> experts among us.
>
> Any advice, tips, references or relavant URL's would be greatly
appreciated.
>
> to recap ...
>
> I'm looking for some sort of 'INDICATOR' for 9600bps signals ...
(if it's possible).
>
> 73 John. <la2qaa@...>
>

2162. Pots of gold.

Yahoo group: eu-amsat
Date: 2008-11-23 19:42:52 UTC
From: John Hackett
Topic: 2162 Message: 2162
Attachments: 1 described; binary payloads are missing from this source WARC

Hi All,
If you ever wondered where you might find the pot of gold is ... under La2qaa'a aerials would you believe? ... (but I havn't found it yet).

73 John. <la2qaa@...>

2163. Dear aerial whingers ...

Yahoo group: eu-amsat
Date: 2008-11-23 20:18:05 UTC
From: John Hackett
Topic: 2163 Message: 2163
Attachments: 2 described; binary payloads are missing from this source WARC

STOP !!!! complaining.

Since my recent aerial restriction was imposed, this !!! is what I have to work with ... (see attached pics). A ground floor flat - (apartment, if you're from the wrong side of the pond) not even access to a loft. Oh, and did I mention, I'm blocked by *HIGH* mountains on three sides.

William of Occam (12th century) stated ... "Tis vain to do with more that which can be done with less".

La2qaa of Frei Island (21st century) stated ... Old Bill wasn't operating satellites in the 12th century so he was talking through his RRR's

73 John. <la2qaa@...>

2164. Re: Dear aerial whingers ...

Yahoo group: eu-amsat
Date: 2008-11-23 20:37:15 UTC
From: st2nh
Topic: 2163 Message: 2164

Hi OM John

I have no aerial restriction or mountains around ;-)
if you want we can exchange QTH ! but with out exchange XYL,HI HI
where are your aerial photos? links?
nothing appear here!
GL OM with UR new setup
Nader st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> STOP !!!! complaining.
>
> Since my recent aerial restriction was imposed, this !!! is what I
have to work with ...
> (see attached pics). A ground floor flat - (apartment, if you're
from the wrong side of
> the pond) not even access to a loft. Oh, and did I mention, I'm
blocked by *HIGH*
> mountains on three sides.
>
> William of Occam (12th century) stated ... "Tis vain to do with
more that which
> can be done with less".
>
> La2qaa of Frei Island (21st century) stated ... Old Bill wasn't
operating satellites in the
> 12th century so he was talking through his RRR's
>
> 73 John. <la2qaa@...>
>

2165. RE: [eu-amsat] Re: Dear aerial whingers ...

Yahoo group: eu-amsat
Date: 2008-11-24 07:58:09 UTC
From: John Hackett
Topic: 2163 Message: 2165
Attachments: 5 described; binary payloads are missing from this source WARC

Hi Nader,
Maybe Hotmail (in it's wisdom?) took it upon itself to delete the pics
"in case" of security problems (despite the fact that of course I ran them
through the same security software Hotmail uses) !!!.

I'll attach them again.

The 'snowy' one is what it looked like before.

As for wives ... you'd have to learn Russian !!! to communicate ... and even then
it's a game of chance (!!!) have a look at the last pic ... (man & woman).

You'll notice that all the rigs are *AT LEAST* 22 years old so the "boxes" are homebrew
auto-doppler tuning etc.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sun, 23 Nov 2008 20:37:15 +0000
Subject: [eu-amsat] Re: Dear aerial whingers ...

Hi OM John

I have no aerial restriction or mountains around ;-)

if you want we can exchange QTH ! but with out exchange XYL,HI HI

where are your aerial photos? links?

nothing appear here!

GL OM with UR new setup

Nader st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

>

>

> STOP !!!! complaining.

>

> Since my recent aerial restriction was imposed, this !!! is what I

have to work with ...

> (see attached pics). A ground floor flat - (apartment, if you're

from the wrong side of

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blocked by *HIGH*

> mountains on three sides.

>

> William of Occam (12th century) stated ... "Tis vain to do with

more that which

> can be done with less".

>

> La2qaa of Frei Island (21st century) stated ... Old Bill wasn't

operating satellites in the

> 12th century so he was talking through his RRR's

>

> 73 John. <la2qaa@...>

>

2166. Handbagged!

Yahoo group: eu-amsat
Date: 2008-11-25 08:18:49 UTC
From: Allan Copland
Topic: 2166 Message: 2166

For anyone enquiring about the whereabouts of the 'lost' ISS
'handbag', have a look at ...

It was spotted from the ground, zipping through Pisces! There's even
an online tracker for it, for US and Canadian users.

http://spaceweather.com/

73 Al.
GM1SXX

2167. RE: [eu-amsat] Handbagged!

Yahoo group: eu-amsat
Date: 2008-11-25 09:36:09 UTC
From: John Hackett
Topic: 2166 Message: 2167

Hello Spacewatchers,
When Heidemarie Stefanyshyn-Piper dropped her toolbag under the
now infamous spacewalk - she herself became a prime 'tool'.

(Feel free to ask eny Englishman, I'm sure they'll gladly explain the context
of the word tool).

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Tue, 25 Nov 2008 08:18:49 +0000
Subject: [eu-amsat] Handbagged!

For anyone enquiring about the whereabouts of the 'lost' ISS

'handbag', have a look at ...

It was spotted from the ground, zipping through Pisces! There's even

an online tracker for it, for US and Canadian users.

http://spaceweather.com/

73 Al.

GM1SXX

2168. GO-32

Yahoo group: eu-amsat
Date: 2008-11-25 11:47:14 UTC
From: John Hackett
Topic: 2168 Message: 2168

Hello Folks,
Prior to my setting up and modding old rigs for GO-32 9600bps operation I though it prudent to enquire whether anyone is actually using this satellite for message forwarding ??.

Thank you, in anticipation of any replies.

73 John. <la2qaa@...>

2169. Re: [eu-amsat] GO-32

Yahoo group: eu-amsat
Date: 2008-11-25 22:19:23 UTC
From: Thomas Frey
Topic: 2168 Message: 2169

John Hackett schrieb:
> Hello Folks,
> Prior to my setting up and modding old rigs for GO-32
> 9600bps operation I though it prudent to enquire whether anyone is
> actually using this satellite for message forwarding ??.
>
> Thank you, in anticipation of any replies.
>
> 73 John. <la2qaa@...>
>
>

Hello John

I observed GO-32 last weekend. It is sending RAM data in a non-AX.25 format. If you have a hardware TNC and you type in "TRACE ON" in a terminal program, then you can read the packet. Actually its not possible to forward a message.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2170. Thanks Thomas.

Yahoo group: eu-amsat
Date: 2008-11-26 12:17:48 UTC
From: John Hackett
Topic: 2168 Message: 2170

Hello Thomas,
Thanks you for your repy. You saved me some work. I see it would
have been quite pointless for me to 'mod' my old rigs for 9600bps.

I note that AO-51 is 9600bps capable in mode V/U but I seriously doubt if the
controllers will be switching to this mode. I don't have any 23cm gear anymore so
AO-51 is also a non-starter.

I did keep my homebrew S-band downlink gear but I don't use that these days either.

I was intending to try some digital stuff ('communicationg') but apart from a few odds
and ends of TLM there's nothing to work anyway.

The upcoming PCsat is also a non-starter (like the ISS) from Frei Island.

As Drew Glasbrenner pointed out, there *is* an occasional 6 degree elevation pass ...
but when the lowest mountain south is 28 degrees, there's not much hope for a contact
with the ISS.

Thankd you for replying Thomas.

73 John. <la2qaa@amsat.org>
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 25 Nov 2008 23:19:23 +0100
Subject: Re: [eu-amsat] GO-32

John Hackett schrieb:

> Hello Folks,

> Prior to my setting up and modding old rigs for GO-32

> 9600bps operation I though it prudent to enquire whether anyone is

> actually using this satellite for message forwarding ??.

>

> Thank you, in anticipation of any replies.

>

> 73 John. <la2qaa@...>

>

>

Hello John

I observed GO-32 last weekend. It is sending RAM data in a non-AX.25 format. If you have a hardware TNC and you type in "TRACE ON" in a terminal program, then you can read the packet. Actually its not possible to forward a message.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2171. Re: [eu-amsat] Thanks Thomas.

Yahoo group: eu-amsat
Date: 2008-11-26 17:31:12 UTC
From: Thomas Frey
Topic: 2168 Message: 2171

John Hackett schrieb:
> Hello Thomas,
> Thanks you for your repy. You saved me some work.
> I see it would
> have been quite pointless for me to 'mod' my old rigs for 9600bps.
>

Hello John

You can modify your rigs for 9600 still, if you have a receiver for 2m
and you can modify it also for 9600 (discriminator). For my old Icom
IC-R7000 I have an external IF-amplifier at the 10.7 MHz IF output with
an output with pure LF at the discriminator. The IC-R7000 is also my
main satellite receiver.

For 2m uplink I modified my old Kenwood TS-711E with an varactor input.
To control my rigs in 9600 packet, I tune both on the same 2m QRG and make
an HF selfconnect, the RX without antenna. My TNC is a Heathkit HK-232
(PK-232)
with switchable G3RUH modems for 1200 bps Fuji mode and 9600 bps FSK.

You can see, I have also an old rig ;-)

> I note that AO-51 is 9600bps capable in mode V/U but I seriously doubt
> if the
> controllers will be switching to this mode. I don't have any 23cm gear
> anymore so
> AO-51 is also a non-starter.

My Icom IC-1271E is also not 9600 ready.

>
> I did keep my homebrew S-band downlink gear but I don't use that these
> days either.

The last satellite I heard in mode-S was UO-11 in its best days.

>
> I was intending to try some digital stuff ('communicationg') but apart
> from a few odds
> and ends of TLM there's nothing to work anyway.
>
> The upcoming PCsat is also a non-starter (like the ISS) from Frei Island.
>
> As Drew Glasbrenner pointed out, there *is* an occasional 6 degree
> elevation pass ...
> but when the lowest mountain south is 28 degrees, there's not much

> hope for a contact
> with the ISS.
>
> Thankd you for replying Thomas.
>
> 73 John. <la2qaa@...>
> ---
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2172. RE: [eu-amsat] Thanks Thomas.

Yahoo group: eu-amsat
Date: 2008-11-26 18:13:59 UTC
From: John Hackett
Topic: 2168 Message: 2172

Hello again Thomas,
My main point was that there's nothing 'digital' that's workable
from my QTH with the gear I havem these days ... aart from copying TLM.

I think the last time I worked a digital satellite must have also been UO-22 ...
and that was with a modded TR-851E (Kenwood) at the varactor for the downlink
and an FT-290 (discriminator) for the uplink.

The last time I *consistently* copied 13cm was from DOVE but as you can imagine, at
that frequency on a LEO the doppler was ferocious!!! ... (hence my home brew doppler
correction). AO-13 and AO-40 was a walk in the park !!! in comparison.

I can see me biting the bullet and making a /P "appearance" on AO-51 for my second ever
QSO on that satellite.

My personal favourites were FO-20 and RS-10. The RS series of receivers were extreemly !!!
sensitive. I use to do a lot of "propgation" monitoring using the robot on CW.

It was a lot of fun before ... but these days I find things have become a bit of a bore.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 26 Nov 2008 18:31:12 +0100
Subject: Re: [eu-amsat] Thanks Thomas.

John Hackett schrieb:

> Hello Thomas,

> Thanks you for your repy. You saved me some work.

> I see it would

> have been quite pointless for me to 'mod' my old rigs for 9600bps.

>

Hello John

You can modify your rigs for 9600 still, if you have a receiver for 2m

and you can modify it also for 9600 (discriminator). For my old Icom

IC-R7000 I have an external IF-amplifier at the 10.7 MHz IF output with

an output with pure LF at the discriminator. The IC-R7000 is also my

main satellite receiver.

For 2m uplink I modified my old Kenwood TS-711E with an varactor input.

To control my rigs in 9600 packet, I tune both on the same 2m QRG and make

an HF selfconnect, the RX without antenna. My TNC is a Heathkit HK-232

(PK-232)

with switchable G3RUH modems for 1200 bps Fuji mode and 9600 bps FSK.

You can see, I have also an old rig ;-)

> I note that AO-51 is 9600bps capable in mode V/U but I seriously doubt

> if the

> controllers will be switching to this mode. I don't have any 23cm gear

> anymore so

> AO-51 is also a non-starter.

My Icom IC-1271E is also not 9600 ready.

>

> I did keep my homebrew S-band downlink gear but I don't use that these

> days either.

The last satellite I heard in mode-S was UO-11 in its best days.

>

> I was intending to try some digital stuff ('communicationg') but apart

> from a few odds

> and ends of TLM there's nothing to work anyway.

>

> The upcoming PCsat is also a non-starter (like the ISS) from Frei Island.

>

> As Drew Glasbrenner pointed out, there *is* an occasional 6 degree

> elevation pass ...

> but when the lowest mountain south is 28 degrees, there's not much

> hope for a contact

> with the ISS.

>

> Thankd you for replying Thomas.

>

> 73 John. <la2qaa@...>

> ----------

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2173. ... and they said it couldn't be done.

Yahoo group: eu-amsat
Date: 2008-11-28 12:01:13 UTC
From: John Hackett
Topic: 2173 Message: 2173

It's amazing what a bit of inginuity (and downright tenatiousness .....GM1SXX) can do.

That and a bit of help from my friend Percy ... (perseverance).

When I *RIPPED* down the aerials due to the newly inposed restriction. I thought my Anne Logue satellite days were over.

Never having being 'excited' by single QSO FM (on a satellite) I thought "that's yer lot" John matey.

However ... hearing such rot!!! regarding the power to work AO-7 (mostly from the American side, I might add, something I believe is entirely due to Amsat's FM policy) I decided to see just what 'could' be done.

Having what is now IMHO a worst possible case scenario, that is, 22 year old rigs (no CAT interface for doppler tuning), a ground floor flat without access to loft space, total aerial restrictions outside, surrounded by mountains on 3 sides and a maximum output power
of 5 watts on CW.

I still managed to contact F6 something-or-other this morning. Presumably, my uplink on AO-7 mode-B was readable to those whom actually have a receiving aerial because two stations answered my CQ. The 7 element Arrow giving me a giant EIRP of about 40 watts ... however,
my downlink signal, just 3 elements on 2m, indoors !!! definately left a *LOT* to be desired.

I could hear myself - but then, I 'knew' I was there. Two stations did answer but since they both answered at the same time (err ... I forgot, what did you say full duplex meant?).

I ask because they 'both' continued to reply to La2qaa/QRP ... the only thing I managed to copy was de F6 some-thing-or-other ... when I sent an interogatory (QRZ) they both disappeared.

I waited a while to see if either of them would try again but they didn't.

As I have mentioned so many times before, you really *DON'T* need 10 elements and an 'effing' *BIG* BRICK to work AO-7 - (or any other of the LEO's for that matter).

I do apologise for the rather offbeat keying, my keyer is made from 2 x back-to-back computer microswitches taped to the palm of my hand ... BECAUSE I WAS WAVING THE AERIAL ABOUT WITH THE OTHER HAND ... of course.

For bthe affluent on the other side of the pond this weekend, enjoy yout turkey. For the 'moderately' affluent, enjoy your chicken - for the remaining ... enjoy you egg.

Happy Thanksgiving.

Relax !!!, the Europeans ... the geese are still getting fat.

73 John. <la2qaa@...>

2174. Hamtube

Yahoo group: eu-amsat
Date: 2008-11-29 06:53:46 UTC
From: Bratu Florian Gabriel
Topic: 2174 Message: 2174

A youtube for radioamateurs at http://www.hamradiotube.com
Also i make a satellite group, where you are invite to join your videos
http://www.hamradiotube.com/Vidiscript/groups

2175. necessary details to make a QSL-card valid !

Yahoo group: eu-amsat
Date: 2008-11-29 14:32:36 UTC
From: dh5mk
Topic: 2175 Message: 2175

Hello to all,

today I received two nice QSL cards which confirms three SAT QSOs. But ... there is no correct up AND downlink frequency (SAT Mode) and NO name of the SAT on it!! I think they are nothing worth for any diplom, even the DXCC SAT, dont they???

seasons greetings to all
Mike

2176. RE: [eu-amsat] necessary details to make a QSL-card valid !

Yahoo group: eu-amsat
Date: 2008-11-29 14:53:49 UTC
From: John Hackett
Topic: 2175 Message: 2176

Hello Folks,
A good and valid point by Mike re: satellite QSL details.

Lets try to make this group an example to follow ... with the required information including the satellite name and mode.

(It's not necessary with the uplink and downlink QRG's if the satellite name and 'mode' are specified).

The other criteria should be clearly marked ... date, time, location etc

73 John. <la2qaa@...>

To: eu-amsat@...m
From: michael@...
Date: Sat, 29 Nov 2008 14:32:36 +0000
Subject: [eu-amsat] necessary details to make a QSL-card valid !

Hello to all,

today I received two nice QSL cards which confirms three SAT QSOs. But

... there is no correct up AND downlink frequency (SAT Mode) and NO

name of the SAT on it!! I think they are nothing worth for any diplom,

even the DXCC SAT, dont they???

seasons greetings to all

Mike

2177. Re: necessary details to make a QSL-card valid !

Yahoo group: eu-amsat
Date: 2008-11-29 15:23:45 UTC
From: Bratu Florian Gabriel
Topic: 2175 Message: 2177

correct
I have also received qsl's without basic information.
Necesary is Callsign, Date, Time - UTC, work mode ex. SSB FM etc.
Sstellite, and Sat. mode example:

To radio SW1JGW - Date 29.11.2008 -UTC 18:33 - Mode FM- Sat AO51-
Sat. mode J - RST 59
I have for example qsl card im 70cm but not marked like a satellite
mode so result that we worked in 70cm. Hi

2178. Re: [eu-amsat] necessary details to make a QSL-card valid !

Yahoo group: eu-amsat
Date: 2008-11-29 16:40:16 UTC
From: Luc Leblanc
Topic: 2175 Message: 2178

On 29 Nov 2008 at 14:32, dh5mk wrote:

> Hello to all,
>
> today I received two nice QSL cards which confirms three SAT QSOs. But
> ... there is no correct up AND downlink frequency (SAT Mode) and NO
> name of the SAT on it!! I think they are nothing worth for any diplom,
> even the DXCC SAT, dont they???
>
> seasons greetings to all
> Mike
>
>
Exactly Mike

I got some of theses invalid cards time to time and i just send the originator an e-mail stating the error and i got a valid replacing one.
It is tempting to self correct it but it's not my way to proceed...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2179. Re: necessary details to make a QSL-card valid !

Yahoo group: eu-amsat
Date: 2008-11-29 17:08:53 UTC
From: dh5mk
Topic: 2175 Message: 2179

In this specific case the cards came from a manager who manages the cards for dozend of Calls, and I pay 2$ per card!!!! What a pitty ...

Maybee he has no more infos about the QSOs. So I will contact the OMs and will see.

Thanks to all
nice weekend

Mike

> >
> Exactly Mike
>
> I got some of theses invalid cards time to time and i just send the originator an e-mail stating the error and i got a valid replacing one.
> It is tempting to self correct it but it's not my way to proceed...
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

2180. 1296Mhz 1W preamps.

Yahoo group: eu-amsat
Date: 2008-11-30 13:05:27 UTC
From: Allan Copland
Topic: 2180 Message: 2180

Hi Folks,

For anyone looking for a replacement for the old Mitsubishi 23Cms 1.2W amplifier 'bricks', Mini-Kits in Australia make a cheap and effective alternative at reasonable cost. I've already built one of these and have on the bench two others under construction. be aware that these are SMD kits, so you will need basic SMD soldering abilities although none of the parts are very small.

You'll find the kit details at.. http://www.minikits.com.au/kits2.html
The kit is named EME-162 and covers 1200-1300Mhz taking an input level of +5 or +10Db (with a supplied 5Db attenuator) to +23Dbm. The kit uses a single ATF50189 Ga-AsFET PHEMT device taking 5Volts DC at 280ma. It offers 17.5Db of gain over the entire 23Cms BAND. Very useful indeed.

73 Al.
GM1SXX

2181. PE1RAH's Cubesat 30 gram / 300mw U/V *linear* Transponder

Yahoo group: eu-amsat
Date: 2008-12-03 13:01:35 UTC
From: Allan Copland
Topic: 2181 Message: 2181

Hi Folks,

You can find out what William Leijenaar PE1RAH has been up to at..

www.observations.biz

73 Al.
GM1SXX

2182. RE: [eu-amsat] PE1RAH's Cubesat 30 gram / 300mw U/V *linear* Transponder

Yahoo group: eu-amsat
Date: 2008-12-03 15:15:02 UTC
From: John Hackett
Topic: 2181 Message: 2182

Hello Al,
I can only see Wiklliams old stuff on OBS - where exactly is the
new video ??

73 John.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Wed, 3 Dec 2008 13:01:35 +0000
Subject: [eu-amsat] PE1RAH's Cubesat 30 gram / 300mw U/V *linear* Transponder

Hi Folks,

You can find out what William Leijenaar PE1RAH has been up to at..

www.observations.biz

73 Al.

GM1SXX

2183. Re: PE1RAH's Cubesat 30 gram / 300mw U/V *linear* Transponder

Yahoo group: eu-amsat
Date: 2008-12-03 15:58:48 UTC
From: Allan Copland
Topic: 2181 Message: 2183

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> Hello Al,
>I can only see Wiklliams old stuff on OBS - where exactly is the
> new video ??

I've posted them on the index page... Under Observations.
The movie is listed in two places, at the foot of the Observations block.

The first links directly to the Youtube Article while the other is an
MP4 Movie Clip captured at somewhat better quality.

73 Al.
GM1SXX

2184. soundcard is ok with 9k6 UISS and AWGPE

Yahoo group: eu-amsat
Date: 2008-12-10 17:36:35 UTC
From: st2nh
Topic: 2184 Message: 2184

HI all

I succeded to work ISS packet mode at 9k6

using AWGPE and UISS softwares and a soundcard

for more info see my webpage link

http://www.st2nh.com/internationalspacestation-iss

Also see my experment with AO-51 9k6 telemetry and GO-32
9k6 telemetry by softwares and a soundcard

http://www.st2nh.com/satellites

73,Nader,st2nh
www.st2nh.com

2185. Teddy Bears in space.

Yahoo group: eu-amsat
Date: 2008-12-11 13:14:59 UTC
From: Allan Copland
Topic: 2185 Message: 2185

Hi,

Not quite amateur satellites but I guess this is just as much amateur as most of the Cubesats. This one was only a balloon flight, but did has a serious purpose of sorts.

http://news.bbc.co.uk/2/hi/in_depth/7766629.stm

Enjoy.

Al.
GM1SXX

2186. Sudan active on the Space Station Digipeater

Yahoo group: eu-amsat
Date: 2008-12-12 19:12:24 UTC
From: Thomas Frey
Topic: 2186 Message: 2186

Hello All

Our AMSAT-EU member Nader, ST2NH, has its own article:
http://www.southgatearc.org/news/december2008/sudan_active_on_iss_packet.htm

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2187. ISRO Chooses Soyuz

Yahoo group: eu-amsat
Date: 2008-12-15 10:02:08 UTC
From: Allan Copland
Topic: 2187 Message: 2187

An interesting article today suggests that the Indian Space Research Organisation plans to use modified Soyuz for manned flights.

http://www.space-travel.com/reports/ISRO_To_Redesign_Soyuz_For_Its_Manned_Space_Mission_999.html

Methinks there's a lot of life left yet for the venerable Soyuz launcher and manned capsule system.

73 Al.
GM1SXX

2188. HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 10:41:47 UTC
From: Luc Leblanc
Topic: 2188 Message: 2188

Hi satellite fans

Just came out of a bad dream tonight after reading this Ariane 5 announcement?

"The 186th Ariane mission will launch two communications satellites, primarily intended for direct TV broadcast services and data networks: HOT BIRDTM 9 and W2M, both for Eutelsat.

This will be the 42nd Ariane 5 launch.

The launcher will be carrying a total payload of 9,220 kg, including 8,340 kg for the two satellites, which will be released separately into their targeted orbits."

Just note The 9220Kg payload and theses Ariane 5 figures

LEO Payload* (28.5 deg., 550 km) GTO Payload* (7 deg. inclination)
39,600 lb 18,000 kg (single / dual manifest) 15,000 lb / 13,160 lb 6,800 kg / 5,970 kg

Configuration
Core + 2 SRB + Aestus Second Stage

Launch Mass
1,570,000 lb
710,000 kg

Estimated Launch Price US $120 M

* Performance provided by Arianespace.

There is room for a 150kg amateur HEO satellite and at an US$169 per kilo a 150Kg mass should cost US $25350!!!

I'm not too quick in calculus but how the +_ millions USD P3E and EAGLE launch cost came from? integration work? shipping and handling?

I know that at the top of a Ponzi pyramid numbers added very fast but even with the worst case scenario there is something who's not added
up correctly here?

The killing question is: Is the actual P3E and EAGLE launch issues are really a financial matter? and those very high HEO launch cost
estimates are hiding something else?

If you want to see where i got theses figures go to:

http://www.spaceandtech.com/spacedata/elvs/ariane5_specs.shtml

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2189. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 10:56:34 UTC
From: Allan Copland
Topic: 2188 Message: 2189

Hi Folks.

Something is amiss I think with Luc's numbers.
The Ariane5 costs £120,000,000 and lifts 9220KGs.
By my reckoning, thats 12000000/9220 dollars per kilo... or $13015/KG

For 150KGs that pans out at 1,952,777 US Dollars.

That number of course is a gross over-simplification based only on
cost/KG and neglects *all* other costs such as storsge, commisioning,
testing, transport and the cost of an ASAP or similar spacecraft adaptor.

73 Al.
GM1SXX
"The future is small.... but it's bigger than a CUBESAT :-)"

2190. Re: [eu-amsat] Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 10:58:54 UTC
From: Simon Brown (KNS)
Topic: 2188 Message: 2190

Maybe we need someone to volunteer to be Madonna's next husband?

HEO in eight years - it's an option!

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Allan Copland" <allan_gm1sxx@...>

> Something is amiss I think with Luc's numbers.

2191. Re: [eu-amsat] Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 14:15:48 UTC
From: Luc Leblanc
Topic: 2188 Message: 2191

On 16 Dec 2008 at 10:56, Allan Copland wrote:

If you check the web page they put the US $120M with the total launch mass of 710000Kg not only the payload charge. You should take out the
non payload charge cost if you don't want to pay for the rocket and fuel weight but i'm sure ariannespace surely charge their client for
this weight too!

> Hi Folks.
>
> Something is amiss I think with Luc's numbers.
> The Ariane5 costs £120,000,000 and lifts 9220KGs.
> By my reckoning, thats 12000000/9220 dollars per kilo... or $13015/KG
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> For 150KGs that pans out at 1,952,777 US Dollars.
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> That number of course is a gross over-simplification based only on
> cost/KG and neglects *all* other costs such as storsge, commisioning,
> testing, transport and the cost of an ASAP or similar spacecraft adaptor.
>
> 73 Al.
> GM1SXX
> "The future is small.... but it's bigger than a CUBESAT :-)"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2192. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 15:17:26 UTC
From: Allan Copland
Topic: 2188 Message: 2192

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On 16 Dec 2008 at 10:56, Allan Copland wrote:
>
> If you check the web page they put the US $120M with the total
launch mass of 710000Kg not only the payload charge. You should take
out the
> non payload charge cost if you don't want to pay for the rocket and
fuel weight but i'm sure ariannespace surely charge their client for
> this weight too!

Well Luc, actually they don't. A rocket is a means to an end, not the
end in itself. A typical rocket's mass only includes small percentage
of payload mass, yet the payload is what pays the wages.

ERGO the cost of the mission is all about getting that payload (and
not the rocket) into orbit. The rocket itself is just useless (but
essential) junk that 'tags along'. Of course the rocket is very
important... but launching the payload is what the cost is really about.

But I know.. you were just playing 'Devil's Advocate'.

73 Al.
GM1SXX
'The future is smaller... but not as small as a CUBESAT'.

2193. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 16:23:31 UTC
From: st2nh
Topic: 2188 Message: 2193

Hi,

We can build our own rocket? :-) hi hi

http://www.space-rockets.com/arsa.html

73 de st2nh

www.st2nh

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> Hi satellite fans
>
> Just came out of a bad dream tonight after reading this Ariane 5
announcement?
>
> "The 186th Ariane mission will launch two communications
satellites, primarily
> intended for direct TV broadcast services and data networks: HOT
BIRDTM 9 and W2M,
> both for Eutelsat.
>
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>
> The launcher will be carrying a total payload of 9,220 kg,
including 8,340 kg for the
> two satellites, which will be released separately into their
targeted orbits."
>
> Just note The 9220Kg payload and theses Ariane 5 figures
>
> LEO Payload* (28.5 deg., 550 km) GTO Payload* (7 deg.
inclination)
> 39,600 lb 18,000 kg (single / dual
manifest) 15,000 lb / 13,160 lb 6,800 kg / 5,970 kg
>
>
> Configuration
> Core + 2 SRB + Aestus Second Stage
>
> Launch Mass
> 1,570,000 lb
> 710,000 kg
>

> Estimated Launch Price US $120 M
>
> * Performance provided by Arianespace.
>
> There is room for a 150kg amateur HEO satellite and at an US$169
per kilo a 150Kg mass should cost US $25350!!!
>
> I'm not too quick in calculus but how the +_ millions USD P3E and
EAGLE launch cost came from? integration work? shipping and handling?
>
> I know that at the top of a Ponzi pyramid numbers added very fast
but even with the worst case scenario there is something who's not
added
> up correctly here?
>
> The killing question is: Is the actual P3E and EAGLE launch issues
are really a financial matter? and those very high HEO launch cost
> estimates are hiding something else?
>
>
> If you want to see where i got theses figures go to:
>
> http://www.spaceandtech.com/spacedata/elvs/ariane5_specs.shtml
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

2194. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 19:50:14 UTC
From: Allan Copland
Topic: 2188 Message: 2194

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi,
> We can build our own rocket? :-) hi hi
> http://www.space-rockets.com/arsa.html
>
> 73 de st2nh

Sure, a fine idea...apart from the reality that these rockets are useless. Rather akin to believing that Mr Branson's DIY private venture 'spaceplane' might somehow dock with the ISS.

I don't want to put a dampener on the Christmas spirit but lets face the unpalatable facts. Rocket launches cost money, BIG money, as Luc has rightly pointed out, and the days of AMSAT getting bargain-basement launch prices or free launches are long gone. There's *way* too much competition from other users. Unless these AMSAT groups can find real money... of the sort paid by commercial customers for commercial launches, the hardware that's currently being built will most likely sit on the ground and rot. Not what you want to hear I'm sure, but thats the reality.
There's just not enough money doing the rounds for all the projects being built, and especially AMSAT-NA and AMSAT-DL's large and ambitious birds. Going to Mars? That's never going to happen in the current climate. Nice idea of course, but it would take nothing short of a miracle for it to be practical.

Perhaps it's now time for a radical re-think of what AMSAT does and how projects are funded. There just ain't enough money going around.

Perhaps other avenues should be explored such as fairly modest 'parasite packages' carried by other missions, as with the excellent RS10/11 and RS12/13 birds. Sure for *some* people, a HEO is desirable, but is it practical? Well, only time will tell.

Have a good holiday over Christmas and the Yew Year period.

73 Al.
GM1SXX

2195. Seychelles on Satellites-S79AC

Yahoo group: eu-amsat
Date: 2008-12-16 22:06:37 UTC
From: st2nh
Topic: 2195 Message: 2195

Hi,

Sarel, S79AC was on AO-51 this Nigth with a very good signal from the
Seychelles .I worked him with a good 5/5 reports ,sat was AO-51
He is using an FT-817 and an Arrow.

Thanks Sarel for NEW ONE

And many thanks to OM Hal Lund ZS6WB for info and emails.

73 ,Nader,st2nh
www.st2nh.com

2196. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 22:30:06 UTC
From: st2nh
Topic: 2188 Message: 2196

> the hardware that's currently being
> built will most likely sit on the ground and rot.
>
> 73 Al.
> GM1SXX
>

Hi Al

Ao-7 survived more that 30 yeas in more tougth condition!
with hope and for sure more cash our HEO wll survive the delay.

Marry Xmas and HNY om Al.

73 de st2nh Nader
www.st2nh.com

2197. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-16 22:57:12 UTC
From: Allan Copland
Topic: 2188 Message: 2197

Hi,

I (GM1SXX) said...
>the hardware that's currently being
> built will most likely sit on the ground and rot.

and Nader replied..
>> Ao-7 survived more that 30 yeas in more tougth condition!
>> with hope and for sure more cash our HEO wll survive the delay.

Very true, apart from AO7's battery being shot and the solar cells extremely degraded by accumulated radiation dose, but have you considered this.

Some technology 'dates' very rapidly and in particular digital technology. What is relatively revolutionary today (such as DSP) will be 'old hat' in just a few years hence. The technological investment becomes obsolete rather quickly.

Sure, you can launch a bird that's been kicking around for a few years, but it'll have old technology on board and furthermore ... how will the batteries be? I would hope they wouldn't be anything like the ones flown on AO7... already 'second-hand' when 'new' and only 'one previous owner'.

OK, I doubt if they'd really fly a battery string that's been sitting around for a long time but the technology part is certainly true. What is now new, quickly becomes old. Launching 'legacy' hardware is not a good way to do business.

Would you want to spend your money at a shiny 'new' car that's been in storage for a few years? I very much doubt it. I think you'd want a NEW one with better bells and whistles.

73 Al.
GM1SXX

2198. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-17 17:26:34 UTC
From: Bratu Florian Gabriel
Topic: 2188 Message: 2198

--- In eu-amsat@yahoogroups.com, "Simon Brown \(KNS\)"
<simon.brown@...> wrote:
>
> Maybe we need someone to volunteer to be Madonna's next husband?
>
> HEO in eight years - it's an option!
>

Well Simon, if you like to be volunteer you have our blessings. Hi
For me, i found another solution for sacrifice

http://www.last.fm/music/Shakira/+images/18616969

HEO in two years - better option

Also i find a funny ideea to build our rocket, but is cheaper to buy
one in special if we remove the nuclear head.
Talking seriouse is enebody know how much really cost a HEO launch?
Is russian less expensive?

2199. Re: [eu-amsat] Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-17 20:30:03 UTC
From: Luc Leblanc
Topic: 2188 Message: 2199
Attachments: 3 described; binary payloads are missing from this source WARC

As Alland Copeland who's living on a Dr NO street another devils advocate...

BTW Alland why so much X in your call sign?
>
> I don't want to put a dampener on the Christmas spirit but lets face
> the unpalatable facts. Rocket launches cost money, BIG money, as Luc
> has rightly pointed out, and the days of AMSAT getting
> bargain-basement launch prices or free launches are long gone.
> There's *way* too much competition from other users.

Probably but no one never show the crowds any launch submission from all the available sources even the one in the former USSR (The greath
evil". With the present economic world crisis where you can buy two car for the price of one here it could be worth the money and time
spent to look around just in case?

As someone ask me instead of writing my stuff i should send and image and as an image worth 1000 words here is 3000 attached who explain a
lot about sticking cold era mentalities and AMSAT-NA is not far of it or was of it as there is a new BOD apparently...And don't forget
AMSAT-DL remaining very silent as any silent partner!

The pics where taken not too far ago near a very huge military antenna set up "classified" but very nice to see when snorkling... the other
one refers to Shakira and Madona as some giant grass hopper animals are not too far away from humans...even us in the amateur satellite
community.

P.S. From my nature part time photographer experience folders

Note:AMSAT-NA readers should enroll on EU-AMSAT yahoo group to obtain the pictures.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2200. Good News - DX pedition on Namibia from 7 Jenuary to 16th

Yahoo group: eu-amsat
Date: 2008-12-17 21:01:17 UTC
From: SW1JGW
Topic: 2200 Message: 2200

Hello Oms i would like to inform you for a new DXpedition on Namibia
Dates of operation will be from moonrise on 7th to moonset on 16th
January 2009. QTH will be in Luderitz Namibia, grid locator JG73NI.

Their main target is to activate Namibia on 50, 144, 432 and 1296 MHz
EME. At the same time they will be QRV for transatlantic Tropo on 144
and 432 and on satellite (AO-7, FO-29 and AO-51).

The operators will be ZS6WB Hal, ZS6OB Pine, ZS6BUG Dick, ZS6AC
Sarel, N7BHC Dave, HB9CRQ Dan.

A good oportunity for a New One for US

Read more:
http://hb9q.ch/joomla/index.php

73 to ALL

JIMMY - SW1JGW
http://www.sw1jgw.com

2201. A Nostradamus 'guess'.

Yahoo group: eu-amsat
Date: 2008-12-18 07:40:55 UTC
From: John Hackett
Topic: 2201 Message: 2201

Folks,

It was writ in large (ish) letters ...

>Hi Al

>Ao-7 survived more that 30 yeas in more
>tougth condition! with hope and for sure
>more cash our HEO wll survive the delay.

Aye, but liike the would-be Bard (Zimmerman) or Dylan, if you prefer, said ...

"The times they are a-changing"

I'll grab that nettle.

I 'suggested' well over a year ago that another HEO
for amateurs was a pipedream - not least due to ...

1) Extreme cost.

2) Organisation.

GM1SXX also mentioned "the competition" - which I agree with.

Heads out of 'orbit' and feet on the ground chaps.

Yes, there are still a few "would be" promoters out there but
my comments are aimed at those operators living in the 'real'
(commercial orientated) world.

I hope somebody proves me wrong.

(Nostradamus got it wrong more times than he got it right).

73 John. <la2qaa@...>

2202. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-18 09:01:41 UTC
From: Allan Copland
Topic: 2188 Message: 2202

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:

> As Allan Copeland who's living on a Dr NO street another devils
advocate...
>
> BTW Allan why so much X in your call sign?
> >
Hi Luc.

I liked the photos. Radio aerials are indeed things of beauty! You
can never have too many of them.

Why so many x's? You may well ask!
As you'll be aware, it's difficult to say repeated letters such as X
and equally unpleasant to say them directly after a sibilant consonant
letter like 'S'... as in SXX. 'Ess Ecks Ecks'. It's a horrible call
in phone but much better in Morse :-) Of course I didn't choose it,
it was forced upon me by the UK Department of Trade and Industry.
Pillocks!
di di dit dah di di dah dah di di dah... sooo much better.

Keep the emails coming. They are always a source for serious thought
and entertainment for me. The AMSAT-BB may not appreciate your input,
but I do.

Have a good holiday.

73 Al.
GM1SXX

2203. Re: HEO launch possible???

Yahoo group: eu-amsat
Date: 2008-12-18 12:25:58 UTC
From: st2nh
Topic: 2188 Message: 2203

> Keep the emails coming. They are always a source for serious thought
> and entertainment for me. The AMSAT-BB may not appreciate your input,
> but I do.
> Have a good holiday.
> 73 Al.
> GM1SXX

High Ham sprit words from OM Elemer .
A really radio friendship forum .
thank you OM AL GM1SXX
73 de
Nader ,st2nh

2204. Space X and P3E discussions!

Yahoo group: eu-amsat
Date: 2008-12-23 11:49:08 UTC
From: Luc Leblanc
Topic: 2204 Message: 2204

Here is "MY" translation of an article from AMSAT-DL web site

http://www.amsat-dl.org//index.php?option=com_content&task=blogcategory&id=35&Itemid=97

It was my best way to wished you all a Merry Christmas and a happy new year 2009 with this probably best refreshing news about amateur HEO
satellite in 2008.

SpaceX with AMSAT DL
Written by Peter Gülzow
Tuesday, 28 October 2008

This was the fourth and successful launch of the Falcon-1 rocket on September 29 2008 of the SpaceX program. It is the beginning of a new
era . This first purely privately financed launch using a liquid fuels operated rocket, which can bring pay loads into a stable earth
orbit.

SpaceX (space exploration Technologies corporation) was created of the entrepreneur Elon Musk as a privately financed starting up
enterprise for the building of a large extent re-usable two-stage rocket, the Falcon in June 2002.

On the occasion of the successful launch of the Falcon-1 rocket AMSAT DL president Peter Gülzow congratulated the SpaceX team and Elon
Musk personally for this huge success. AMSAT DL follow the activities of SpaceX already for quite some time with large interest, especially
regarding a possible co-operation and launch possibility of the AMSAT P5-A Mars mission.

On 9 October 2008, a meeting with SpaceX in the central development lab of the AMSAT DL in Marburg was organized in a relatively short
notice. Jonathan Hofeller of SpaceX was received by AMSAT DL president Peter Gülzow and Hartmut Päsler. Professor Dr. Karl Meinzer, project
manager of the P5-A Mars mission were in addition represented, as well as P3-E project manager Heike Straube. In the process of theses very
detailed discussions it became obvious and again and again clear that the guest and the hosts of SpaceX and AMSAT share a quite unite and
same philosophy and approach, and it will only lead again and again to success. Besides it was to be developed it is interesting to see
that Elon Musk has already his own ideas and plans toward Mars and there is here quite further thing in common in our goals in the present
time. In the further discussion also the technical aspects were discussed regarding possible launch configurations for AMSAT P3-E and P5-A,
with the appropriate schedules in addition. After an afternoon of very informative very positive discussions for both sides future further
deepening discussions were agreed upon. Possibly as a result of it also new perspectives for the AMSAT P3-E and P5-A Mars mission will

arise.

P.S. If AMSAT-NA set aside his Eagle funds towards P3E can we expect to have a HEO in 2009-2010? It is obvious that our German friends are
in a very advance state of completion for their HEO project. I just hope in a TRUE amateur radio spirit that all the international AMSAT'S
will regroup and support the AMSAT-DL project. It is no more a question of pride but a question of survival for the amateur satellite side
of our hobby.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2205. Merry Xmas and Happy New years

Yahoo group: eu-amsat
Date: 2008-12-23 20:14:19 UTC
From: st2nh
Topic: 2205 Message: 2205

hello all
wishing a Merry Xmas and Happy New Year (2009)for all
EU.AMSAT members and yours.
with a worm 73
Nader st2nh

2206. Re: [eu-amsat] Space X and P3E discussions!

Yahoo group: eu-amsat
Date: 2008-12-23 22:02:19 UTC
From: Trevor
Topic: 2204 Message: 2206

--- On Tue, 23/12/08, Luc Leblanc <lucleblanc6@...> wrote:
> P.S. If AMSAT-NA set aside his Eagle funds towards P3E can we expect
> to have a HEO in 2009-2010? It is obvious that our German friends are

Unfortunately I doubt there is a large pot of money reserved to cover all the Eagle costs. Money for past major Amateur satellites has usually been raised slowly during the period of construction and even continued to be raised after launch.

AMSAT-NA has already made donations to P3E as have AMSAT-UK, JAMSAT and others.

So far SpaceX has achieved one successful launch into a very low earth orbit out of 4 attempts. While it is certainly great news that another launcher is now available my understanding is that P3E and P5A require a launch into a Geo-stationary Transfer Orbit rather than LEO. A later version of the Falcon may well do that but the Falcon 9 has not yet been launched.

My personal guess is that when eventually AMSAT-DL announce they have found a suitable launch opportunity the launch itself will probably take place at least a year after the announcement. Since 2008 is drawing to a close without any announcements I'd guess we won't see P3E launched until 2010 or later.

Anyway lets hope that 2009 brings us the long awaited launch announcement.

Wishing you and everyone else on the list a very Happy Christmas and New Year.

73 Trevor M5AKA

2207. Re: [eu-amsat] Space X and P3E discussions!

Yahoo group: eu-amsat
Date: 2008-12-23 22:35:09 UTC
From: Thomas Frey
Topic: 2204 Message: 2207

Luc Leblanc schrieb:
>
> P.S. If AMSAT-NA set aside his Eagle funds towards P3E can we expect to have a HEO in 2009-2010? It is obvious that our German friends are
> in a very advance state of completion for their HEO project. I just hope in a TRUE amateur radio spirit that all the international AMSAT'S
> will regroup and support the AMSAT-DL project. It is no more a question of pride but a question of survival for the amateur satellite side
> of our hobby.
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>
>

I fully agree with you Luc.

Merry Christmas and a Happy New Year, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2208. Re: [eu-amsat] Space X and P3E discussions!

Yahoo group: eu-amsat
Date: 2008-12-24 05:48:48 UTC
From: Luc Leblanc
Topic: 2204 Message: 2208

On 23 Dec 2008 at 22:02, Trevor wrote:

> --- On Tue, 23/12/08, Luc Leblanc <lucleblanc6@...> wrote:
> > P.S. If AMSAT-NA set aside his Eagle funds towards P3E can we expect
> > to have a HEO in 2009-2010? It is obvious that our German friends are
>
> Unfortunately I doubt there is a large pot of money reserved to cover all the Eagle costs. Money for past major Amateur satellites has usually been raised slowly
> during the period of construction and even continued to be raised after launch.
>
> AMSAT-NA has already made donations to P3E as have AMSAT-UK, JAMSAT and others.
>
> So far SpaceX has achieved one successful launch into a very low earth orbit out of 4 attempts. While it is certainly great news that another launcher is now
> available my understanding is that P3E and P5A require a launch into a Geo-stationary Transfer Orbit rather than LEO. A later version of the Falcon may well do that but the Falcon 9 has not yet been launched.
>
> My personal guess is that when eventually AMSAT-DL announce they have found a suitable launch opportunity the launch itself will probably take place at least
> a year after the announcement. Since 2008 is drawing to a close without any announcements I'd guess we won't see P3E launched until 2010 or later.
>
> Anyway lets hope that 2009 brings us the long awaited launch announcement.
>
> Wishing you and everyone else on the list a very Happy Christmas and New Year.
>
> 73 Trevor M5AKA
>

Hi Trevor

I was inspIred when i read Barry Baines, WD4ASW President-AMSAT letter here is an excerpt

"Near Term Engineering Task Force. I announced at the AMSAT Annual Meeting in Atlanta that a group led by Bill Ress, N6GHZ had been formed
to review the 'Rideshare' Proposal developed by Tom Clark, K3IO as well as evaluate AMSAT's ability to develop a modularization strategy to
adapt RF packages to various structures. The committee has been diligently meeting every two weeks via teleconference to discuss future
options for AMSAT and to help structure AMSAT's thinking on future spacecraft opportunities. While it is too soon for formal announcements
of their findings, it is good to know that we have a formal group actively focused on engineering issues"

As you wisely wrote "Anyway lets hope that 2009 brings us the long awaited launch announcement" and even with the smallest amount of money
remaining in the "scrapped" former eagle project it can be of some help for AMSAT-DL who's now is the last remaining live HEO project.

Me too i was under the same very impression that "Money for past major Amateur satellites has usually been raised slowly
during the period of construction and even continued to be raised after launch" but when i read this other excerpt from Mr Barry Baines and
i quote:

"ITAR. I announced at the AMSAT Annual Meeting in Atlanta that AMSAT would actively develop a strategy concerning ITAR (International
Traffic in Arms Regulations) and related export regulations. Our goal is to ensure that AMSAT is in full compliance with ITAR, develop
materials to train our satellite builders on ITAR compliance, and to seek ways where we may continue to work with other AMSAT organizations
on satellite projects. Since the Annual Meeting, Bill Ress, N6GHZ and I have been working with an attorney who specializes in ITAR. We hope
to make a formal submission to the State Department regarding ITAR in early 2009."

I still don't believe that AMSAT-NA is refusing to cooperate with other AMSAT'S organization pretending they are part of the "AXE OF EVILS"
read this again carefully Quote "and to seek ways where we may continue to work with other AMSAT organizations on satellite projects."un
quote? Is AMSAT-DL is a terrorist refuge? is William Leijenaar PE1RAH and AMSAT INDIA threaten the US security?

If AMSAT-NA is now pretexting an US national security issue to stopped their cooperation and exchange with the all other international
AMSAT'S and as we all know this trick work's ounce but for those who are still sending their money to AMSAT-NA they should at least know
why AMSAT-NA is hiding their failures and poor judgement and actions or inactions behind a lie? Should i send the whole letter on this
site http://www.barackobama.com/index.php Trevor? (No need to answer this one in fact it is not directed at you)"

It will probably as the expression says "where the sh!! will hit he fan" but as i send a copy of my previous message also on AMSAT-BB and
as it will be also the same censorship who will stopped this one to be posted on AMSAT-BB i'm asking myself if the last change in the AMSAT-
BOD AND AT THE PRESIDENTIAL CHAIR is like an exchange of 4 quarters for a buck...

For the sake of history i will send this one also to the guy who wrote "Should you have any questions or concerns about AMSAT, please don't
hesitate to contact me" i know i'm not in the membership but if i should pay 40$ to get some explanations it worth it.

".As always, I appreciate hearing from the AMSAT membership. Should you have any questions or concerns about AMSAT, please don't hesitate
to contact me. I will make every effort to respond to e-mails that I receive, but please keep in mind that I travel extensively which may
limit my ability to respond quickly. Please know that I read every e-mail that I receive

from AMSAT members and that I appreciate every
person's willingness and time spent to share their thoughts and suggestions.

I don't want to be irrespectfull but when i read the above 3 words come in my mind BLA BLA BLA but i am accustomed as i read MR Rick Hambly
W2GPS various intervention during his too short passing in the AMSAT-NA presidential chair...I will missed him and i don't know where he's
gone as no farewell ceremony seems to have been organized for his departure!!! He's probably gone with the wind but no gales has been
reported in October in Atlanta? As an picture worth 1000 words lets us remembering one of the best my best friend... The right stuff. Just
hope he's not stuck in the fan blades.
http://n4hy.smugmug.com/gallery/1633095_oo8YD/1/79661419_JdsH6#79661419_JdsH6

As my mother ever says "If you have nothing intelligent to say shut it up" Quote "As you can see, there are a number of activities that
are ongoing within AMSAT. While we are challenged by the impact of current events, we continue to move forward in a number of areas."
I was not very polite at time as answered back BLA BLA BLA...

That's why they send in a priesthood school but i quit as i want to be Pope and i found there was not many openings!

Poor me! fool me ounce shame on me. Fool me twice shame on you! I think i'm loosing the count with AMSAT-NA...

But as someone says life is too short for QRP ;) And good luck Mr Baines as i think it will not be enough.

P.S. Mr Baines i already offer you one " to discuss future options for AMSAT" I don't know if you are a chess player but there is a part of
the game where someone yell "CHECK MATE" The sooner you admit it the faster you are able to start over a completely newer game! Playing
always on the same stick will only gets you bulbs on the hands and it can lead to deafness too (JOKE)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2209. Happy Xmas

Yahoo group: eu-amsat
Date: 2008-12-24 17:17:52 UTC
From: Bratu Florian Gabriel
Topic: 2209 Message: 2209

Merry Xmas to everibody and all the best from Romania.
73

2210. Merry Christmas

Yahoo group: eu-amsat
Date: 2008-12-24 17:59:46 UTC
From: luciano_nachif
Topic: 2209 Message: 2210

Merry Christmas to all of you who share knowledge, respect and peace over this great board.

Luciano Gasparini PT9KK
GG29qm

2211. Re:Merry Xmas and Happy New years

Yahoo group: eu-amsat
Date: 2008-12-25 09:30:20 UTC
From: Michael Klomfass, DH5MK
Topic: 2205 Message: 2211

Merry Christmas and a happy new year to all of you and yours.

73 and see you soon on the satellites

Mike

2212. RE: [eu-amsat] Re:Merry Xmas and Happy New years

Yahoo group: eu-amsat
Date: 2008-12-25 12:44:27 UTC
From: Dimitrios Pallis
Topic: 2205 Message: 2212

I wish you Merry Christmas , happy New Year with health and jobs for all people!!Dimitrios Pallis (JIMMY)73 de SW1JGWwww.sw1jgw.com

To: eu-amsat@yahoogroups.comFrom: michael@...: Thu, 25 Dec 2008 10:30:20 +0100Subject: [eu-amsat] Re:Merry Xmas and Happy New years

Merry Christmas and a happy new year to all of you and yours.

73 and see you soon on the satellites

Mike

_____
Send e-mail anywhere. No map, no compass.
http://windowslive.com/oneline/hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_anywhere_122008

2213. Telemetry.

Yahoo group: eu-amsat
Date: 2008-12-26 12:19:49 UTC
From: John Hackett
Topic: 1318 Message: 2213

Dear Amsat friends,
While having many years experience of analogue
satellite operating, I'm the first to admit that I'm a *TOTAL* ignoramous
regarding 'digitalis horriblis' ... so please don't 'smirk' at my question.

Is the telemetry from AO-51 transmitted continuously?, or only at certain
specified times? ... on 435.150? ...

I 'could' probably find the answer to these questions by 'Googling' ... but
isn't the Amsat-bb here for this precise purpose?.

Answers on a $100 note please, to <la2qaa@...> ... failing the
C note, an e-mail *WILL* be just as appreciated.

In anticipation of your answers - thank you.

Wishing you all a happy and prosperous 2009.

73 John. <la2qaa@...>

2214. Re: Telemetry.

Yahoo group: eu-amsat
Date: 2008-12-26 17:54:00 UTC
From: st2nh
Topic: 1318 Message: 2214

hi John

It's either so fun to decode the cube sat cw TLM.
I used a Hamscope to decode the cw TLM and HRD for doppler correction
pse see my experment with oscar and cube tlm at

http://www.st2nh.com/satellites

For Pacsat digital activity take a look at
http://www.st2nh.com/photos

73 de st2nh , Nader

www.st2nh.com

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> Dear Amsat friends,
> While having many years experience of
analogue
> satellite operating, I'm the first to admit that I'm a *TOTAL*
ignoramous
> regarding 'digitalis horriblis' ... so please don't 'smirk' at my
question.
>
> Is the telemetry from AO-51 transmitted continuously?, or only at
certain
> specified times? ... on 435.150? ...
>
> I 'could' probably find the answer to these questions
by 'Googling' ... but
> isn't the Amsat-bb here for this precise purpose?.
>
> Answers on a $100 note please, to <la2qaa@...> ... failing the
> C note, an e-mail *WILL* be just as appreciated.
>
> In anticipation of your answers - thank you.
>
> Wishing you all a happy and prosperous 2009.
>
> 73 John. <la2qaa@...>
>

2215. RE: [eu-amsat] Re: Telemetry.

Yahoo group: eu-amsat
Date: 2008-12-26 18:16:40 UTC
From: John Hackett
Topic: 1318 Message: 2215

Hello Nader,
Yes !!!, I followed your recent posts with great interest and
I must admit, they are ther very !!! reasom I'm starting to get interested
in telemetry again.

I did work the pacsats a couple of times but it was a long time ago and I've forgotten
everything.

I used to use a PSK-1 modem ('donated' by G7HIA) - if you remember those? ... with the
original "buzzsaw" modulation. How it "tracked" the downlink was a constant fascination for
me.

KB2BD's 'Pacsat' modem uses a similar system.

I first copied 2.4Ghs on Dove ... my-oh-my, doppler at 2.4Ghz on a LEO is ferocious !!! ...
and this was with manual !!! tuning on the FT-290 (MK 1)
as the back end of the converting system ... (75% homebrew).

It was a lot of fun. These days, it's all automatic.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Fri, 26 Dec 2008 17:54:00 +0000
Subject: [eu-amsat] Re: Telemetry.

hi John

It's either so fun to decode the cube sat cw TLM.

I used a Hamscope to decode the cw TLM and HRD for doppler correction

pse see my experment with oscar and cube tlm at

http://www.st2nh.com/satellites

For Pacsat digital activity take a look at

http://www.st2nh.com/photos

73 de st2nh , Nader

www.st2nh.com

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

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>

> Dear Amsat friends,

> While having many years experience of

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> satellite operating, I'm the first to admit that I'm a *TOTAL*

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> specified times? ... on 435.150? ...

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> I 'could' probably find the answer to these questions

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> isn't the Amsat-bb here for this precise purpose?.

>

> Answers on a $100 note please, to <la2qaa@...> ... failing the

> C note, an e-mail *WILL* be just as appreciated.

>

> In anticipation of your answers - thank you.

>

> Wishing you all a happy and prosperous 2009.

>

> 73 John. <la2qaa@...>

>

2216. FT 736 QUESTION

Yahoo group: eu-amsat
Date: 2009-01-02 11:03:09 UTC
From: Dimitrios Pallis
Topic: 1744 Message: 2216

I wish happy new year to the group.I would like to ask if i can use lower step than 100 hz in sat mode on FT 736.I cannot turn on the clar on sat mode!thank you

_____
Send e-mail faster without improving your typing skills.
http://windowslive.com/online/hotmail?ocid=TXT_TAGLM_WL_hotmail_acq_speed_122008

2217. Sat/EME DXpedition to Namibia

Yahoo group: eu-amsat
Date: 2009-01-02 16:21:16 UTC
From: dl5rdi
Topic: 2217 Message: 2217

Hello,

I heard about the DXpedition to Namibia which will be also QRV on satellites. Unfortunately none of the current satellites gives an oportunity to make a contact from JN58xx to Namibia via AO7 or FO29(I think these two have the best coverage. Or is there any satellite with a "bigger" footprint ?

Good luck for all sat-DXers in southern europe !

73 and hope to meet you on satellite

John

2218. Re: Sat/EME DXpedition to Namibia

Yahoo group: eu-amsat
Date: 2009-01-02 20:20:21 UTC
From: st2nh
Topic: 2217 Message: 2218

--- In eu-amsat@yahoogroups.com, "dl5rdi" <dl5rdi@...> wrote:

>
> Good luck for all sat-DXers in southern europe !

And Africa :-)

Nader,st2nh

2219. Samuel F.B.

Yahoo group: eu-amsat
Date: 2009-01-04 08:49:30 UTC
From: John Hackett
Topic: 2219 Message: 2219

My profound apologies to Igor UA9SB and Zlatko 9A2SB for the *MUCH* !!!
to be desired CW on AO-7 this morning.

I was using a computer microswitch in the palm of my hand as the keyer ...
see ... <http://www.observations.biz/Observations_from_Norway/observations_14_06_2008.htm>
... with just 2 watts of RF to the arrow antenna ... INDOORS !!! - (snowstorm outside).

Naturally, as an ex: professional Royal Signals telegraph instructor I was thoroughly
ASHAMED !!! of the standard of the CW this morning - but now
that I know I 'can' get out with this minimalistic equipment I'll set up a proper
keyer and get 'back in the game' ... (due to the aerial restrictions, I havn't
had a QSO for 6 months).

At least from the old days, Igor knows I 'am' capable of transmitting the odd few dit's and
dah's strung together without error - assuming a genuine key but hey !!!, the microswitch
did work - albeit a bit like a drunken sqaddie but it did
provide QSO's on AO-7 with the absolute minimum of equipment in a worse-case situation.

I really do feel for that American chappie last year who claimed one needed
a BRICK amplifier of 80 watts and a 'reasonable' beam aerial ... pillock !!!.

So ... Malc & Terry ... er' ba' gum lads, the bitch is back.

73 John. QRPp <la2qaa@amsat.org>

2220. "MORE POWER EGON, MORE POWER !!!.

Yahoo group: eu-amsat
Date: 2009-01-04 23:08:17 UTC
From: John Hackett
Topic: 2220 Message: 2220

(The title is from the infamous FRANKENSTEIN movie)

I'd like to reprint two prominent Amsat members comments - (snipped
from the latest Amsat News Service Bulletin).

They are referring to contacts with the ISS, which must be classed as a LEO satellite.

Please note the power levels referred to.

Is it really necessary to give the impression that such power levels are desirable?.

From N1JEZ.
>Power here was set at approximately 5 kW EIRP. I did drop
>10 dB and still got in as the ISS passed overhead. My full
>power setup here includes 80 watts in the shack to a 55 element
>1269 MHz Directive Systems loop yagi. My trans-mission line is
>75' of 7/8" hardline."

>Alan, WA4SCA said, "I have about 2500 watts EIRP on L-Band,
>minus some attenuation from trees, and could only bring it up
>above 45 degrees the limiting factor seemed to be having ...
Let's face it - EVERYBODY !!! has this kind of power available - (don't they?) - and it's
common knowledge that such equipment can be picked up almost free of charge at any of the
the local fleamarkets in Bangladesh, Mozambique or Ulan bator.

Of course !!! Amsat is promoting the hobby for 'everybody' ... the "rich man's club"
direction is merely a myth ... together with the pomposity.

... and before you start bombarding me with inflamatory remarks please be aware that my
comments are made with tongue firmly in cheek ... but I ask you, even the *LOWER* powered
station ... 2400 watts EIRP ?? ... and no,
this *wasn't* the gentleman who needed an 80w BRICK and 10 element beam to work AO-7.

The potential newcomer could be forgiven for thinking that you 'NEED' a kilowatt class EIRP
station to work the ISS.

Who'll give me 45, 45, 35, 35 25? ... Do we have any bids *UNDER* 2 kW ??. (EIRP)

73 John. <la2qaa@...>

2221. Re: [eu-amsat] "MORE POWER EGON, MORE POWER !!!.

Yahoo group: eu-amsat
Date: 2009-01-05 19:08:37 UTC
From: Thomas Frey
Topic: 2220 Message: 2221

John Hackett schrieb:
> (The title is from the infamous FRANKENSTEIN movie)
>
> I'd like to reprint two prominent Amsat members comments - (snipped
> from the latest Amsat News Service Bulletin).
>
> They are referring to contacts with the ISS, which must be classed as
> a LEO satellite.
>
> Please note the power levels referred to.
>
> Is it really necessary to give the impression that such power levels
> are desirable?.
>
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> >Power here was set at approximately 5 kW EIRP. I did drop
> >10 dB and still got in as the ISS passed overhead. My full
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> >1269 MHz Directive Systems loop yagi. My trans-mission line is
> >75' of 7/8" hardline."
>
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> >minus some attenuation from trees, and could only bring it up
> >above 45 degrees the limiting factor seemed to be having ...
>
> Let's face it - EVERYBODY !!! has this kind of power available -
> (don't they?) - and it's common knowledge that such equipment can be
> picked up almost free of charge at any of the the local fleamarkets in
> Bangladesh, Mozambique or Ulan bator.
>
> Of course !!! Amsat is promoting the hobby for 'everybody' ... the
> "rich man's club" direction is merely a myth ... together with the
> pomposity.
>
> ... and before you start bombarding me with inflamatory remarks please
> be aware that my comments are made with tongue firmly in cheek ... but
> I ask you, even the *LOWER* powered station ... 2400 watts EIRP ?? ...
> and no,
> this *wasn't* the gentleman who needed an 80w BRICK and 10 element
> beam to work AO-7.
>
> The potential newcomer could be forgiven for thinking that you 'NEED'
> a kilowatt class EIRP station to work the ISS.
>
> Who'll give me 45, 45, 35, 35 25? ... Do we have any bids *UNDER* 2 kW

> ??. (EIRP)
>
> 73 John. <la2qaa@...>
>

Hello John and a Happy new Year

You can NOT compare the rig (Kenwood TRX) in the ISS with a satellite. Mode-L is very deaf, so you need to send with kilowatts. There was a note and calculations in the SAREX forum. Sorry, I can't find the mail.

I think, we all are "big boys", so we know if we can send with QRO, QRP or QRPp. Or not ? ;-)

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2222. QRO !!! in February.

Yahoo group: eu-amsat
Date: 2009-01-06 12:59:27 UTC
From: John Hackett
Topic: 2220 Message: 2222

Happy New Year Thomas,
Don't worry, I was just blowing off a bit of steam
for the New Year ... it never harms to illustrate the - "use the required power to maintain effective communications".

As I mentioned previously, hardly anyone regulates their power as a satellite approaches TCA - (for the newcomer, TCA = "Time of Closest Approach" ... when the satellite is a lot nearer to you and usually about 3 - 6 dB stronger).

I've recently found out just how deaf the ISS rig is on 23cm - hardly worth
the effort when you need a kilowatt to have a QSO with the ISS. I'd guess
that effectively cuts out about 98% of the Amsat members (??) ... which was the main gist of my mail anyway.

I had good contacts again this morning on AO-7 with 2 watts to the ground floor indoor Arrow ... (EIRP about 15 watts) ... two stations answering my CQ so I *am* being heard with a QRP signal. The gentlemen concerned using both receiving aerials *AND* ears (!).

In February I move to the other side of the Island so I'll be able to set up the 'outside' aerials again - weather permitting - (this is the snowstorm season).

I'll probably go back to my 'ENORMOUS' 10 watts again.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 5 Jan 2009 20:08:37 +0100
Subject: Re: [eu-amsat] "MORE POWER EGON, MORE POWER !!!.

John Hackett schrieb:

> (The title is from the infamous FRANKENSTEIN movie)

>

> I'd like to reprint two prominent Amsat members comments - (snipped

> from the latest Amsat News Service Bulletin).

>

> They are referring to contacts with the ISS, which must be classed as

> a LEO satellite.

>

> Please note the power levels referred to.

>

> Is it really necessary to give the impression that such power levels

> are desirable?.

>

> From N1JEZ.

> >Power here was set at approximately 5 kW EIRP. I did drop

> >10 dB and still got in as the ISS passed overhead. My full

> >power setup here includes 80 watts in the shack to a 55 element

> >1269 MHz Directive Systems loop yagi. My trans-mission line is

> >75' of 7/8" hardline."

>

> >Alan, WA4SCA said, "I have about 2500 watts EIRP on L-Band,

> >minus some attenuation from trees, and could only bring it up

> >above 45 degrees the limiting factor seemed to be having ...

>

> Let's face it - EVERYBODY !!! has this kind of power available -

> (don't they?) - and it's common knowledge that such equipment can be

> picked up almost free of charge at any of the the local fleamarkets in

> Bangladesh, Mozambique or Ulan bator.

>

> Of course !!! Amsat is promoting the hobby for 'everybody' ... the

> "rich man's club" direction is merely a myth ... together with the

> pomposity.

>

> ... and before you start bombarding me with inflamatory remarks please

> be aware that my comments are made with tongue firmly in cheek ... but

> I ask you, even the *LOWER* powered station ... 2400 watts EIRP ?? ...

> and no,

> this *wasn't* the gentleman who needed an 80w BRICK and 10 element

> beam to work AO-7.

>

> The potential newcomer could be forgiven for thinking that you 'NEED'

> a kilowatt class EIRP station to work the ISS.

>

> Who'll give me 45, 45, 35, 35 25? ... Do we have any bids *UNDER* 2 kW

> ??. (EIRP)

>

> 73 John. <la2qaa@...>

>

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Mode-L is very deaf, so you need to send with kilowatts. There was a

note and calculations in the SAREX forum. Sorry, I can't find the mail.

I think, we all are "big boys", so we know if we can send with QRO,

QRP or QRPp. Or not ? ;-)

Mit freundlichen Grüssen, Best Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2223. Re: [sarex] Upcoming ARISS Contact Schedule as of 2000-01-07 19:00 UTC

Yahoo group: eu-amsat
Date: 2009-01-08 04:36:52 UTC
From: Luc Leblanc
Topic: 2223 Message: 2223

On 7 Jan 2009 at 14:04, AJ9N@... wrote:

> Upcoming ARISS Contact Schedule as of 2000-01-07 19:00 UTC
>
>
> Quick list of scheduled contacts and events:
>
> Aaxam Jatiya Vidyalaya, Guwahati, India telebridge via W6SRJ
> Contact was successful: Wed 2009-01-07 08:41 UTC 20 deg (***)
>

As per ISS crew activity for January 07 2009 a Montreal school contact is schedule but nothing appears on the ARISS contact schedule?
Is there two list running one official and another private one? This school contact is schedule at 0440 AM!!! pretty early for the students
and not exactly in the media prime time?

09:40-09:50 CDR, FE-1 HAM radio session with students from Montreal, Canada

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2224. Bordering on the ridiculous !!.

Yahoo group: eu-amsat
Date: 2009-01-08 09:17:08 UTC
From: John Hackett
Topic: 2224 Message: 2224

Hello Folks,
Avid readers of this reflector ... (he means the EU-Amsat reflector, folks) ... will have noted my fairly recent aerial restriction impose' ... and consequent 'migration' to QRPp (2w) to an Arrow aerial in a basement flat to work AO-7.

This morning I was "otherwise detained" - yes, there was a woman involved, and as the Americans say - go figure! ... but I digress ...

I missed the first part of the pass and by the time I'd switched the FT-790 on - AO-7 had gone AWOL (for the 'civilians' - that's absent without leave, or, as GM1SXX would have so eloquently phrased it, "awa'"... or, in Russian ... "sodded off" - behind one of the mountains.

However ... having gone to all that trouble of switching the rig on I decided to crank out a CQ anyway on my steam powered QRPp station.

Naturally, with the aforementioned equipment and current AO-7 location I did *NOT* expect a reply ... but sure enough, halfway through my call, there was Jean-Maria (F2IL) replying ... (good 'moaning' Jean)

I was gobsmacked.

I've operated a *LOT* of QRP this last 40 odd years but I've never experienced so much with so little ... William of Occam indeed !!.

Tis' vail to use more to acheave that which can be done with less.
Willy of Occam. 13th century AD.

Whether this time I was using my usual knife-edge propagation or just plain or garden variety sheer luck will remain debatable ... I can only refer to the title of this epistle.

The 'exploits' may be reviewed at your convenience at ...

<http://www.observations.biz/Observations_from_Norway/index.htm>

and ...

<http://www.observations.biz>

Notabena 1.

If you don't like the layout, blame GM1SXX.

Notabena 2.

I'm the good looking one, he's the one with short, fat, hairy legs.

73 John. <la2qaa@amsat.org>

2225. Re: [eu-amsat] Bordering on the ridiculous !!.

Yahoo group: eu-amsat
Date: 2009-01-08 17:06:21 UTC
From: Luc Leblanc
Topic: 2224 Message: 2225

On 8 Jan 2009 at 10:17, John Hackett wrote:

>
> Hello Folks,
>Avid readers of this reflector ... (he means the EU-Amsat reflector, folks) ... will have noted my fairly recent aerial restriction
impose' ...
>and consequent 'migration' to QRPp (2w) to an Arrow aerial in a basement flat to work AO-7.

Hi John

Could be some mobile operation in the kind of this one can be a solution as it seems they are in some Norway mountains?

http://vimeo.com/moogaloop.swf?clip_id=1778399&server=vimeo.com&show_title=1&show_byl

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2226. Re: [amsat-bb] Magazine Article on Cubesats

Yahoo group: eu-amsat
Date: 2009-01-08 20:14:44 UTC
From: Luc Leblanc
Topic: 2226 Message: 2226

On 8 Jan 2009 at 5:27, John . wrote:

> SatMagazine is a free web based magazine that I get each month. This month's issue is dedicated to Cubesats. They even mention AMSAT and amateur radio in one article. A link to the magazine is attached.
>
> http://www.satmagazine.com/cgi-bin/display_edition.cgi
>
> Regards
> John
>
>
>
Here it is on 3 lines... but read the rest about 10 pages on the cubes! what i like is "an international group of amateur radio operators"
they don't mention wich one NA or DL? Its one small step for the AMSAT'S but giant leap for THE HAM SATELLITE OP'S KIND.

"The workshop was also supported by AMSAT, an international group of amateur radio operators that is participating in ESEO by providing
some of the satellite communication functions. AMSAT will enable the ESEO flight operations to access
the Global Educational Network for Satellite Operations (GENSO) and the worldwide amateur radio network."

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2227. QUOTE

Yahoo group: eu-amsat
Date: 2009-01-08 23:17:24 UTC
From: st2nh
Topic: 2227 Message: 2227

A satellite has no conscience.

A quote by Edward R. Murrow
for sure not our OSCAR satellite Edward!! :-)

73,Nader.st2nh
www.st2nh.com

2228. Doppler in Norway.

Yahoo group: eu-amsat
Date: 2009-01-09 08:06:43 UTC
From: John Hackett
Topic: 2224 Message: 2228

Hi Luc,
BRILLIANT !!!! ... I'm calculating potential doppler rates
"as we speak".

Incidentally, the place in the videop is just down the road from me.

Perhaps people will realise now why I have a very short window and
sometimes 'disappear' ... (these little 'hills' they call MOUNTAINS).

Interesting for knife-edge propagation at UHF though.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Thu, 8 Jan 2009 12:06:21 -0500
Subject: Re: [eu-amsat] Bordering on the ridiculous !!.

On 8 Jan 2009 at 10:17, John Hackett wrote:

>

> Hello Folks,

>Avid readers of this reflector ... (he means the EU-Amsat reflector, folks) ... will have
noted my fairly recent aerial restriction

impose' ...

>and consequent 'migration' to QRPp (2w) to an Arrow aerial in a basement flat to work
AO-7.

Hi John

Could be some mobile operation in the kind of this one can be a solution as it seems they
are in some Norway mountains?

http://vimeo.com/moogaloop.swf?clip_id=1778399&server=vimeo.com&show_title=1&show_byl

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

2229. Re: [eu-amsat] Re: [amsat-bb] Magazine Article on Cubesats

Yahoo group: eu-amsat
Date: 2009-01-09 18:05:54 UTC
From: Thomas Frey
Topic: 2226 Message: 2229

Luc Leblanc schrieb:
> On 8 Jan 2009 at 5:27, John . wrote:
>
>
>> SatMagazine is a free web based magazine that I get each month. This month's issue is dedicated to Cubesats. They even mention AMSAT and amateur radio in one article. A link to the magazine is attached.
>>
>> http://www.satmagazine.com/cgi-bin/display_edition.cgi
>>
>> Regards
>> John
>>
>>
>>
>>
> Here it is on 3 lines... but read the rest about 10 pages on the cubes! what i like is "an international group of amateur radio operators"
> they don't mention wich one NA or DL?

AMSAT-NA I think. AMSAT-DL has no interest to support Cubesats.
AMSAT-DL is concentrating for Phase-3E and -5A.

Your question wonders me, this is well known and "usus".

Thanks for the link, I will read the article on page 9.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2230. OT

Yahoo group: eu-amsat
Date: 2009-01-10 17:08:09 UTC
From: Luc Leblanc
Topic: 2230 Message: 2230
Attachments: 1 described; binary payloads are missing from this source WARC

As we are in the cubes mood, it is could be the missing link of all the issues...

What you can see when traveling below the 49 deg of latitude over here.

I think they called that a paradox
"-"
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2231. The same old sad story

Yahoo group: eu-amsat
Date: 2009-01-10 20:33:27 UTC
From: st2nh
Topic: 2231 Message: 2231

Hi All

Tonight I missed a NEW ONE due to the big gun, bigmouthed and the big alligator !!! :-(

Some stations start to call CQ sat when ever the sat footprint cover their QTH regardless of any on going QSO or none. Please listen before test your downlink loop. 30 seconds of listening will not lost the entire 15 minutes pass.

73'S
Nader,st2nh
www.st2nh.com

2232. Great Website from KB2LJJ

Yahoo group: eu-amsat
Date: 2009-01-14 23:44:17 UTC
From: st2nh
Topic: 2232 Message: 2232

HI,
share with me this great website!

http://kb2ljj.serveftp.com/

the following lines from KB2LJJ's QRZ.COM page

KB2LJJ radio mods database offers approximately 7,000 Radio Mod's,
This comes close to 12Mb of the typical space. The KB2LJJ Radio Mods
Database is the premier online that stores many radios modifications,
that you can search on the Radio Mods Database for free.

73's John

KB2LJJ / CT1APV

Thanks John for the great work
73's de st2nh
www.st2nh.com

2233. Noise

Yahoo group: eu-amsat
Date: 2009-01-15 17:38:55 UTC
From: Bratu Florian Gabriel
Topic: 2233 Message: 2233

I have observed on AO51 that the industrial noise is lower on 145.880 uplink and very high on 145.920
Maby is possible to reduce completely the noise if the ground team connect again the 67Hz CTCSS.
For example the SO 50 have zero noise.
What's your opinion?

2234. Re: [eu-amsat] Noise

Yahoo group: eu-amsat
Date: 2009-01-15 19:05:12 UTC
From: Thomas Frey
Topic: 2233 Message: 2234

Bratu Florian Gabriel schrieb:
> I have observed on AO51 that the industrial noise is lower on 145.880
> uplink and very high on 145.920
> Maby is possible to reduce completely the noise if the ground team
> connect again the 67Hz CTCSS.
> For example the SO 50 have zero noise.
> What's your opinion?
>
>
>

Hello Florian

I agree with you. I had a personal dispute with Drew Glasbrenner about this topic. He will not switch on the CTCSS-tone because he want to investigate the intruders. This works eventually in NA but not in Europe and Asia. Its completely impossible to investigate the long range telephones and other stuff in Russia, China and elsewhere. Its thinking to the border but not over it (I hope you understand what I mean). On the ISS the V/U repeater is also activated for a 67 Hz tone.

Thanks for your posting, it confirms also my observations.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2235. Re: [amsat-bb] JAXA launch

Yahoo group: eu-amsat
Date: 2009-01-23 05:18:25 UTC
From: Luc Leblanc
Topic: 2235 Message: 2235

On 22 Jan 2009 at 23:32, Andrew Glasbrenner wrote:

> Based on this graphic,
> http://www.jaxa.jp/countdown/f15/overview/sequence_e.html , and some
> comparisons with satellites in similar orbits, I'm going to guess about
> 12:00 Midnight EST for AOS in Florida.
>
> Congratulations to JAXA and all the satellite teams.
>
> 73, Drew KO4MA
>

You can watch the launch replay in the NTV news spot

http://www.ntv.co.jp/news/allmovie-wmp300.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2236. Re: [eu-amsat] Re: [amsat-bb] JAXA launch

Yahoo group: eu-amsat
Date: 2009-01-23 12:53:45 UTC
From: Thomas Frey
Topic: 2235 Message: 2236

Hello All

According to http://prismblog365.blog14.fc2.com/ the CW beacon from
Prism was received.

TLE information

Estimated TLE at 21:10 JST, OBJECT B is selected.
1 33493U 09002B 09023.34407492 .02462206 00000-0 28507+0 0 39
2 33493 098.0469 135.0477 0052122 333.1161 026.7347 14.80679087 39

TLE information of PRISM at 14:00 JST.
1 00001U 09000A 09023.19677083 .00000000 00000-0 00000-0 0 08
2 00001 98.0360 134.8707 0039000 93.7900 202.2108 14.75450091 11

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2237. Wanted... What LEO Satellites Are Operational

Yahoo group: eu-amsat
Date: 2009-01-25 11:32:55 UTC
From: Andy
Topic: 2237 Message: 2237

Hi all
I am getting interested in Sat operation and have been looking on the net for information at what Sats are available.

To be honest i am finding the information confusing and also sorry to say out of date in a lot of cases.

So can anyone supply me information on LEO satellites , there up/down frequencies that are operational over UK / EUROPE .

Hope someone can help.

Thanks Andy G6OHM

2238. Wanted Software to Program the Satellite section on Kenwood TS2000

Yahoo group: eu-amsat
Date: 2009-01-25 11:38:05 UTC
From: Andy
Topic: 2238 Message: 2238

Hi all
I am looking for a easy to use program to program the satellite
section of my Kenwood TS2000.
I have mastered programming the memories using MCP-2000 Beta version.
Now i would like to program the satellite section.

Any help appreciated.

Andy G6OHM

2239. Re: [eu-amsat] Wanted... What LEO Satellites Are Operational

Yahoo group: eu-amsat
Date: 2009-01-25 14:21:02 UTC
From: Thomas Frey
Topic: 2237 Message: 2239

Andy schrieb:
> Hi all
> I am getting interested in Sat operation and have been looking on the
> net for information at what Sats are available.
>
> To be honest i am finding the information confusing and also sorry to
> say out of date in a lot of cases.
>
> So can anyone supply me information on LEO satellites , there up/down
> frequencies that are operational over UK / EUROPE .
>
> Hope someone can help.
>
> Thanks Andy G6OHM
>
>
>
Hello Andy

This satellites are active for QSO's:

AO-7 Mode A & B
Infos: http://www.planetemily.com/ao7/

FO-29:
Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&

ISS - @ moment 438.800 FM up / 145.800 FM down
Infos: http://www.issfanclub.com/

SO-50 - 145.850 FM up / 436.792 FM downn

AO-51:
Infos: http://www.amsat.org/amsat-new/echo/CTNews.php

VO-52:
Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&

The "Live OSCAR Satellite Status Page" you can find here:
http://oscar.dcarr.org/

Hope, this helps. CU on the birds,

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2240. Re: [eu-amsat] Wanted Software to Program the Satellite section on Kenwood TS2000

Yahoo group: eu-amsat
Date: 2009-01-25 14:27:06 UTC
From: Thomas Frey
Topic: 2238 Message: 2240

Andy schrieb:
> Hi all
> I am looking for a easy to use program to program the satellite
> section of my Kenwood TS2000.
> I have mastered programming the memories using MCP-2000 Beta version.
> Now i would like to program the satellite section.
>
> Any help appreciated.
>
> Andy G6OHM
>
>
>
Andy, to program the memory channels is one thing. The better way is
to use a good satellite tracking program with CAT. Look at
http://www.dk1tb.de/indexeng.htm for SatPC32.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2241. RE: [eu-amsat] Wanted... What LEO Satellites Are Operational

Yahoo group: eu-amsat
Date: 2009-01-25 15:38:11 UTC
From: John Hackett
Topic: 2237 Message: 2241

Well done !!! Thomas,
Now that's !!! what I call the true spirit of amateur
radio, and I say, credit where credit is due. That's !!! how to encourage the potential
newcomer ... not !!! by the whining we often see on the Amsat-bb.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 25 Jan 2009 15:21:02 +0100
Subject: Re: [eu-amsat] Wanted... What LEO Satellites Are Operational

Andy schrieb:

> Hi all

> I am getting interested in Sat operation and have been looking on the

> net for information at what Sats are available.

>

> To be honest i am finding the information confusing and also sorry to

> say out of date in a lot of cases.

>

> So can anyone supply me information on LEO satellites , there up/down

> frequencies that are operational over UK / EUROPE .

>

> Hope someone can help.

>

> Thanks Andy G6OHM

>

>

>

Hello Andy

This satellites are active for QSO's:

AO-7 Mode A & B

Infos: http://www.planetemily.com/ao7/

FO-29:

Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&

ISS - @ moment 438.800 FM up / 145.800 FM down

Infos: http://www.issfanclub.com/

SO-50 - 145.850 FM up / 436.792 FM downn

AO-51:

Infos: http://www.amsat.org/amsat-new/echo/CTNews.php

VO-52:

Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&

The "Live OSCAR Satellite Status Page" you can find here:

http://oscar.dcarr.org/

Hope, this helps. CU on the birds,

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2242. Re: [eu-amsat] Wanted... What LEO Satellites Are Operational

Yahoo group: eu-amsat
Date: 2009-01-25 16:46:35 UTC
From: Eric Knaps
Topic: 2237 Message: 2242

Hello,

I think uplink fot ISS at the moment is 437.800 and not 438.800.

73's
Eric.

Thomas Frey schreef:
>
> Andy schrieb:
> > Hi all
> > I am getting interested in Sat operation and have been looking on the
> > net for information at what Sats are available.
> >
> > To be honest i am finding the information confusing and also sorry to
> > say out of date in a lot of cases.
> >
> > So can anyone supply me information on LEO satellites , there up/down
> > frequencies that are operational over UK / EUROPE .
> >
> > Hope someone can help.
> >
> > Thanks Andy G6OHM
> >
> >
> >
> Hello Andy
>
> This satellites are active for QSO's:
>
> AO-7 Mode A & B
> Infos: http://www.planetemily.com/ao7/ <http://www.planetemily.com/ao7/>
>
> FO-29:
> Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&
> <http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&>
>
> ISS - @ moment 438.800 FM up / 145.800 FM down
> Infos: http://www.issfanclub.com/ <http://www.issfanclub.com/>
>
> SO-50 - 145.850 FM up / 436.792 FM downn
>
> AO-51:
> Infos: http://www.amsat.org/amsat-new/echo/CTNews.php
> <http://www.amsat.org/amsat-new/echo/CTNews.php>
>

> VO-52:
> Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&
> <http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&>
>
> The "Live OSCAR Satellite Status Page" you can find here:
> http://oscar.dcarr.org/ <http://oscar.dcarr.org/>
>
> Hope, this helps. CU on the birds,
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>
>

2243. Re: [eu-amsat] Wanted... What LEO Satellites Are Operational

Yahoo group: eu-amsat
Date: 2009-01-25 17:19:42 UTC
From: Thomas Frey
Topic: 2237 Message: 2243

Eric Knaps schrieb:
> Hello,
>
> I think uplink fot ISS at the moment is 437.800 and not 438.800.
>
> 73's
> Eric.
>

Yes sorry, it was a typo with too much 8s ;-)

And the frequencies of AO-51 are on
http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=1

> Thomas Frey schreef:
>
>> Andy schrieb:
>>
>>> Hi all
>>> I am getting interested in Sat operation and have been looking on the
>>> net for information at what Sats are available.
>>>
>>> To be honest i am finding the information confusing and also sorry to
>>> say out of date in a lot of cases.
>>>
>>> So can anyone supply me information on LEO satellites , there up/down
>>> frequencies that are operational over UK / EUROPE .
>>>
>>> Hope someone can help.
>>>
>>> Thanks Andy G6OHM
>>>
>>>
>>>
>>>
>> Hello Andy
>>
>> This satellites are active for QSO's:
>>
>> AO-7 Mode A & B
>> Infos: http://www.planetemily.com/ao7/ <http://www.planetemily.com/ao7/>
>>
>> FO-29:
>> Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&
>> <http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=5&>
>>

>> ISS - @ moment 438.800 FM up / 145.800 FM down
>> Infos: http://www.issfanclub.com/ <http://www.issfanclub.com/>
>>
>> SO-50 - 145.850 FM up / 436.792 FM downn
>>
>> AO-51:
>> Infos: http://www.amsat.org/amsat-new/echo/CTNews.php
>> <http://www.amsat.org/amsat-new/echo/CTNews.php>
>>
>> VO-52:
>> Infos: http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&
>> <http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=2&>
>>
>> The "Live OSCAR Satellite Status Page" you can find here:
>> http://oscar.dcarr.org/ <http://oscar.dcarr.org/>
>>
>> Hope, this helps. CU on the birds,
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>> ----------
>>
>> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>>
>>
>>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2244. Mutual window east NA and europe

Yahoo group: eu-amsat
Date: 2009-01-26 14:12:39 UTC
From: Luc Leblanc
Topic: 2244 Message: 2244

Hi

I will be QRV on FO-29 on the January 26 0143Z pass most of northern Europe and Scandinavia will be in the same footprint. I know it will
be early in the night but just in case some can be awake at that time it will be a good DX pass (new grids?).

See you there.

P.S. Many LEO'S are empty at those hours.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2245. Re: [Satellites] RE: AMSAT???

Yahoo group: eu-amsat
Date: 2009-01-26 19:20:05 UTC
From: Luc Leblanc
Topic: 2245 Message: 2245

From e-ham net where the action shiffted to:)

My comments in the text

> Posted By KD5NJR
>
> I believe there is a single paid employee (Martha) in "all of AMSAT".
>
Yep we here in Canada we lost at RAC the equivalent in the name of the late Debbie Norman VA3RGM
General Manager. A dedicated women as Martha
>
> It's just a volunteer organization. They have their hands full just getting the newsletter out.
>
Probably the only one AMSAT membership tangible assets actually
>
> Here below is one way to explain the inaction you perceive.
>
>
>
> 1) The early OSCARS rode for free as balast.
There was also ballast in the last JAXA launch...
> 2) Now they don't. Mass = money.
If we add up the total mass of the cubes already in space EAGLE AND P3E should already be in space
> 3a) Donors = money
Yep but they need more than a journal and an annual general meeting/show
> 3b) Donations = eager (cranky?) satellite users.
Yep they want to make QSO ON AN AMATEUR SATELLITE FOR MORE THAN 15 MINUTES PER PASS
> 4) These users want long (hours, not seconds), DX QSOs.
Yep see above
> 5a) So, there is a lot of pressure to employ frequencies and modulation schemes that can service the greatest number of users / kilogram. And they want that package in a high (long duration) orbit.
Yep we agree here also
> 5b) There is resistance to above when it means building / buying new ground station equipment for the end users. Years were spent in discussion on these points.
>
Stay in a KISS configuration and keep the fancy and exotic mode for a later launch
>
> 6) The lab was mothballed for a while after AO-40.
>
I keep mine away from mothballed as i recycle them on LEO'S and it helps to justify the junk in my backyard to my wife eyes...we never

know! see this http://www.imdb.com/title/tt0338706/ A good week end film to watch;)
>
> From when I got my ticket until last year (trying to cut back on costs) I was paid up on ARRL and AMSAT. Did the FMsat and PCSat thing. I have my IC-910. Listening for a clear game plan.
> Then, I'll resume donations and collecting hardware for my station.
>
Who comes first syndrome the egg or the chicken?
>
> 73
>
> Scott
>
> KD5NJR
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2246. Packet burst at 145.800

Yahoo group: eu-amsat
Date: 2009-01-27 01:55:38 UTC
From: Luc Leblanc
Topic: 2246 Message: 2246

On January 25 at 2040 EDT my transceiver was left on 145.800mhz and i hear a couple of packet burst. ISS was not in view at that time and
no other packet cube sat orbits seems to match? Is it something i heard in direct? the signal fade and he was shifting in frequency exactly
as it was coming from a satellite?

Any clues?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2247. AGWPE serial Loopback Interface !!

Yahoo group: eu-amsat
Date: 2009-01-31 12:08:52 UTC
From: st2nh
Topic: 2247 Message: 2247

Hi All

I found this information on SV2AGW's webside http://www.sv2agw.com.

Serial LoopBack Interface
An Utility that creates a Virtual Serial Port for programs that have
no native
support for Packet Engine, like Wisp. Author Tim Pearson, KB9VQF.
.....

Dose any one try this software with wisp??

thanks in advance

Nader,st2nh
www.st2nh.com

2248. Satellite list!

Yahoo group: eu-amsat
Date: 2009-02-03 19:58:06 UTC
From: Luc Leblanc
Topic: 2248 Message: 2248

Some of you are probably aware but just in case check the last updated lists on:

http://www.ucsusa.org/nuclear_weapons_and_global_security/space_weapons/technical_issues/ucs-satellite-database.html
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2249. Beginners slide show

Yahoo group: eu-amsat
Date: 2009-02-04 09:46:42 UTC
From: g4dpz
Topic: 2249 Message: 2249

Hi,

FYI, Carlos Eavis, G0AKI (RSGB) and I did a Satellite Beginners presentation at the Leicester Radio Show last year.

The slide show can be found at:

http://www.slideshare.net/g4dpz/amateur-satelllite-beginners-presentation

73

Dave, G4DPZ
AMSAT-UK 1267
AMSAT-NA LM-1260

2250. AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-08 15:37:50 UTC
From: SV1BSX
Topic: 2250 Message: 2250

Hello all,

today the Grand Old Lady (aka AO-7) seems to be "OFF" !

I really hope to listen the lovely "Lady" in the next pass and I keep my fingers crossed for that,
however this "OFF" seems to be unusual & unexpected for this period.

Just keep your "ears" open and try to monitor both Modes (A & B) for the next passes over Europe (~ 16:30 & 18:20 UTC).

Your reports are welcome (here -or- into Emily's Online LOG).

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2251. Re: AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-08 15:56:03 UTC
From: dh5mk
Topic: 2250 Message: 2251

Hi Mak,

lets hope it comes back!! Keep all fingers crossed ...

73 to all
Mike

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all,
>
> today the Grand Old Lady (aka AO-7) seems to be "OFF" !
>
> I really hope to listen the lovely "Lady" in the next pass and I
keep my fingers crossed for that,
> however this "OFF" seems to be unusual & unexpected for this period.
>
> Just keep your "ears" open and try to monitor both Modes (A & B)
for the next passes
> over Europe (~ 16:30 & 18:20 UTC).
>
> Your reports are welcome (here -or- into Emily's Online LOG).
>
> 73, Mak SV1BSX
>
>
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

2252. Re: [eu-amsat] Re: AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-08 17:10:51 UTC
From: SV1BSX
Topic: 2250 Message: 2252

Hi Mike & Group,

I was monitoring the whole pass over my QTH between 16:22 - 16:42 Z,
however Mode-A & B neither were "OFF".

BTW I also observed that, the usual transponder "noise" of AO-7 was easily
readable around
145.938 - 145.942 MHz, when the satellite was close to my TCA.

To be honest, I am not very sure if this noise was from the satellite -or-
it was a local
man-made noise close to me. The bad news is that, I didn't listen any
longer the noise after
the LOS of AO-7. I would like to hear somebody else to confirm that, as I
said before,
I am not very sure about the noise's source.

In any case, If the noise was from the satellite, it might be the
downlink-section is ON, however the "Uplink" is probably "deaf".

Sudden....

73, Mak SV1BSX

----- Original Message -----
From: "dh5mk" <michael@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, February 08, 2009 5:56 PM
Subject: [eu-amsat] Re: AO-7 is OFF....

> Hi Mak,
>
> lets hope it comes back!! Keep all fingers crossed ...
>
> 73 to all
> Mike
>
>
> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>>
>> Hello all,
>>
>> today the Grand Old Lady (aka AO-7) seems to be "OFF" !
>>
>> I really hope to listen the lovely "Lady" in the next pass and I
> keep my fingers crossed for that,
>> however this "OFF" seems to be unusual & unexpected for this period.

>>
>> Just keep your "ears" open and try to monitor both Modes (A & B)
> for the next passes
>> over Europe (~ 16:30 & 18:20 UTC).
>>
>> Your reports are welcome (here -or- into Emily's Online LOG).
>>
>> 73, Mak SV1BSX
>>
>>
>>
>>
>> Email: sv1bsx "AT" yahoo .gr
>> URL : http://sv1bsx.50webs.com
>>
>
>
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>

2253. Re: [eu-amsat] AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-08 17:20:05 UTC
From: Thomas Frey
Topic: 2250 Message: 2253

SV1BSX schrieb:
> Hello all,
>
> today the Grand Old Lady (aka AO-7) seems to be "OFF" !
>
> I really hope to listen the lovely "Lady" in the next pass and I keep
> my fingers crossed for that,
> however this "OFF" seems to be unusual & unexpected for this period.
>
> Just keep your "ears" open and try to monitor both Modes (A & B) for
> the next passes
> over Europe (~ 16:30 & 18:20 UTC).
>
> Your reports are welcome (here -or- into Emily's Online LOG).
>
> 73, Mak SV1BSX
>
>

Hello Mak and group

I monitored 29.450 MHz the last 2 orbits but have nothing heard. During the next orbits I will monitor 29.450 and 145.972 MHz.

Also http://oscar.dcarr.org/ has red entries. Hopefully AO-7 is not passed.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2254. Re: [eu-amsat] AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-08 18:54:32 UTC
From: Thomas Frey
Topic: 2250 Message: 2254

Thomas Frey schrieb:
> During
> the next orbits I will monitor 29.450 and 145.972 MHz.
>
>
Nothing heard during the last pass. :-(AO-7 was full sunlit.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2255. Re: AO-7 is OFF....

Yahoo group: eu-amsat
Date: 2009-02-09 17:42:59 UTC
From: st2nh
Topic: 2250 Message: 2255

Hi,
The old lady still so sexy ;-)
here a post from AMSAT BB

Orbit 56683 and 56684 The beacon is operational again.
Did not check at 10:15UTC
orbit 56682 was busy working lots of Dx stations
9A2SB,G7BTA,F2IL,G1WPR,PE1BVQ,EA3AGH hi hi.
Joe Amsat 3788
---
73 Nader , st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Thomas Frey schrieb:
> > During
> > the next orbits I will monitor 29.450 and 145.972 MHz.
> >
> >
> Nothing heard during the last pass. :-(AO-7 was full sunlit.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2256. All on board ISS messages list

Yahoo group: eu-amsat
Date: 2009-02-09 22:57:08 UTC
From: st2nh
Topic: 2256 Message: 2256

```
Hello All
with a low elevation
16:28 to 16:36 utc
I have managed to sent a message
download all the messages list
and read 4 messages.

As I said before, it is so quite over Africa :-)

-------------------------------------------

Welcome to RS0ISS's message board
System Ver 1.50 105422 Bytes free
CMD(F/K/M/R/W/B/H/?)>
w all
Subject:
hello
Message:
pse see www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
l
Msg# Size TS Date Time From To @ BBS Subject
97 27 /2218 ST2NH >ALL hello
91 201 $ /1543 EB1IAT>ALL
90 76 /1518 LW5DGM>ALL Saludo
89 57 /1518 LW5DGM>ALL Hola
82 122 17-Mar/0132 CX1AQN>ALL
81 8 17-Mar/0131 CX1AQN>ALL
79 8 16-Mar/1853 VE2HAR>ALL Hello
72 416 /1120 LW6DC >ALL Hello ISS fans !!
71 123 /0044 EB5AGV>ALL Hello from EB5AGV
67 55 /1639 CS1RAD>ALL hello from Portugal
65 159 /0059 VK2MAL>ALL Thankyou ARISS
63 45 10-Mar/0012 HS3LSE>ALL Hello fmThailand
61 72 09-Mar/1251 E20YJC>ALL Hello
59 24 09-Mar/0416 ST2NH >ALL hi
58 65 08-Mar/2323 DL6SDA>ALL Regards
57 28 /0013 E20YJC>ALL nice to see you again iss 73
55 240 /0753 N4ERO >ALL Hello
54 37 06-Mar/1356 CE3QC >ALL Hello from Chile
53 18 06-Mar/1354 CE3QC >ALL ALL
52 144 /0154 PD0RKC>ALL http://iss.ontwikkel.nl
51 164 /1219 SP9TTX>ALL Merry XMAS
50 76 /0349 LW5DGM>ALL Saludo
```

```
41 53 $ /1735 PY3RAA>ALL FELIZ NATAL A TODOS
38 58 /1109 LW5DGM>ALL Saludo
27 43 /1330 EA6XQ >ALL MERRY XMAS
22 133 /0044 N6NR >ALL Hello Crew
21 85 B$ /2150 IK0XIH>ALL greetings
19 58 /1940 EA7AHA>ALL 73 de EA7AHA
16 108 /0341 W3ADO >ALL HI from Naval Academy
11 79 B$ /1656 UA9UIZ>ALL Hello All
1 103 /0458 ON6HN >ALL Hello from ON6HN
105356 Bytes free
Next message Number 98
CMD(F/K/M/R/W/B/H/?)>
r 21
Posted : 21:50:05
From : IK0XIH
To : ALL
@ BBS :
Subject:greetings

Merry christmas to the crew and all readers...!
Best 73s de Gianluca IK0XIH

CMD(F/K/M/R/W/B/H/?)>
r 1
Posted : 04:58:18
From : ON6HN
To : ALL
@ BBS :
Subject:Hello from ON6HN

Greetings from Belgium, name is Hugo, qth is Tongeren JO20RS
email: on6hn@...

CMD(F/K/M/R/W/B/H/?)>
r 55
Posted : 07:53:00
From : N4ERO
To : ALL
@ BBS :
Subject:Hello

To : KE5AIT
From: N4ERO
Time: 025126UTC
Date: 29 Jan 2009
-----------------
Hello Mike,
I hope you are all doing well. Tell Yury and Sandy hello for me.
Looking forward to

working you on voice soon. Take care and God Bless
Rev. Carl
```

CMD(F/K/M/R/W/B/H/?)>
r 65
Posted : 00:59:09
From : VK2MAL
To : ALL
@ BBS :
Subject:Thankyou ARISS

Thanks to the ARISS team for or the great work in organisng different modes on the ISS

good to see the BBS still working as wel

---

73 de Nader, st2nh
www.st2nh.com

2257. Re:Was HEO naivete

Yahoo group: eu-amsat
Date: 2009-02-10 10:23:54 UTC
From: Luc Leblanc
Topic: 2257 Message: 2257

Just for the record in those trouble days.

Since the end of AO-40 this feedup wave came and go at moderate chop beyond the reef. I was surfing also time to time but on Feb the 10 UTC
on FO-29 0110 pass and i was alone with KC4KMY. In the eastern NA common foot print ALL the northern, eastern and south European continent
was in view and in bonus the north and east coast of Africa. Near LOS the northern part of South America up to the amazon river was in
view.

Signal where Q5 but only two surfers... I know they where sleeping on the old continent but if by any chance someone is passing by his
shack overnight heading to his toilet just check through the blinds for a couple of minutes. There is a lot of DX opportunities on FO-29
actually.

In the AO-40 era most of the DX pass where overnight here and it was near the only one way to have super DX QSO's

BTW the first step towards the next HEO is to have one international AMSAT regrouping all the expertise and funds. That's what someone
named Obama tells the crowds regroup and get together!

The public works snow blower is just passing on my street widening it (one pass on each side and two other on an intersection) and shooting
all his stuff directly on my front house terrain making a superb sound and light show... at 0500AM :(too bad no satellite in view!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2258. Re:Was HEO naivete

Yahoo group: eu-amsat
Date: 2009-02-10 14:25:54 UTC
From: dl5rdi
Topic: 2257 Message: 2258

Hello Luc,

what is you locator ? I am in JN58xx (sout-east Germany) and I often try to work the western low elevation passes on AO7 and FO29.
But the only NA Station I worked in all modes on AO7 and via FO29 is K3SZH.
No NA station is answering my (ofen lonesome) CQ-calls and I do not hear any NA stations tuning over the passband (even if it is afternoon/evening) in NA.

In fact my location allows only a few minutes to work NA (not as easy like from UK or spain), but lets make a sked !

73 de John, DL5RDI

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> Just for the record in those trouble days.
>
> Since the end of AO-40 this feedup wave came and go at moderate chop beyond the reef. I was surfing also time to time but on Feb the 10 UTC
> on FO-29 0110 pass and i was alone with KC4KMY. In the eastern NA common foot print ALL the northern, eastern and south European continent
> was in view and in bonus the north and east coast of Africa. Near LOS the northern part of South America up to the amazon river was in
> view.
>
> Signal where Q5 but only two surfers... I know they where sleeping on the old continent but if by any chance someone is passing by his
> shack overnight heading to his toilet just check through the blinds for a couple of minutes. There is a lot of DX opportunities on FO-29
> actually.
>
> In the AO-40 era most of the DX pass where overnight here and it was near the only one way to have super DX QSO's
>
> BTW the first step towards the next HEO is to have one international AMSAT regrouping all the expertise and funds. That's what someone
> named Obama tells the crowds regroup and get together!
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> The public works snow blower is just passing on my street widening it (one pass on each side and two other on an intersection) and

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> all his stuff directly on my front house terrain making a superb
sound and light show... at 0500AM :(too bad no satellite in view!
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

2259. Re: [eu-amsat] Re:Was HEO naivete

Yahoo group: eu-amsat
Date: 2009-02-10 15:39:26 UTC
From: Luc Leblanc
Topic: 2257 Message: 2259

On 10 Feb 2009 at 14:25, dl5rdi wrote:

> Hello Luc,
>
> what is you locator ? I am in JN58xx (sout-east Germany) and I often
> try to work the western low elevation passes on AO7 and FO29.
> But the only NA Station I worked in all modes on AO7 and via FO29 is
> K3SZH.
> No NA station is answering my (ofen lonesome) CQ-calls and I do not
> hear any NA stations tuning over the passband (even if it is
> afternoon/evening) in NA.
>
> In fact my location allows only a few minutes to work NA (not as easy
> like from UK or spain), but lets make a sked !
>
> 73 de John, DL5RDI

Hi John

I am in FN36KA and there is two pass on Feb 11 the first one a 1.4deg maximum elevation at 0020Z and the second one at 0107 up to 12 deg we
will be both in the same path but i don't count too much on the first one at 1.4deg.

We will have the same pass as the one i refer in my first post on February the 12 at 0107Z and she's better that this one today. Even Italy
will be in the same footprint up to the south of Italy. A great great DX pass.

I call CQ around 145.960mhz +- doppler and i will have automatic doppler compensation. If you don't have automatic doppler it will be
better to manually adjust for doppler on both sides?

Just hope we can drive some pile ups...!

I will be there on both days and if the first pass is unsuccesfull on the 11 i will try on the second one.

73

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2260. ARISS contact planned today with school in ALEXANDROUPOLIS, GREECE

Yahoo group: eu-amsat
Date: 2009-02-10 23:15:28 UTC
From: SV-AmSat
Topic: 2260 Message: 2260

The International Space Station Expedition 18 ARISS school contact has been planned with participants at 1st and 2nd Lyceums of Alexandroupolis, Greece on Wednesday 11 February 2009. The event is scheduled to begin at approximately 07:43 UTC.

The contact will be a direct between stations OR4ISS and SX7ISS. The contact should be audible over most of Europe and the Near-East. Interested parties are invited to listen in on the 145.800 MHz downlink. The participants are expected to conduct the conversation in English.

Alexandroupolis is the capital of Evros (population over 60.000) and has a leading role in the geographical area of Eastern Macedonia and Thrace, being the connecting gate between the countries of the European Union, the Mediterranean area, Asia and the countries around the Black sea. Therefore, the town has become one of the major junctions of the European Union.

The ARISS school contact will take place in 1st High School Alexandroupolis, Evros, Greece. About 70-80 students from 1st and 2nd High School will participate to this event. Students are aged 15-16 years.

Orestiada High School will also participate (about 25 students). All the students have astronomy lessons in 2nd Class.

---
avast! Antivirus: Outbound message clean.
Virus Database (VPS): 090209-0, 09/02/2009
Tested on: 11/2/2009 01:15:30
avast! - copyright (c) 1988-2009 ALWIL Software.
http://www.avast.com

2261. FWD: US ASTRONAUT SANDRA MAGNUS TALKS WITH SCHOOLS IN GREECE

Yahoo group: eu-amsat
Date: 2009-02-11 10:04:15 UTC
From: SV-AmSat
Topic: 2261 Message: 2261

February 11, 2009

US ASTRONAUT SANDRA MAGNUS TALKS WITH SCHOOLS IN GREECE

Wednesday, 11 February 2009 at 07:43 UTC, i.e. 09:43 local time, 1st High School Alexandroupolis, Evros, Greece established a direct contact with US astronaut Sandra Magnus, KE5FYE on board the International Space Station. The Amateur Radio school station operated the contact with callsign SX7ISS.

Sandra answered all 20 questions which had been prepared by the students.

Audience in the meeting room counted over 200 students, while 700 more students listened to the space talk in the garden. Four schools participated to the event.

Special guests were the representative of Greek Minister of Telecommunications and the Director of Education of Evros.

3 TV stations, 2 radio stations and several newspapers granted the event national coverage.

Congratulations to the schools in Alexandroupolis and to the amateur radio team, comprising Manos Darkadakis SV1IW and Cliff Sacalis, SV1JG, respectively President and Vice President RAAG - Radio Amateur Association of Greece.

Photos and an mp3 audio file will be attached to this News Bulletin, archived at:
http://www.ariss-eu.org/archive.htm

73

Gaston Bertels, ON4WF
ARISS-Europe chairman

avast! Antivirus (http://www.avast.com): Outbound message clean.
Virus Database (VPS): 090209-0, 09/02/2009
Tested on: 11/2/2009 12:04:17
avast! - copyright (c) 1988-2009 ALWIL Software.

2262. (no subject)

Yahoo group: eu-amsat
Date: 2009-02-11 13:24:06 UTC
From: John Hackett
Topic: 2262 Message: 2262

Hello Al,
I see the Amsat-NA website this month kicks off with ...

JAPAN LAUNCHES AMATEUR RADIO SATELLITES On JANUARY 23.

One could be forgiven for thinking Japan had actually launched some amateur radio satellites ... which of course they havn't.

What they have done is launch a 'bunch' of university satellites using AMATEUR RADIO frequencies ... and not even cubesats, to boot.

In my book (and that of the late Commander John Brannegan) there IS a difference between an amateur radio satellite and a university satellite.

Anyone interested in the prior warning of 1994 re: the 'thieving' of amateur radio frequencies is invited to read...

<http://www.observations.biz/Satgen/sgen268.txt>

Nowadays these assets (frequencies) are being 'sold off' to any and every university wanting to copy what university 'x' did last year. hardly any of these so called AMATEUR SATELLITES are serving any useful purpose to radio amateurs.

There are a select few radio amateurs capturing telemetry data serving the UNIVERSITIES but little or no advantage is given to the average radio amateur so IMHO it's a misnomer calling them AMATEUR RADIO SATELLITES.

RS 10, 12, 13 and AO-7 are/were amateur radio satellites, IMHO, the current crop of rice boxes are misnamed by Amsat as amateur radio satellites.

I would call them UNIVERSITY satellites using amateur radio frequencies.

73 John. <la2qaa@...>

2263. Re: closer to ZERO

Yahoo group: eu-amsat
Date: 2009-02-11 15:03:29 UTC
From: SV1BSX
Topic: 2263 Message: 2263

I SUBSCRIBE ! 100 %.

BTW before 2-3 days, the AO-7 was "OFF" for about 24 hours, and I was thinking the future of Amateur Satellite Service *Without* the "Old Lady":

closer to ZERO ~ !

Definitely is very sad as the next better Linear LEO-Satellite (FO-29) is very old as well and the problems of it are
widely known (it was "OFF" for about 18 months due to battery-problem).
The third in class linear-LEO, the VO-52, is good enough but too close to Earth surface (600 Km) and thus it does
not offer any good opportunity for DX - QSOs.

Having in mind that the launch-day of the next HEO is completely unkown and out of any dead-line, I can't really
imagine why nowadays a new-Ham must be involved with the Amateur Satellites.

It's obvious that, nobody newcomer should be spent money in order to be able to listen a Satellite into
Amateur Satellite zones - without the ability to use it (see "University-Sat".)

Therefore, this kind of Satellites are definitely "OUT" of the Ham-spirit and thus they are not
Amateur Satellites.

73, Mak SV1BSX

----- Original Message -----
From: John Hackett
To: allan_gm1sxx@...
Cc: eu-amsat@yahoogroups.com ; amsat-bb@amsat.org
Sent: Wednesday, February 11, 2009 3:24 PM
Subject: [eu-amsat]

Hello Al,
I see the Amsat-NA website this month kicks off with ...

JAPAN LAUNCHES AMATEUR RADIO SATELLITES On JANUARY 23.

One could be forgiven for thinking Japan had actually launched some amateur radio satellites ... which of course they havn't.

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I would call them UNIVERSITY satellites using amateur radio frequencies.

73 John. <la2qaa@...>

2264. New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-12 00:26:56 UTC
From: st2nh
Topic: 2262 Message: 2264

Hi John

Just ask the AMSAT why they gave some of university sat an OSCAR numbers?

Take a look to AMSAT web page you well see all the new sat listed there! http://www.amsat.org/amsat-new/satellites/status.php

'Thieving'!!! IMHO I don't think so John!
Every university has a website explain what a ham radio is.
IMHO I think this populate our hobby in high educational community

IMHO this more useful to radio amateur in our modern time to spread our hobby .and valuable to upgrade our hobby for the future

Do you think the new generation well be interesting to RST report? or they will be looking for more sophisticate technical aspect of our satellite communication?

In near future the Amateur operator well need a satellite to upload the last DVD Movie to his friend and download the last version of the new PC operating system for his laptop via amateur satellites!

IMHO change wll come soon .

73 de
Nader , st2nh

--- In eu-amsat@...m, John Hackett <archie.hackett@...>
wrote:
>
>
> Hello Al,
> I see the Amsat-NA website this month kicks off with ...
>
> JAPAN LAUNCHES AMATEUR RADIO SATELLITES On JANUARY 23.
>
> One could be forgiven for thinking Japan had actually launched some amateur radio satellites ... which of course they havn't.
>
> What they have done is launch a 'bunch' of university satellites using AMATEUR RADIO frequencies ... and not even cubesats, to boot.
>
> In my book (and that of the late Commander John Brannegan) there IS a difference between an amateur radio satellite and a university satellite.
>

> Anyone interested in the prior warning of 1994 re: the 'thieving' of amateur radio frequencies is invited to read...
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> Nowadays these assets (frequencies) are being 'sold off' to any and every university wanting to copy what university 'x' did last year. hardly any of these so called AMATEUR SATELLITES are serving any useful purpose to radio amateurs.
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> There are a select few radio amateurs capturing telemetry data serving the UNIVERSITIES but little or no advantage is given to the average radio amateur so IMHO it's a misnomer calling them AMATEUR RADIO SATELLITES.
>
> RS 10, 12, 13 and AO-7 are/were amateur radio satellites, IMHO, the current crop of rice boxes are misnamed by Amsat as amateur radio satellites.
>
> I would call them using amateur radio frequencies.
>
> 73 John. <la2qaa@...>
>

2265. Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-12 08:19:20 UTC
From: Allan Copland
Topic: 2262 Message: 2265

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>
> Hi John
>
> Just ask the AMSAT why they gave some of university sat an OSCAR
> numbers?
>
> Take a look to AMSAT web page you well see all the new sat listed
> there! http://www.amsat.org/amsat-new/satellites/status.php
>
> 'Thieving'!!! IMHO I don't think so John!

Hi Nader,
You are of course, entitled to your opinion, which I don't share.

I believe that many of the University birds carry little or nothing of interest to the amateur satellite community, most being downlink-only data collection platforms for experiments of dubious merit to radio amateurs. I have absolutely nothing against University birds, but I do strongly believe they should not be masquerading as amateur radio satellites, or operating on amateur radio allocations ..... unless they do something of genuine value to the average radio amateur, such as Delfi-C3 which at least carries a transponder.

Thieving... IMHO I do think so!

Kind Regards,
Al.
GM1SXX
P.S. Don't expect a prompt reply from John. he's ill with Influenza.

2266. RE: [eu-amsat] New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-12 08:22:00 UTC
From: John Hackett
Topic: 2262 Message: 2266

Hello Nader,
Everyone is entitled to his/her opinion ... which is PRECISELY !!! why Mak, Al amd I started this reflector ... so that an opinion that *doesn't* follow the "official party line" may be expressed without fear of repercussion,
'flaming' and being hung out to dry by people with a different opinion.

Actually, I believe Mak, being Greek, may know something about democracy.

The Thirteen Commandments of the Amateur Radio Satellite
Builder
1) Thou shalt not criticise the BOD in any way, shape or form.

2) Thou shall adhere rigidly to the party line at all times.

3) Original thoughts are taboo

4) Original ideas are taboo.

5) FM satellites are the dogs bollox, even better than PSK (but see commandments 9&12)

6) Contributors to the cause should gladly take what is dished out to them and never question anything.

7) Criticism of ANY sort is punishable by excommunication, severe flaming or worse.

8) The BOD's decisions are always right for the membership and must never be questioned.

9) PSK is the best satellite mode.... bar none.... but see commandment 5!

10)Scientific methods are used to select projects, payloads and as a means of stifling original thought.

11) Nr 10 is correct unless someone with influence and money has a 'better' idea. Then #10 goes out the window and is replaced by #11

12) CUBESATs really *ARE* 'Amateur Radio satellites"... honest.. scouts honour! Well at least if you join three together they can just about fit the bill.
13) All commandments may be altered at any time by a closed session of the BOD.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Thu, 12 Feb 2009 00:26:56 +0000

Subject: [eu-amsat] New future..... but not Thieving!!!

Hi John

Just ask the AMSAT why they gave some of university sat an OSCAR

numbers?

Take a look to AMSAT web page you well see all the new sat listed

there! http://www.amsat.org/amsat-new/satellites/status.php

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Do you think the new generation well be interesting to RST report?

or they will be looking for more sophisticate technical aspect of our

satellite communication?

In near future the Amateur operator well need a satellite to upload

the last DVD Movie to his friend and download the last version of the

new PC operating system for his laptop via amateur satellites!

IMHO change wll come soon .

73 de

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

>

>

> Hello Al,

> I see the Amsat-NA website this month kicks off with ...

>

> JAPAN LAUNCHES AMATEUR RADIO SATELLITES On JANUARY 23.

>

> One could be forgiven for thinking Japan had actually launched some amateur radio satellites ... which of course they havn't.
>
> What they have done is launch a 'bunch' of university satellites using AMATEUR RADIO frequencies ... and not even cubesats, to boot.
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> <http://www.observations.biz/Satgen/sgen268.txt>
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> Nowadays these assets (frequencies) are being 'sold off' to any and every university wanting to copy what university 'x' did last year. hardly any of these so called AMATEUR SATELLITES are serving any useful purpose to radio amateurs.
>
> There are a select few radio amateurs capturing telemetry data serving the UNIVERSITIES but little or no advantage is given to the average radio amateur so IMHO it's a misnomer calling them AMATEUR RADIO SATELLITES.
>
> RS 10, 12, 13 and AO-7 are/were amateur radio satellites, IMHO, the current crop of rice boxes are misnamed by Amsat as amateur radio satellites.
>

> I would call them using amateur radio frequencies.

>

> 73 John. <la2qaa@...>

>

2267. One for Luc.

Yahoo group: eu-amsat
Date: 2009-02-12 08:50:08 UTC
From: John Hackett
Topic: 2267 Message: 2267

It's interesting to note that my comments re: Amsat's headline of Japanese Amateur satellites, while being CC'd to GM1SXX, EU-Amsat and the Amsat-bb appeared in GM1SXX's mailbox, at EU-Amsat but *NOT* on the Amsat-bb.

It 'could' have been construed as *NOT* following the official party line so I'm hardly surprised. Of course, it *could* have been a computer glitch ... honest, scout's honour ... it could !!! have been, right? ... right!.

Good job I didn't attach the the '13 commandments' otherwise I'd have probably got the verbal equivalent of a MINUTEMAN lobbed in my general direction.

73 John. <la2qaa@...>

2268. Irridium VS Russian sat

Yahoo group: eu-amsat
Date: 2009-02-12 10:58:49 UTC
From: Luc Leblanc
Topic: 2268 Message: 2268

With the chinese sat planned destruction and this recent collision we could be ended with a giant space pool table...

It was not the first occurrence see below probably some where never reported

http://www.spaceref.com/news/viewsr.html?pid=16201
http://www.space.com/businesstechnology/technology/space_traffic_040505.html

Struggling with earth pollution we will soon struggling with space pollution

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2269. Re: Irridium VS Russian sat

Yahoo group: eu-amsat
Date: 2009-02-12 11:23:04 UTC
From: Allan Copland
Topic: 2268 Message: 2269

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> With the chinese sat planned destruction and this recent collision
we could be ended with a giant space pool table...
>
It's certainly not the first satellite/satellite collision. Cerise was
damaged in 1996 when a collision ripped off part of its gravity
gradient boom.
http://en.wikipedia.org/wiki/Cerise_(satellite)

As the number of objects in LEO increases (most of it now junk), the
likelihood of collisions will also increase.

There is also the problem of paint flakes shed from old rocket bodies
and hundreds of thousands of solidified droplets of Sodium/Potassium
coolant at around 900Kms, leaked from from old Russian RORSAT birds,
that Molniya type birds have to fly through.

A head-on hit from a single paint flake can do serious damage to a
spacecraft, and there are a lot of flakes out there. A droplet of
solidified metal is even more of a threat.

I can well remember cosmonaut Helen Sharman showing us the damage that
a single paint flake did to a space station's 'bedroom' window.
The paint was sampled and found to have been shed from a Soyuz rocket
body.

Even the space shuttle suffers regular damage to it's windows and
tiles from small debris particles in (low) LEO.

It doesn't require a collision with a big object to do serious damage.
Something the size of a grain of rice or a garden pea can do very
substantial damage to a satellite.

Regards,
Al.
GM1SXX

2270. Posting 12 messages to ISS in single pass

Yahoo group: eu-amsat
Date: 2009-02-12 15:27:52 UTC
From: st2nh
Topic: 2270 Message: 2270

Hello All

Today 12/02/2009 at 14:40 to 14:50 UTC
I have broken by previous record of posting 9 messages in one
pass to ISS BBS by posting 12 messages to international space
station
BBS , I have sent 12 messages to 11 hams they had a post on ISS

stations are:-

PD0RKC
EB1IAT
LW5DGM
CX1AQN
VE2HAR
EB5AGV
CS1RAD
VK2MAL
HS3LSE
E20YJC (1st message)
E20YJC (2nd message)
DL6SDA

setup
Rig ic-910
ante-homebrew yagi
homebrew soundcard interface
software- UISS

.
here is a copy of the UISS communication window

Welcome to RS0ISS's message board
System Ver 1.50 103554 Bytes free
CMD(F/K/M/R/W/B/H/?)>
w PD0RKC
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>

```
w EB1IAT
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w LW5DGM
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w CX1AQN
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w VE2HAR
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w EB5AGV
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
```

```
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w CS1RAD
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
CMD(F/K/M/R/W/B/H/?)>
w VK2MAL
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w HS3LSE
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w E20YJC
Subject:
hi
Message:
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w E20YJC
Subject:
hi
Message:
```

```
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
Thank you for your message.
CMD(F/K/M/R/W/B/H/?)>
w DL6SDA
Subject:
hi
Welcome to RS0ISS's message board
System Ver 1.50 102352 Bytes free
CMD(F/K/M/R/W/B/H/?)>
w DL6SDA
Subject:
hi
Welcome to RS0ISS's message board
System Ver 1.50 102352 Bytes free
CMD(F/K/M/R/W/B/H/?)>
w DL6SDA
Subject:
hi
Message:
tnx OM for the iss message
pse qsl via ea7ftr
73 de Nader
www.st2nh.com
/ex
------------------
Nader , st2nh
www.st2nh.com
```

2271. Satellites in collision

Yahoo group: eu-amsat
Date: 2009-02-13 06:20:53 UTC
From: Luc Leblanc
Topic: 2271 Message: 2271

Simon says

U.S. STRATCOM routinely tracks about 18,000 objects in space, including satellites and debris, that are 3.9 inches across or larger.
Tracking priority and "conjunction analysis" - identifying which objects may pose a threat to manned spacecraft - is the first priority.

What when wrong here? Does someone was sleeping on the switch?

NO FAULT IN SPACE
Which satellite was at fault, "they ran into each other. Nothing has the right of way up there. We don't have an air traffic controller in
space. There is no universal way of knowing what's coming in your direction."

A steel umbrella is probably the best defense?

For those who want to make their own PC game just put theses TLE in your TLE folder and enjoy the show. try a quarter of second automatic
play speed. On Orbitron it's nice but could be much better on other interface?

cosmos 2251
1 22675U 93036A 09043.64266265 -.00000921 00000-0 -33225-3 0 7457
2 22675 074.0397 013.7085 0024779 155.8477 204.3811 14.32045077817866
IRIDIUM 33 [+]
1 24946U 97051C 09025.57495122 .00000082 00000-0 22294-4 0 4525
2 24946 86.4003 128.0512 0002243 81.8081 278.3370 14.34215375595154

One more flares producer down!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2272. Re: FWD: US ASTRONAUT SANDRA MAGNUS TALKS WITH SCHOOLS IN GREECE

Yahoo group: eu-amsat
Date: 2009-02-14 18:01:20 UTC
From: Bratu Florian Gabriel
Topic: 2261 Message: 2272

excelent recording SX7ISS by SW1JGW
you can see on youtube
http://www.youtube.com/watch?v=WdO7KRTq3zs&feature=channel_page

2273. Re: [eu-amsat] Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-15 21:08:10 UTC
From: Trevor
Topic: 2262 Message: 2273

--- On Thu, 12/2/09, Allan Copland <allan_gm1sxx@...> wrote:
> I believe that many of the University birds carry little or nothing of
> interest to the amateur satellite community, most being downlink-only

Hi Al,

Perhaps I misunderstand you but you appear to be saying that any device that is Transmit Only is not Amateur Radio.

There are hundreds of Terrestrial Transmit Only Beacons that operate in the Amateur 50/144/430/1240 MHz allocations.

What do you consider the difference is between a Terrestrial beacon operating on 432 MHz and a satellite beacon operating on 437 MHz ?

73 Trevor M5AKA

2274. A clarification.

Yahoo group: eu-amsat
Date: 2009-02-15 22:26:12 UTC
From: John Hackett
Topic: 2262 Message: 2274

A CLARIFICATION.

GM1SXX's actual words were ... " I believe many of the university birds carry little or nothing of interest to the amateur satellite community, most being downlink only".

This of course meant that a *LOT* of amateur radio operators (me included) think of an 'amateur' satellite as a satellite carrying a TRANSPONDER for communication - as opposed to a BEACON which, without a transponder, IMHO serves very little useful purpose to the majority of space interested radio amateurs.

Keyword: Majority.

As I mentioned in my original post, The UNIVERSITY students may gain advantages from a beacon's data, I believe a *LOT* of radio amateurs don't.

I also believe that's how the majority of radio amateurs distinguish whether a particular satellite is an AMATEUR satellite or a UNIVERSITY satellite ... whether it carries a transponder or not ... which is why I made the statement that I thought it was wrong that Amsat called the recent Japanese satellites for AMATEUR satellites when IMHO a more appropriate name would have been UNIVERSITY satellite.

There is no hard and fast *RULE* ... it was merely a SUGGESTION on my part to distinguish between something that is useful to *MOST* space interested radio amateurs and (again in my opinion) a select few ... namely those that copy the beacon only satellites and submit that data to the university students.

I believe these amateurs are in the minority.

This is where GM1SXX's - " I believe many of the university birds carry little or nothing of interest to the amateur satellite community - comes in.

It's also my personal opinion and I *AM* entitled to it.

IMPORTANT COMMENT.

The GPS constellation of satellites also carry beacons ... but I think we'd all agree that they shouldn't carry the designation 'AMATEUR' satellite ... in other words, just because a sattelite carries a beacon does *NOT* necessarily make it an amateur satellite ... however, if it carries an amateur built TRANSPONDER like that built by William PE1RAH - I think we'd all agree that it SHOULD be called an AMATEUR satellite.

... if I walks like a duck, looks like a duck and smells like a duck ...it very likely 'QUACK's like a duck too.

Point to ponder.

Commander John Brannegan G4IHJ first made an observation similar to the above - in 1994 ... so the 'designation' is 'NOT* new.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Sun, 15 Feb 2009 21:08:10 +0000
Subject: Re: [eu-amsat] Re: New future..... but not Thieving!!!

--- On Thu, 12/2/09, Allan Copland <allan_gm1sxx@...m> wrote:

> I believe that many of the University birds carry little or nothing of

> interest to the amateur satellite community, most being downlink-only

Hi Al,

Perhaps I misunderstand you but you appear to be saying that any device that is Transmit Only is not Amateur Radio.

There are hundreds of Terrestrial Transmit Only Beacons that operate in the Amateur 50/144/430/1240 MHz allocations.

What do you consider the difference is between a Terrestrial beacon operating on 432 MHz and a satellite beacon operating on 437 MHz ?

73 Trevor M5AKA

2275. Re: [eu-amsat] Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-15 23:36:16 UTC
From: Thomas Frey
Topic: 2262 Message: 2275

Trevor schrieb:
> --- On Thu, 12/2/09, Allan Copland <allan_gm1sxx@...> wrote:
>
>> I believe that many of the University birds carry little or nothing of
>> interest to the amateur satellite community, most being downlink-only
>>
>
> Hi Al,
>
> Perhaps I misunderstand you but you appear to be saying that any device that is Transmit Only is not Amateur Radio.
>
> There are hundreds of Terrestrial Transmit Only Beacons that operate in the Amateur 50/144/430/1240 MHz allocations.
>
> What do you consider the difference is between a Terrestrial beacon operating on 432 MHz and a satellite beacon operating on 437 MHz ?
>
> 73 Trevor M5AKA
>
>

Hi Trevor

This is also an other and fresh view of sight in this discussion ;-)

Apropos: UO-9 was the first University Satellite ever. And how many OSCARS's was built in Universities before the CubeSats came ? The description "Research Satellite" is better I think.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2276. Re: A clarification. Keyword 'Majority'

Yahoo group: eu-amsat
Date: 2009-02-16 10:38:16 UTC
From: Allan Copland
Topic: 2262 Message: 2276

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> A CLARIFICATION.
>
> GM1SXX's actual words were ... " I believe many of the university birds carry little or nothing of interest to the amateur satellite community, most being downlink only".
>
> This of course meant that a *LOT* of amateur radio operators (me included) think of an 'amateur' satellite as a satellite carrying a TRANSPONDER for communication - as opposed to a BEACON which, without a transponder, IMHO serves very little useful purpose to the majority of space interested radio amateurs.
>
> Keyword: Majority.
>

Thanks John,
You saved me some time and effort by clarifying the point I was trying to make. These satellites may serve universities well,in churning out degree students, but they don't do much, if anything, of interest for most licensed radio amateurs. If all that's required is a beacon, why not place all of them on a common beacon frequency. That at least could provide a new facet of interest within the hobby ... even for me. Beacon spotting. Even I'd be interested in that :-)

The truth is rather different though. These birds merely hijack amateur radio satellite allocations to return data free of charge.

Why don't the Universities concerned campaign for a small license-free slot for these birds instead? The Universities probably have more 'clout' than radio amateurs. They have the advantage of structure and funding... so why not? What could they possibly have to lose?

73 Al.
GM1SXX

2277. Re: [eu-amsat] Re: A clarification. Keyword 'Majority'

Yahoo group: eu-amsat
Date: 2009-02-16 12:30:58 UTC
From: Thomas Frey
Topic: 2262 Message: 2277

Allan Copland schrieb:
>
> Thanks John,
> You saved me some time and effort by clarifying the point I was trying
> to make. These satellites may serve universities well,in churning out
> degree students, but they don't do much, if anything, of interest for
> most licensed radio amateurs. If all that's required is a beacon, why
> not place all of them on a common beacon frequency. That at least
> could provide a new facet of interest within the hobby ... even for
> me. Beacon spotting. Even I'd be interested in that :-)
>
> The truth is rather different though. These birds merely hijack
> amateur radio satellite allocations to return data free of charge.
>
> Why don't the Universities concerned campaign for a small license-free
> slot for these birds instead? The Universities probably have more
> 'clout' than radio amateurs. They have the advantage of structure and
> funding... so why not? What could they possibly have to lose?
>
> 73 Al.
> GM1SXX
>
>

Hello Al

I basically agree with you. I make QSO's rather than listening to
beep..beep (I'm not a CW'ist). There are listeners who download decoder
software from internet and take part of the university experiments.
This is an additional part of our satellite hobby. Please accept this
and ignore it if you are not interested. Or give the students your
helping hand. If we always inveigh against the "Student-Sats", then
nothing will change.

Thank You for your understanding.

Ah, there is a satellite beacon band - on 437.nnn MHz.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2278. Re: A clarification.

Yahoo group: eu-amsat
Date: 2009-02-16 15:36:17 UTC
From: st2nh
Topic: 2262 Message: 2278

Hi all

OSCAR 1 was just a Beacon satellite !!!!

No more comment ;-)

73 Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> A CLARIFICATION.
>
> GM1SXX's actual words were ... " I believe many of the university
birds carry little or nothing of interest to the amateur satellite
community, most being downlink only".
>
> This of course meant that a *LOT* of amateur radio operators (me
included) think of an 'amateur' satellite as a satellite carrying a
TRANSPONDER for communication - as opposed to a BEACON which, without
a transponder, IMHO serves very little useful purpose to the majority
of space interested radio amateurs.
>
> Keyword: Majority.
>
> As I mentioned in my original post, The UNIVERSITY students may
gain advantages from a beacon's data, I believe a *LOT* of radio
amateurs don't.
>
> I also believe that's how the majority of radio amateurs
distinguish whether a particular satellite is an AMATEUR satellite or
a UNIVERSITY satellite ... whether it carries a transponder or
not ... which is why I made the statement that I thought it was wrong
that Amsat called the recent Japanese satellites for AMATEUR
satellites when IMHO a more appropriate name would have been
UNIVERSITY satellite.
>
> There is no hard and fast *RULE* ... it was merely a SUGGESTION on
my part to distinguish between something that is useful to *MOST*
space interested radio amateurs and (again in my opinion) a select
few ... namely those that copy the beacon only satellites and submit
that data to the university students.
>
> I believe these amateurs are in the minority.
>

> This is where GM1SXX's - " I believe many of the university birds carry little or nothing of interest to the amateur satellite community - comes in.
>
> It's also my personal opinion and I *AM* entitled to it.
>
> IMPORTANT COMMENT.
>
> The GPS constellation of satellites also carry beacons ... but I think we'd all agree that they shouldn't carry the designation 'AMATEUR' satellite ... in other words, just because a sattelite carries a beacon does *NOT* necessarily make it an amateur satellite ... however, if it carries an amateur built TRANSPONDER like that built by William PE1RAH - I think we'd all agree that it SHOULD be called an AMATEUR satellite.
>
> ... if I walks like a duck, looks like a duck and smells like a duck ...it very likely 'QUACK's like a duck too.
>
> Point to ponder.
>
> Commander John Brannegan G4IHJ first made an observation similar to the above - in 1994 ... so the 'designation' is 'NOT* new.
>
> 73 John. <la2qaa@...>
>
>
>
> To: eu-amsat@yahoogroups.com
> From: m5aka@...
> Date: Sun, 15 Feb 2009 21:08:10 +0000
> Subject: Re: [eu-amsat] Re: New future..... but not Thieving!!!
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>
> --- On Thu, 12/2/09, Allan Copland <allan_gm1sxx@...>
wrote:
>
> > I believe that many of the University birds carry little or
nothing of
>
> > interest to the amateur satellite community, most being downlink-
only
>
>
>
> Hi Al,
>
>
>
> Perhaps I misunderstand you but you appear to be saying that any
device that is Transmit Only is not Amateur Radio.
>
>
>
> There are hundreds of Terrestrial Transmit Only Beacons that
operate in the Amateur 50/144/430/1240 MHz allocations.
>
>
>
> What do you consider the difference is between a Terrestrial beacon
operating on 432 MHz and a satellite beacon operating on 437 MHz ?
>
>
>
> 73 Trevor M5AKA
>

2279. Re: [eu-amsat] Re: A clarification. Keyword 'Majority'

Yahoo group: eu-amsat
Date: 2009-02-16 15:53:43 UTC
From: Luc Leblanc
Topic: 2262 Message: 2279

From AMSAT-EU reflector

> > A CLARIFICATION.
> >
> > GM1SXX's actual words were ... " I believe many of the university
> birds carry little or nothing of interest to the amateur satellite
> community, most being downlink only".
> >
> > This of course meant that a *LOT* of amateur radio operators (me
> included) think of an 'amateur' satellite as a satellite carrying a
> TRANSPONDER for communication - as opposed to a BEACON which, without
> a transponder, IMHO serves very little useful purpose to the majority
> of space interested radio amateurs.
> >

A fact remain they are launching satellite at a rate no AMSAT'S never experienced. Should the AMSAT'S redefined their mission and goals?

I think it will be more and more obvious they will have to start to build closed relationship with them but is the generation gap will
permit it?

http://n4hy.smugmug.com/gallery/1195783_hHmgk#55937486_4JSGj

For those who think amateur radio is an expensive hobby just have a look at this video

http://www.youtube.com/watch?v=l8XJHXzchBg
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2280. The gentle art ...

Yahoo group: eu-amsat
Date: 2009-02-16 19:33:21 UTC
From: John Hackett
Topic: 2280 Message: 2280

Al, Luc,
The pipe clips are an old Royal Signals 'practice' trick.

Another one (to practice 'feel') was to put the key on the floor and manipulate it via a broom handle ... woe betide !!! you if you transmitted a false character.

It invariably !!! resulted in a rap across the knuckles with a steel ruler and having to repeat the letter F ... dit, dit, dah, dit = DID IT HURT YOU? ... (think about it).

Remember, in real life tactical situations we had the key strapped to a thigh and were more often than not ploughing through thick gorse bushes while transmitting.

Great fun.

I note that certain elements are apparently still not 100% happy about people being allowed to have differing opinions as to what constitutes an 'amateur' satellite.

TomAto tomato ... I for one am not losing any sleep over it.

73 John.

From: allan_gm1sxx@...
To: archie.hackett@...; ve2dwe@...
Subject: Even I am impressed
Date: Mon, 16 Feb 2009 16:33:00 +0000

Hi Luc & John (proper biblical order OM :-)

Even I can't fail to be impressed with this morse key system, built around a couple of pipe clips.

http://www.youtube.com/watch?v=l8XJHXzchBg Morse does indeed have a future!

73 Al.
SXX

Windows Live Hotmail just got better. Find out more!

2281. Re: [eu-amsat] The gentle art ...

Yahoo group: eu-amsat
Date: 2009-02-17 05:36:59 UTC
From: Luc Leblanc
Topic: 2280 Message: 2281
Attachments: 1 described; binary payloads are missing from this source WARC

In a digest form.
>
> I note that certain elements are apparently still not 100% happy about people being allowed to have differing opinions as to what constitutes an 'amateur' satellite.
>
> TomAto tomato ... I for one am not losing any sleep over it.
>
It's interesting to note that my comments re: Amsat's headline of Japanese Amateur satellites, while being CC'd to GM1SXX, EU-Amsat and the Amsat-bb appeared in GM1SXX's mailbox, at EU-Amsat but *NOT* on the Amsat-bb.

It 'could' have been construed as *NOT* following the official party line so I'm hardly surprised. Of course, it *could* have been a computer glitch ... honest, scout's honour ... it could !!! have been, right? ... right!.

Good job I didn't attach the the '13 commandments' otherwise I'd have probably got the verbal equivalent of a MINUTEMAN lobbed in my general direction.

73 John. <la2qaa@...>

The generation gap is not always related to age but sometimes to the mind and spirit lets say the real amateur soul. I just mean some sort of communicating.

We can just listen the "Dobacaracol" singing something strange:

http://www.youtube.com/watch?v=4MQQtzZhL0I&feature=related

"were more often than not ploughing through thick gorse bushes while transmitting." I think i found your bushes... I'm just searching the key.

http://www.youtube.com/watch?v=hr3h3JWqr6s&feature=related

Could be she's in the water?

http://www.youtube.com/watch?v=RBfgMPw03Fk&feature=related

Or in the mean time trying to make the dancing girl swinging the reverse way...Can you do it?

Does not some of the AMSAT'S are also dancing in the reverse way but it take's only the power of the brain to have thing's change

See the girl attached!

P.S. Each of us can make this girl change her dance... clockwise or counter-clockwise! How a clock is supposed to be wise and not some BOD
members?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2282. Re: The gentle art ...

Yahoo group: eu-amsat
Date: 2009-02-17 18:00:10 UTC
From: Bratu Florian Gabriel
Topic: 2280 Message: 2282

if you want to see ehere hamradio imagination go take look of this
http://oh6dc.cw.googlepages.com/strangecwkeys

I'm not an experienced in space comunications but i think that cubesat
are unusefull without a transporder for comunications.
So the beacon is ok but not in our radio bands

2283. Re: [eu-amsat] Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-17 21:15:41 UTC
From: Trevor
Topic: 2262 Message: 2283

--- On Sun, 15/2/09, Thomas Frey <th.frey@...> wrote:
> This is also an other and fresh view of sight in this discussion ;-)
> Apropos: UO-9 was the first University Satellite ever. And how many
> OSCARS's was built in Universities before the CubeSats came ? The
> description "Research Satellite" is better I think.

Hi Thomas,

Yes clearly the University CubeSats are used for Self-Training and Technical Investigations but are these not the same aims as the Amateur Radio and Amateur Satellite services ?

What has greatly encouraged me is the number of of University students who have got Amateur Radio licences as a result of their involvement in a CubeSat project.

Recently in London an event was held for those interested in developing CubeSats. The interest from across the United Kingdom was so high that the event was oversubscribed.

This interest is something that Radio Amateurs can turn to their advantage.

Perhaps Amateurs should become more involved with their local universities both in promoting Amateur Radio and in assisting the students with their CubeSat projects (perhaps suggesting and helping the students with the development of a linear transponder would be a good idea).

I feel we need to do everything possible to encourage university students to get involved with Amateur Radio.

Now please correct me if I am wrong but I believe that only one member of AMSAT-DL team actively involved in building future satellites is under 40 years old.

I would hazard a guess that world-wide most of those involved in building what some would consider as true "Amateur Satellites" are close to, or over, retirement age. I think we need to encourage a new generation to get involved with the development of future Amateur Satellites.

UK CubeSat Research Network Launch Event
http://www.southgatearc.org/news/november2008/cubesat_research_network.htm

BBC interviews UK Cubesat builders
http://www.southgatearc.org/news/january2009/bbc_interviews_cubesat_builders.htm

73 Trevor M5AKA

2284. When he's right, he's right !!!.

Yahoo group: eu-amsat
Date: 2009-02-18 07:53:57 UTC
From: John Hackett
Topic: 2284 Message: 2284

Trevor said ...

>I would hazard a guess that world-wide most of those involved in
building what
some would consider as true "Amateur Satellites" are
close to, or over, retirement
age. I think we need to encourage a new
generation to get involved with the development of future Amateur
Satellites.

LA2QAA said ...

Now even 'I' would climb down off my high horse to agree with that.

73 John. <la2qaa@...>

2285. New Amateur Digital-Satellite from India !

Yahoo group: eu-amsat
Date: 2009-02-18 08:56:51 UTC
From: SV1BSX
Topic: 2285 Message: 2285

Dual Payload RISAT + ANUSAT set for late March !

ANUSAT carries a digital store and forward payload for amateur communication.

http://www.satnews.com/cgi-bin/story.cgi?number=56283623

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2286. Re: [eu-amsat] Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-18 10:58:50 UTC
From: Thomas Frey
Topic: 2262 Message: 2286

Trevor schrieb:
> --- On Sun, 15/2/09, Thomas Frey <th.frey@...> wrote:
>
>> This is also an other and fresh view of sight in this discussion ;-)
>> Apropos: UO-9 was the first University Satellite ever. And how many
>> OSCARS's was built in Universities before the CubeSats came ? The
>> description "Research Satellite" is better I think.
>>
>
> Hi Thomas,
>
> Yes clearly the University CubeSats are used for Self-Training and Technical Investigations but are these not the same aims as the Amateur Radio and Amateur Satellite services ?
>
> What has greatly encouraged me is the number of of University students who have got Amateur Radio licences as a result of their involvement in a CubeSat project.
>
> Recently in London an event was held for those interested in developing CubeSats. The interest from across the United Kingdom was so high that the event was oversubscribed.
>
> This interest is something that Radio Amateurs can turn to their advantage.
>
> Perhaps Amateurs should become more involved with their local universities both in promoting Amateur Radio and in assisting the students with their CubeSat projects (perhaps suggesting and helping the students with the development of a linear transponder would be a good idea).
>
> I feel we need to do everything possible to encourage university students to get involved with Amateur Radio.
>
> Now please correct me if I am wrong but I believe that only one member of AMSAT-DL team actively involved in building future satellites is under 40 years old.
>
> I would hazard a guess that world-wide most of those involved in building what some would consider as true "Amateur Satellites" are close to, or over, retirement age. I think we need to encourage a new generation to get involved with the development of future Amateur Satellites.
>
> UK CubeSat Research Network Launch Event
> http://www.southgatearc.org/news/november2008/cubesat_research_network.htm
>
> BBC interviews UK Cubesat builders
> http://www.southgatearc.org/news/january2009/bbc_interviews_cubesat_builders.htm
>

> 73 Trevor M5AKA
>
>
>

Fully agreed Dear Trevor. There are some OM's out there who can not accept this CubeSats. OK, there are a few Cubes with a "gray mission" which has no relation to amateur radio. But to put all CubeSats generally in the same hole is shortsighted. I can repeat my words again and again. It needs much more support from amateurs to this students. Only then we have a feedback in new licensed colleages and eventually a linear transponder in a Cube. But this is a technical question, DO-64 was shut off. It also needs an open mind from this students for amateur radio. It needs both sides for a handshake.

To AMSAT-DL: Its possible that one or two in the team are less than 40 years old. But the age is nonrelevant. I'm 50 but I have the mind of a ... Ok :-) It has tradition in AMSAT-DL, that he has a few hard core members who plan and build satellites. But now the financing of a launch is the big problem and not the age of the members. See www.amsat-dl.org. We need a very rich member, a russian oligarch or a saudian oil prince. Let's hope.

Mit freundlichen Grüssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2287. Re: New future..... but not Thieving!!!

Yahoo group: eu-amsat
Date: 2009-02-18 17:18:24 UTC
From: st2nh
Topic: 2262 Message: 2287

Great news Trevor thanks

Here is a new satellite from a educational institution from India
a project of Anna University at Chennai and the satellite is ANUSAT

http://www.spacemart.com/reports/ISRO_To_Launch_A_Breakthrough_Satell
ite_999.html

ANUSAT mission's main objective is to involve universities in
building micro satellites as a means to promote and encourage intra-
disciplinary technologies with ISRO's help.

ANUSAT carries a digital store and forward payload for AMATEUR
communication.

.....

> What has greatly encouraged me is the number of of University
>students who have got Amateur Radio licences as a result of their
>involvement in a CubeSat project.
>
> Recently in London an event was held for those interested in
>developing CubeSats. The interest from across the United Kingdom
>was
>so high that the event was oversubscribed.
>
> This interest is something that Radio Amateurs can turn to their
>advantage.

> 73 Trevor M5AKA

.....

73's Nader st2nh
www.st2nh.com

2288. Global Education Network For Satellite Operation (GENSO)

Yahoo group: eu-amsat
Date: 2009-02-18 22:22:53 UTC
From: st2nh
Topic: 2288 Message: 2288

HI

GENSO is a project initiated under the auspices of the International Space Education Board (ISEB). This board consists of the Education Departments of the Canadian Space Agency (CSA), CNES (Centre National d'Etudes Spatiales) , the European Space Agency (ESA), the Japan Aerospace Exploration Agency (JAXA) and the National Aeronatics and Space Administration (NASA).

The project is managed by the Education Projects Division of ESA.

GENSO aims to increase the return from educational space missions by forming a worldwide network of ground stations and spacecraft which can interact via a software standard. This will fundamentally change the way that these missions are managed, dramatically increasing the level of access to orbital educational spacecraft.

Educational space missions are often hampered by the relatively small communication windows offered by their typically low orbits and local ground stations.

GENSO is a software standard which allows each ground station on the network to communicate with non-local spacecraft and share data with the spacecraft controllers via the internet. This will allow for a near global coverage in communication for every educational satellite launched, greatly increasing the return from educational space missions and the opportunities for sending commands to the spacecraft.

The design and implementation work is being carried out by a distributed set of student and radio amateur teams worldwide and with over 80 educational spacecraft currently planned there is a very large demand for such a project.

AN OLD CALL FROM GENSO TO AMATEUR

Today a brand new call, in which the ESA Education Office lists opportunities for students and radio amateurs to join GENSO, was opened and released to the public through the ESA Education Office Website .

The call is open to students and amateur radio enthusiasts from any country, although preference will be given to students from the member countries of the ISEB Agencies, in particular if their participation is supported by their universities.

Deadline is 12 December 2008!
---

73 de Nader , st2nh
www.st2nh.com

2289. Re: [amsat-bb] Re: Disappointed

Yahoo group: eu-amsat
Date: 2009-02-18 22:30:49 UTC
From: Luc Leblanc
Topic: 2289 Message: 2289

Another one bites the dust...as the AMSAT-NA censor in chief feel bad actually...probably he recongiized himself in this short tale tell
story

> >
> :-[Andrew,
> I am surprised you are disappointed at the satellite users failing to
> use a satellite as requested. One only has to listen to
> AO-51 during a normal pass. Several of my friends have tried to contact
> me using non perfect antennas, low power and
> they have given up because of the users (more power than a reading lamp)
> that are on almost every pass not allowing
> others to communicate. Give a listen and let others try this
> fascinating mode of ops and add to the satellite users group.
> Now let's get back to the HEO mode of thinking for future ops and
> relinquish 10 minute pass jams to the past.
> Good luck.
> 73,
> Dee
> NB2F
> NJ AMSAT Co-ordinator
>
A part of the problem is AO-51 that you can compare to a senior citizen touring charter bus who stopped at a restaurant without any
reservation. You are queued in line and suddenly the crowd debarks pushing and rushing up to a point that you have to ask them to stopped
pushing as it was their last lunch before they died.

The restaurant lobby is AO-51 not permitting a lot of traffic and the satellite users are the senior citizen running to have the first
seated place available. Even if the tour guide is yelling like a mad cow to the crowd asking them to stop pushing it has a very little
effect as the pack is still compact and still pushing.

But what happen if our satellite users are also senior folks? double trouble but they are the exception and probably the same very one who
are stuck on each and every pass. Don't throw too much rock at them as you will also be senior soon too...

Bottom line FO-29 is still empty on many evening pass!!! Why the bus driver and the tour guide does not split the bus load in 2 or 3
restaurants? exactly what we experience with our very limited fleet.

P.S.This is a fiction, any resemblance with a real person would be only pure hazzard effect.:)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2290. New UISS version 5.2.5

Yahoo group: eu-amsat
Date: 2009-02-21 18:28:31 UTC
From: st2nh
Topic: 2290 Message: 2290

```
UISS Version 5.2.5:
-------------
http://users.belgacom.net/hamradio/uissdownload.htm

·New: Text color of messages addressed to you can be defined

·New: In Connection Window:
-Make/Edit/Delete Pre-defined Selection List:
Select a pre-defined text-file from the selection
list which can/may contain unlimited number of
pre-defined text files.
- Open files by default in the CSaves folder
·New: Open MHeard files (in "View MHeard details" and
in right-click MHeard list)

·New: Open any log file (right-click Autolog label in the
Monitor console and also found in Options-menu 'Autolog')

·New: Open any messages files in the Messenger

·Profiles selection shows date of creation, last accessed
and last written time and dates

·The name of the last selected (or active) profile (if any) is shown
in the File-menu and in Console Statistics (works after at least one
profiled has been opened in v5.2.5)

·Rare occurrence of error nr 9 in LAN fixed

·And other minor changes

73's
Guy ON6MU
...............................
sourse http://groups.yahoo.com/group/UISS_ON6MU/

----------------------------------------------------------------------
-----------------------------
Thanks Guy for the new upgrate UISS version
Great work Guy

pse joint UISS yahoo group and support UISS .

73 de Nader st2nh
www.st2nh.com
```

2291. The whole story.

Yahoo group: eu-amsat
Date: 2009-02-22 19:57:08 UTC
From: John Hackett
Topic: 2291 Message: 2291

Full marks to the Amsat News Service for informing us of the new linear transponder from Amsat India ... but I do wish they'd have published the full story and mentioned that there is no launch planned or envisaged for this 'satellite' ... in fact, Amsat India is soliciting 'opinions' as to what kind of orbit and mode this satellite ought to be placed in.

In other words ... I wish they'd have checked the full story before printing things like 'new linear transponder' - (ie - giving the impression that a linear transponder launch was imminent).

This satellite should *NOT* be confused with the store and forward cubesat that *IS* to be launched by ISRO.

If the above information is incorrect in any way I would appreciate being corrected.

IMHO 'wishful thinking' is *NOT* going to get us a linear satellite launched ... and before the negative comments start, there *ARE* quite a few people who would like to see another LINEAR satellite launched ... and no !!!, I don't have all the answers as to how it is to be acheaved ... so please don't shoot the messenger.

For those interested, Amsat India is referring to the 'new' satellite as Hamsat II

Details at <http://www.amsatindia.org/Newsletter/> (February)

73 John. <la2qaa@...>

2292. Re: The whole story.

Yahoo group: eu-amsat
Date: 2009-02-22 20:29:37 UTC
From: st2nh
Topic: 2291 Message: 2292

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:

> This satellite should *NOT* be confused with the store and forward
cubesat that *IS* to be launched by ISRO.
>
> If the above information is incorrect in any way I would appreciate
being corrected.
>

>
> 73 John. <la2qaa@...>
>

Hi John

The store and forward sat is not a cube sat !
it is a UNIVERSITY Micro-satellite `ANUSAT'

here is the specifcations

Micro satellite Main Frame Specifications
1. Size : 600mm x 600mm x 600mm cuboid
2. Mass : < 50 Kgs
3. Solar Array : Body mounted Silicon solar cells generating 33 Watts
of
Average power
4. Battery : Lithium-Ion, (4 x 4) 16 cell battery ; 6 AH capacity
5. Bus Voltage : 13V to 16V
6. Telecommand : VHF (PCM/FSK/AM); 100 bits/sec, 149.2 MHz.
7. Telemetry : VHF(PCM/FSK/AM); 256 bits/sec., 137.4 MHz,
8. Stablization : Spin stablized with spin axis orientation towards
orbit normal
9. Spin rate : 4+ 0.5 r.p.m. (automatic SRC)
10.Spin Axis
Orientation : + 30 (Autonomous SAOC)
11.Sun Sensor : +75 degree range with 0.5 degree resolution
for sun aspect angle
12.Magnetometer : + 45,000 gamma with 500 gamma resolution
13. Torquers : 4.5 Am2 each (Two Nos.)

more info

http://beswaminathan.googlepages.com/Anusat.pdf

very best 73's
Nader , st2nh

www.st2nh.com

2293. Re: [eu-amsat] Re: The whole story.

Yahoo group: eu-amsat
Date: 2009-02-22 21:36:20 UTC
From: SV1BSX
Topic: 2291 Message: 2293

Hi John, Nader & all,

I agree with Nader, we talking about different Sats. The next launch is the ANUSAT, which carrying a digital payload.

The Linear Transponder that is mentioned on Amsat-India Newsletter, it's already made by the Amsat-India for the future HamSat-II, however the rest Satellite is just on "papers".
Amsat-India encourage the WW satellite-operators to send opinions about the desired payload of the future HamSat-II to the following Email:

info@...

Personally, I would like the new HamSat-II to be much HIGHER than Hamsat-I, without a perfect eccentricity (see FO-20 & 29). Thus, with a perigee of about 700 Km and an apogee around 1350 Km, it should be good enough and probably the HamSat-II could be a perfect successor of FO-29, which is very old.
Of course, if the orbit is much higher is greatly appreciated (even if I know that is not easy !).

The Satellites with orbits around 650 Km are welcome and, we are always greatfull to Amsat-India about these "gifts", however these orbits have serious limitations like small-passes, very sharp Doppler and the most important: no good opportunities for DX-QSOs.

Definitely we need something in a higher orbit (like AO-7 or FO-20) in order to keep our hobby interesting.

IMHO, anything lower than FO-29 is very... bore to involve with that.

73, Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, February 22, 2009 10:29 PM
Subject: [eu-amsat] Re: The whole story.

> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
> wrote:
>
>> This satellite should *NOT* be confused with the store and forward
> cubesat that *IS* to be launched by ISRO.
>>
>> If the above information is incorrect in any way I would appreciate
> being corrected.
>>
>
>>
>> 73 John. <la2qaa@...>
>>
>
>
> Hi John
>
> The store and forward sat is not a cube sat !
> it is a UNIVERSITY Micro-satellite `ANUSAT'
>
> here is the specifcations
>
> Micro satellite Main Frame Specifications
> 1. Size : 600mm x 600mm x 600mm cuboid
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> of
> Average power
> 4. Battery : Lithium-Ion, (4 x 4) 16 cell battery ; 6 AH capacity
> 5. Bus Voltage : 13V to 16V
> 6. Telecommand : VHF (PCM/FSK/AM); 100 bits/sec, 149.2 MHz.
> 7. Telemetry : VHF(PCM/FSK/AM); 256 bits/sec., 137.4 MHz,
> 8. Stablization : Spin stablized with spin axis orientation towards
> orbit normal
> 9. Spin rate : 4+ 0.5 r.p.m. (automatic SRC)
> 10.Spin Axis
> Orientation : + 30 (Autonomous SAOC)
> 11.Sun Sensor : +75 degree range with 0.5 degree resolution
> for sun aspect angle
> 12.Magnetometer : + 45,000 gamma with 500 gamma resolution
> 13. Torquers : 4.5 Am2 each (Two Nos.)
>
> more info
>
> http://beswaminathan.googlepages.com/Anusat.pdf
>
> very best 73's
> Nader , st2nh
> www.st2nh.com
>
>

>
> ---
>
> Yahoo! Groups Links
>
>
>

2294. Re: [eu-amsat] The whole story.

Yahoo group: eu-amsat
Date: 2009-02-23 00:25:12 UTC
From: Thomas Frey
Topic: 2291 Message: 2294

John Hackett schrieb:
> Full marks to the Amsat News Service for informing us of the new linear
> transponder from Amsat India ... but I do wish they'd have published
> the full story and mentioned that there is no launch planned or
> envisaged for this 'satellite' ... in fact, Amsat India is soliciting
> 'opinions' as to what kind of orbit and mode this satellite ought to
> be placed in.
>
> In other words ... I wish they'd have checked the full story before
> printing things like
> 'new linear transponder' - (ie - giving the impression that a linear
> transponder launch was imminent).

Hello John

Yes, this impression can arise. Thru the generosity from ISRO we have VO-52. They built the satellite and spent it to AMSAT-India. AMSAT-India had only to build the transponder like William Leijenaar, PE1RAH. See http://www.qsl.net/pe1rah/HAMSAT-info.htm. William has also built a new lineartransponder: http://www.qsl.net/pe1rah/LE002.htm.

And there was an Italian OM who also built a lineartransponder for HAMSAT, but this one was not accepted. I forgot his name and call.

I write OSCAR-News in German for 22 years now. I'm confident that "they" have never checked the full story. What I miss is a actual status about AMSAT-Eagle.

>
> This satellite should *NOT* be confused with the store and forward
> cubesat that *IS* to be launched by ISRO.

Do you mean the microsat Anusat ? I did a little recherche and asked in the VUSAT group. I get an answer from Rahul, VU3WJM: "I was there at Anna University conducting a workshop. Unfortunately could not verify the ststus of these Micro sat." Hmmm... I'm sceptic what they mean with "amateur communication". What kind of amateur ? Again students ?

I'm not a fan of the AMSAT-NA writers, but a blind chicken can also find a corn. (Its a German adage)

>
> If the above information is incorrect in any way I would appreciate
> being corrected.
>
> IMHO 'wishful thinking' is *NOT* going to get us a linear satellite
> launched ... and before the negative comments start, there *ARE* quite

> a few people who would
> like to see another LINEAR satellite launched ... and no !!!, I don't
> have all the answers as to how it is to be acheaved ... so please
> don't shoot the messenger.

After the crash of AO-40 or earlier AO-10 we all have a great "black hole".
To fill it with LEO's is not satisfiable by all. So it's not wondering,
that such a wishful thinking exists. I understand you and don't shoot
you. :-)

>
> For those interested, Amsat India is referring to the 'new' satellite
> as Hamsat II

Does ISRO spend a new satellite structure and launch ? Wishful thinking ?

>
> Details at <http://www.amsatindia.org/Newsletter/> (February)
>
> 73 John. <la2qaa@...>

--

Mit freundlichen Gr?ssen, Greetings, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2295. RE: [eu-amsat] Re: The whole story.

Yahoo group: eu-amsat
Date: 2009-02-23 07:58:51 UTC
From: John Hackett
Topic: 2291 Message: 2295

To all concerned,
If I have inadvertantly made an error in the designation of any particular satellite, I apologise to all concerned ...

or ...

Once as thick as two short planks - always !!! just a 2 x 4.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sun, 22 Feb 2009 20:29:37 +0000
Subject: [eu-amsat] Re: The whole story.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

> This satellite should *NOT* be confused with the store and forward

cubesat that *IS* to be launched by ISRO.

>

> If the above information is incorrect in any way I would appreciate

being corrected.

>

>

> 73 John. <la2qaa@...>

>

Hi John

The store and forward sat is not a cube sat !

it is a UNIVERSITY Micro-satellite `ANUSAT'

here is the specifcations

Micro satellite Main Frame Specifications

1. Size : 600mm x 600mm x 600mm cuboid

2. Mass : < 50 Kgs

3. Solar Array : Body mounted Silicon solar cells generating 33 Watts

of

Average power

4. Battery : Lithium-Ion, (4 x 4) 16 cell battery ; 6 AH capacity

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6. Telecommand : VHF (PCM/FSK/AM); 100 bits/sec, 149.2 MHz.

7. Telemetry : VHF(PCM/FSK/AM); 256 bits/sec., 137.4 MHz,

8. Stablization : Spin stablized with spin axis orientation towards

orbit normal

9. Spin rate : 4+ 0.5 r.p.m. (automatic SRC)

10.Spin Axis

Orientation : + 30 (Autonomous SAOC)

11.Sun Sensor : +75 degree range with 0.5 degree resolution

for sun aspect angle

12.Magnetometer : + 45,000 gamma with 500 gamma resolution

13. Torquers : 4.5 Am2 each (Two Nos.)

more info

http://beswaminathan.googlepages.com/Anusat.pdf

very best 73's

Nader , st2nh

www.st2nh.com

2296. Re: The whole story.

Yahoo group: eu-amsat
Date: 2009-02-23 08:40:34 UTC
From: Allan Copland
Topic: 2291 Message: 2296

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi John, Nader & all,

<snip>
> Personally, I would like the new HamSat-II to be much HIGHER than Hamsat-I, without a perfect eccentricity (see FO-20 & 29). Thus, with a perigee of about 700 Km and an apogee around 1350 Km, it should be good enough and probably the HamSat-II could be a perfect successor of FO-29, which is very old.
> Of course, if the orbit is much higher is greatly appreciated (even if I know that is not easy !).

I agree that higher orbits are more generally useful, but have you considered that 1350*700 (or any orbit that intersects to the 900Kms region) would take the craft through the increasingly trash-filled 'graveyard orbit' (around 900 Kms) twice per revolution. See message 2269.
Also you have to think of the radiation dose it would incur. There are many factors to consider, not least the basic issue of what altitude, eccentricity etc, you can find a launch to.
We rarely get much choice (if any) in the matter, except with Molniya's that carry their own propulsion system.

73 Al.
GM1SXX

2297. Anusat with HAM payload ?

Yahoo group: eu-amsat
Date: 2009-02-23 13:57:02 UTC
From: Thomas Frey
Topic: 2297 Message: 2297

Hello All

I have read carefully the Anusat.pdf document which I downloaded here:
http://beswaminathan.googlepages.com/Anusat.pdf

On page 4 at bottom I/you can read:
"The satellite carries aboard a store and forward payload operating in Amature [Amateur] (digital) mode with VHF uplink and UHF down link operating in amature [amateur] frequency bands. It provides digital communication facilities between a number of universities/colleges and amature [amateur] satellite radio operators."

As you can also see on the same page this "store and forward payload" with amateur radio frequencies is the Primary Payload ! Curious for a scientific University satellite. Its also curious that no informations are available about this payload. No frequencies (VHF up/UHF down), no modulation (AFSK, FSK, baud rate ?) and no communication protocol (AX.25 ?). Only the telecommand and telemetry frequencies from the second payload (!) are known.

I disbelieve that this is an amateur radio satellite with a Packet Radio BBS. I think its like a well known "CubeSat" mission in a microsat frame.

More and better infos are very appreciated !

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2298. K5D QSOs

Yahoo group: eu-amsat
Date: 2009-02-24 13:35:42 UTC
From: SV1BSX
Topic: 2298 Message: 2298

Hi all

for those that are interested about DX-Sat & DXCC entities, Drew KO4MA managed the first satellite QSO with
Desesheo DX-pedition (K5D) ! Well done Drew !

See at the bottom of the following page:

http://69.89.25.185/~trexsoft/t-rexsoftware.com/desecheo/feb20.htm

Of course, that is not possible for the most Europeans, as the distance of K5D and i.e. Athens is
approx. 8850 Km (FK68GJ <> KM17UW).
However, the West Europe is possible to manage a few QSOs with Desesheo via AO-7. For example, the JN01
Grid is much closer, just about ..... 6950 Km from Desesheo and I believe that it's absolutely manageable
distance for a similar QSO with the appropriate antennas.

It would be nice to hear the K5D in a few QSOs with Europeans through the "Old Lady".

Just keep in mind !

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2299. GMSK FAQ

Yahoo group: eu-amsat
Date: 2009-02-24 20:59:53 UTC
From: st2nh
Topic: 2299 Message: 2299

Subject: [amsat-bb] GMSK: Time for a stupid question :-)
From: "Henk, PA3GUO"
Date: Sun, 22 Feb 2009 22:44:41 +0100 (CET)

While trying to work Cute-II, I started to think about GMSK ...
(I have a PK96 external TNC hooked-up)

My beautifull TS2000 has FM/AM/USB/LSB/CW modes.

For GMSK, do I use FM or FSK ?

Please only a gentle smile, I realize I do look silly asking this :-)
Henk

Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
From: "Colin Hurst"
Date: Mon, 23 Feb 2009 17:24:54 +1030

Henk,
AO-51 runs 9600 GMSK.
Most people receive AO-51's GMSK digital on PSK Decoders.
The early UoSats and their subsequent derivatives ran PSK.
Understandably there is a slight degradation in performance copying
GMSK on PSK decoders.

Connecting an oscilloscope to your TNC will identify the difference
between GMSK and PSK.
Put the TNC in test mode to verify the PSK waveform.
Use AO-51 to compare one against the other.

The TNC3S has a GMSK selector, but I cannot remember whether it was
for RX, TX or both.
Its some time since I had the covers of or perused the manual.

So your PK6 should work "OK" on GMSK.
73,
Colin VK5HI.

Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
From: "Howard Long"
Date: Mon, 23 Feb 2009 10:00:40 -0000

Hi Henk

FM. FSK is for (relatively) narrow band RTTY type modes that
traditionally you'd have your radio set to USB or LSB.
Your TNC modem will expect the signal to have gone through a
limiter/discriminator, so you need the TS-2000's FM mode.

GMSK is FSK, but with two particular features.

Firstly the modulation index for GMSK is always 0.5, with state
changes occurring at zero crossings and phase continuity maintained.
Secondly, after the scrambler, the 1's and 0's go through a Gaussian
filter and that's what modulates the FM carrier: the -3dB point of
that Gaussian filter is determined by the BT.

The primary benefit of GMSK is that it reduces adjacent channel
interference at the expense of intersymbol interference.
I doubt that's the reason it was chosen for this mission though,
much more klikely it was because you can buy chips off the shelf
to do GMSK.

There's quite a good intro to GMSK here,
http://sss-mag.com/pdf/gmsk_tut.pdf

So yes, you should be able to demodulate GMSK with a standard
9k6 G3RUH modem although theoretically it might not be optimal.

73, Howard G6LVB

Tnx OM FB.

sourse AMSAT BB via JE9PEL's website

73 de Nader st2nh
www.st2nh.com

2300. Re: [eu-amsat] GMSK FAQ

Yahoo group: eu-amsat
Date: 2009-02-24 23:05:37 UTC
From: Thomas Frey
Topic: 2299 Message: 2300

st2nh schrieb:
> [snip]
>
> Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
> From: "Colin Hurst"
> Date: Mon, 23 Feb 2009 17:24:54 +1030
>
> Henk,
> AO-51 runs 9600 GMSK.
> Most people receive AO-51's GMSK digital on PSK Decoders.
> The early UoSats and their subsequent derivatives ran PSK.
>

I'm confused about Colins statements! UO-14, UO-22 and the PacSats with 9600 bps Packet Radio downlink ran definitly FSK (Frequency Shift Keying) and not PSK (Phase Shift Keying). I decoded them all thru GO-32 with G3RUH's modem and a PK-232.

Does AO-51 really transmits in GMSK ?? I thought also in FSK.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2301. Re: [eu-amsat] K5D QSOs

Yahoo group: eu-amsat
Date: 2009-02-24 23:35:13 UTC
From: SV1BSX
Topic: 2298 Message: 2301
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Aldert,

and nice to "hear" you again after a long time !

Well, probably you are right, just now I was looking on BB and they have
there several messages about that.
Just the SO-50 mentioned... too sad.

About your epilogue, the "Old Lady" is excellent Satellite - you know that
as well .
I believe that you don't need something like "extreme" Antennas. A mere
example is our friend Mika, OH8MBN.

You could not believe it how simple antennas he using (see the attach. foto
!!).....
and he has managed dozens of overseas QSOs with .... VE & USA !

So, the location is very important - not the antennas. Have you a "clear
horizon" (@ 0 degrees Elevation) to this direction? Try it. If no, just
forget it my friend.

As they used to say:
"You can not reach the stone across the pond - if you are blind".

73, Mak SV1BSX

----- Original Message -----
From: <akwak@...>
To: "SV1BSX" <sv1bsx@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Tuesday, February 24, 2009 6:53 PM
Subject: Re: [eu-amsat] K5D QSOs

> Hi Mak,
>
> Given the fact that they are working with a handheld and arrow antenna, I
> presume that AO-7 is not an option for K5D. They probably only work the FM
> birds, and therefor none or at least only a selective few will have the
> opportunity to work K5D. Also looking at the antenna setup, I can't find a
> decent antenna setup for 2m and 70cm. My conclusion is that K5D is not an
> option for Europe.
>
> Aldert
> PH7PCF
>
>

> ---- SV1BSX <sv1bsx@...> schreef:
>> Hi all
>>
>> for those that are interested about DX-Sat & DXCC entities, Drew KO4MA
>> managed the first satellite QSO with
>> Desesheo DX-pedition (K5D) ! Well done Drew !
>>
>> See at the bottom of the following page:
>>
>> http://69.89.25.185/~trexsoft/t-rexsoftware.com/desecheo/feb20.htm
>>
>>
>> Of course, that is not possible for the most Europeans, as the distance
>> of K5D and i.e. Athens is
>> approx. 8850 Km (FK68GJ <> KM17UW).
>> However, the West Europe is possible to manage a few QSOs with Desesheo
>> via AO-7. For example, the JN01
>> Grid is much closer, just about ..... 6950 Km from Desesheo and I
>> believe that it's absolutely manageable
>> distance for a similar QSO with the appropriate antennas.
>>
>> It would be nice to hear the K5D in a few QSOs with Europeans through
>> the "Old Lady".
>>
>> Just keep in mind !
>>
>>
>> 73 de Mak, SV1BSX
>>
>>
>>
>>
>>
>> Email: sv1bsx "AT" yahoo .gr
>> URL : http://sv1bsx.50webs.com
>

2302. Re: GMSK FAQ

Yahoo group: eu-amsat
Date: 2009-02-24 23:43:35 UTC
From: st2nh
Topic: 2299 Message: 2302

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh schrieb:
> > [snip]
> >
> > Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
> > From: "Colin Hurst"
> > Date: Mon, 23 Feb 2009 17:24:54 +1030
> >
> > Henk,
> > AO-51 runs 9600 GMSK.
> > Most people receive AO-51's GMSK digital on PSK Decoders.
> > The early UoSats and their subsequent derivatives ran PSK.
> >
>
> I'm confused about Colins statements! UO-14, UO-22 and the PacSats
> with 9600 bps Packet Radio downlink ran definitly FSK (Frequency
> Shift Keying) and not PSK (Phase Shift Keying). I decoded them all
> thru GO-32 with G3RUH's modem and a PK-232.
>
> Does AO-51 really transmits in GMSK ?? I thought also in FSK.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2303. Re: GMSK FAQ

Yahoo group: eu-amsat
Date: 2009-02-24 23:57:07 UTC
From: st2nh
Topic: 2299 Message: 2303

Hi Thomas

sri the brevious post with error ??
Here is another try

I agree with you about the modulation use by AO-51 .Yes It's FSK.
Again je9pel's website shows agood list of many sat modulation
http://www.ne.jp/asahi/hamradio/je9pel/satslist.htm
73 de st2nh

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh schrieb:
> > [snip]
> >
> > Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
> > From: "Colin Hurst"
> > Date: Mon, 23 Feb 2009 17:24:54 +1030
> >
> > Henk,
> > AO-51 runs 9600 GMSK.
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> with 9600 bps Packet Radio downlink ran definitly FSK (Frequency
> Shift Keying) and not PSK (Phase Shift Keying). I decoded them all
> thru GO-32 with G3RUH's modem and a PK-232.
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> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2304. Re: [eu-amsat] Re: GMSK FAQ

Yahoo group: eu-amsat
Date: 2009-02-25 00:25:39 UTC
From: Thomas Frey
Topic: 2299 Message: 2304

st2nh schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> st2nh schrieb:
>>
>>> [snip]
>>>
>>> Subject: [amsat-bb] Re: GMSK: Time for a stupid question :-)
>>> From: "Colin Hurst"
>>> Date: Mon, 23 Feb 2009 17:24:54 +1030
>>>
>>> Henk,
>>> AO-51 runs 9600 GMSK.
>>> Most people receive AO-51's GMSK digital on PSK Decoders.
>>> The early UoSats and their subsequent derivatives ran PSK.
>>>
>>>
>> I'm confused about Colins statements! UO-14, UO-22 and the PacSats
>> with 9600 bps Packet Radio downlink ran definitly FSK (Frequency
>> Shift Keying) and not PSK (Phase Shift Keying). I decoded them all
>> thru GO-32 with G3RUH's modem and a PK-232.
>>
>> Does AO-51 really transmits in GMSK ?? I thought also in FSK.
>>
>>
>>
>>

Yes Nader, what do you mean ?

Above I meant definitive, not definitly. I know, Colin is a honor
Gentleman and if I remember me right, he was a control operator
of AO-10, AO-13 and AO-40. So I'm surprised about his statements.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2305. AO-7 on an Arrow ... indoors !!! ... with 2 watts.

Yahoo group: eu-amsat
Date: 2009-02-25 09:59:14 UTC
From: John Hackett
Topic: 2305 Message: 2305

Mak, Aldert,
Have a look at ...

<http://www.observations.biz/Observations_from_Norway/Observations_04_01_2009.htm>

I'm now using an Arrow aerial on AO-7 ... INDOORS !!!! ... from a groundfloor flat ... with the *GIANT* power of 2 watts.

Yessssssss CW ... but that's 'COMMUNICATION' (!).

Only certain clowns from the other side of the pond put *STUPID* (and incorrect) remarks on the Amsat-bb that you need 'at least' (a K4's words) an 80w BRICK amp and a 10 element beam to work AO-7 ... mind you, the difference between him and I is probably that I use my ears !!!!.

IMHO the "FM mentality" really doesn't help satellite communications ... the 'mine's bigger than yours' !!!!!, is teaching all the wrong things to the potential newcomer.

MORE POWER !!! EGON ... MORE !!!!! POWER ... MORE POWER !!!!

(From the 1936 Frankenstein movie).

'Tis vain to do with more that which can be done with less'.

(William of Occam. 12th century).

73 John. <la2qaa@...>

2306. Get well soon OM

Yahoo group: eu-amsat
Date: 2009-02-26 20:44:58 UTC
From: st2nh
Topic: 2306 Message: 2306

HI ALL,

Our friend Dome I8CVS is sick and in hospital.
Get well soon OM.

When you are ill,
our sun goes under a cloud.
Your presence in our lives
is such a bright joy
that everything seems in shadow
when you're not here.
When you aren't feeling well,
we feel the lack
of your glowing energy
and contagious vitality.
When you are sick
we feel incomplete,
like a jigsaw puzzle
with a missing piece;
Please rest,
take good care of yourself,
and feel better.
We miss you
and want you back.
hope Get well soon

73's
Nader , st2nh

2307. The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-02 18:58:21 UTC
From: st2nh
Topic: 2307 Message: 2307

Hi All,
AO-7 70-cm RTTY telemetry
Beacon RX on 2nd March 2009
16:51 - 17:13 UTC
Software MMRTTY 45 Baud 85 Shift,HRD
Signal was strong from AOS TO LOS
HRD deal wll with Doppler shift after TCA!!
Here are some of the data:-

-10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
-20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
-30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
-40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
-50000-51765-52331-53019-540P-55-56000-57000-50000-59854
-00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
-00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
-10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
-20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA

Snapshot of MMRTTY with AO-7 RTTY Beacon data.

http://www.st2nh.com/AO-7RTTYBEACONST2NH.JPG/AO-7RTTYBEACONST2NH-full;init:.JPG

more info at AMSAT BB

73 de Nader , st2nh
www.st2nh.com

2308. AO-7 DX-list NEW-UPDATE

Yahoo group: eu-amsat
Date: 2009-03-02 23:27:22 UTC
From: SV1BSX
Topic: 2308 Message: 2308

Hello all,

the new updated "AO-7 DX-List" is already uploaded and we have 2 NEW Records for the 1st & 2nd place of the
"Longest Distance QSO" via AO-7!!!

The 1st "New WW Record" has been achieved by W4FDU and LU2DPW on CW-Mode. The distance between the 2
stations (EL89TP <> GF05GI) is 7537 Km, about 99 Km more than previous record ! Well done !

The 2nd place has been also changed with a second New-Record of 7524 Km by AA4FL and LU2DPW (....LU2DPW "strikes" once again !).

The previous Record (7438 Km) by Joe, K3SZH and Fabio, PY4AJ, it's now in the 3rd place of DX-List.

Congratulations to all operators ! Great competition !

For more details visit the new URL of page:

http://www.qsl.net/sv1bsx/oscardx/ao7-dx.html

....and a few "Tips":

Please keep in mind, I have set a new "Limit" for each operator in order to send me NO more than 2 QSOs maximum.
So, please send me just your "first two" best DX contacts - no more- in order to keep the List as short as possible (and interesting !).
The participation does not have meaning if includes a lot of contacts for each one operator, there is not any sense to send me somebody 5-10 QSOs and the most of these with a distance lower than 6500 Km.

We looking for the "Longest distance DX-QSOs" via AO-7 - NOT for a.... Long-long boring List.

Actually, after a few months I will keep into the DX-List ONLY the confirmed QSOs . Thus, in my new page only these QSOs (Highlighted with Yellow-color) have "counting" - including the foto of QSL-card.

The NON CONFIRMED QSOs are already without any number (counting) in the 1st column and they will be erased the next year from the list, if the concerned operators don't send me the relative QSL-cards. That it was a request by several operators which have already Confirmed QSOs and I agree with that, it's absolutely fair. As they used to say:

"The Final Courtesy of DX-QSO is a QSL Card" !

BTW I am fully surprised about the complete absence of MODE-A in the DX-List ! Nobody? Why that?

After a few weeks the Old-girl will enter in new eclipse-period, so we will lose the 24/7 "switching" between Mode-A & B.

Finally, pse check your personal entries (...if you have) in the DX-List and let me know for any possible error -particularly- in the "Distance (Km)" and "Locator" columns. The most participators have different programs, they don't use the "TinyLocator" for the distance-calculation and thus, I need to re-calculate several entries in order to make an accurate DX-List.
That is not easy if I have 10-15 new entries per update, so ...."don't shoot the pianist" !

Just let me know about the fault and I will correct it ASAP.

Thanks in advance

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2309. Re: [eu-amsat] The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-02 23:58:11 UTC
From: Thomas Frey
Topic: 2307 Message: 2309

st2nh schrieb:
>
> Hi All,
> AO-7 70-cm RTTY telemetry
> Beacon RX on 2nd March 2009
> 16:51 - 17:13 UTC
> Software MMRTTY 45 Baud 85 Shift,HRD
> Signal was strong from AOS TO LOS
> HRD deal wll with Doppler shift after TCA!!
> Here are some of the data:-
>
> [snip]
>
> Snapshot of MMRTTY with AO-7 RTTY Beacon data.
>
> http://www.st2nh.com/AO-7RTTYBEACONST2NH.JPG/AO-7RTTYBEACONST2NH-
> full;init:.JPG
>
> more info at AMSAT BB
>
> 73 de Nader , st2nh
> www.st2nh.com
>
>

Hello Nader

There is a little error in the address, correct is:
http://www.st2nh.com/AO-7RTTYBEACONST2NH.JPG

Can you give us more infos also here please ? Its really a nice surprise from this very old satellite. I listend on 435.100 MHz USB +- Doppler last sunday but I've nothing heard. Is this QRG OK ? And during which mode runs the RTTY beacon, A or B ?

Thanks and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2310. Re: [eu-amsat] The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-03 00:20:31 UTC
From: SV1BSX
Topic: 2307 Message: 2310

Hi Thomas,

the BCN is "ON" when the Old-lady is active on Mode-A, but as you know nothing is
stable enough on this satellite! Quite often the AO-7 On-Line Log has entries about the
BCN, so it might be helpful.

Today the BCN was very strong, I heard it after the AOS on 435.110 and I lost it
on about 435.050. And yes, I think you need USB on RX and REVERSE
on RTTY - software (- or the opposite in both).

However, for me it was not easy to decode it, my RX has 50 Hz step and thus is not
easy to center the RTTY-waterfall, the same time with Doppler.

Good luck to you !

73 de Mak, SV1BSX

----- Original Message -----
From: "Thomas Frey" <th.frey@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, March 03, 2009 1:58 AM
Subject: Re: [eu-amsat] The Old lady still continues to surprise!!

> st2nh schrieb:
>>
>> Hi All,
>> AO-7 70-cm RTTY telemetry
>> Beacon RX on 2nd March 2009
>> 16:51 - 17:13 UTC
>> Software MMRTTY 45 Baud 85 Shift,HRD
>> Signal was strong from AOS TO LOS
>> HRD deal wll with Doppler shift after TCA!!
>> Here are some of the data:-
>>
>> [snip]
>>
>> Snapshot of MMRTTY with AO-7 RTTY Beacon data.
>>
>> http://www.st2nh.com/AO-7RTTYBEACONST2NH.JPG/AO-7RTTYBEACONST2NH-
>> full;init:.JPG
>>
>> more info at AMSAT BB
>>

>> 73 de Nader , st2nh
>> www.st2nh.com
>>
>>
>
> Hello Nader
>
> There is a little error in the address, correct is:
> http://www.st2nh.com/AO-7RTTYBEACONST2NH.JPG
>
> Can you give us more infos also here please ? Its really a nice
> surprise from this very old satellite. I listend on 435.100 MHz USB
> +- Doppler last sunday but I've nothing heard. Is this QRG OK ? And
> during which mode runs the RTTY beacon, A or B ?
>
>
>
>
> Thanks and 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

2311. HAM-MAG No3

Yahoo group: eu-amsat
Date: 2009-03-03 00:30:00 UTC
From: SV1BSX
Topic: 2311 Message: 2311

The 3rd issue of HAM-eMagazine is already available online:

http://www.ham-mag.com

73

2312. Re: The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-03 08:27:18 UTC
From: Allan Copland
Topic: 2307 Message: 2312

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>
> Hi All,
> AO-7 70-cm RTTY telemetry
> Beacon RX on 2nd March 2009
> 16:51 - 17:13 UTC
> Software MMRTTY 45 Baud 85 Shift,HRD
> Signal was strong from AOS TO LOS
> HRD deal wll with Doppler shift after TCA!!
> Here are some of the data:-
>
> -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
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> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
> APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA

Hi Nader,
This is very interesting for me. The CMOS telemetry channel switching hardware is obviously still working, incrementing the channels but the data being transmitted are meaningless. The last value of each data frame should be 650 or 651 and is the reference voltage for the single channel A/D converter.

In the past, John, LA2QAA and I downloaded and decoded data from the bird *with* the correct A/D ref value of 650 or 651 so I wonder if the hardware on board actually still *is* functional but the bus voltage is currently insufficient to support proper and meaningful TLM system data generation.

I've lost touch with AO7 so I don't have any idea of how much illumination it is seeing, but if the illumination improves further still, don't be too surprised if you see a frame ending in 650 or 651 (the optimum values).

Remember that AO7 has been in Orbit for a *very* long time, leading to serious degradation of the glass cover-slides on the solar arrays. Even at a time of excellent illumination, they probably produce very little power.

AO7's telemetry system is very simple. It presents the output from each of the telemetry channels in turn to a single channel A/D and is then sent in a 'round-robin' type sequence. The last channel value should always be 50 or 51 (651 or 651) and is the reference voltage to the A/D.

Something else that John LA2QAA discovered by careful measurement is that even in full illumination, the mode-switching timer is not 100% consistent as you'd expect from an Xtal controlled oscillator. Turns out that in fact an R/C oscillator was used... hence the drift, despite the fact that the drawings show a rather different xtal based design. My information source on this one? No less than 'the King' .....Jan King, that is. Further study of the mode-switching timer in full sunlight by someone other than LA2QAA & GM1SXX would be most interesting :-)

I'm sure AO7 has few more surprises yet, and no doubt the AMSAT 'party line' on the matter will differ from mine.

73 Al.

2313. Not everything is as it appears.

Yahoo group: eu-amsat
Date: 2009-03-03 09:30:00 UTC
From: John Hackett
Topic: 2307 Message: 2313

Hello Folks,
Further to GM1SXX Al's comments (see below) I can also mention
that we did extensive testing over a considerable period of time using software
GM1SXX wrote specifically for that task.

The information gleaned re: the timer, which in fact is *NOT* as printed in the
1974 Amsat newsletter, can be found in the EU-Amsat archives - as well as on
the 'Observations' website by 'The Twisted Pair'.

<http://www.observations.biz>

I have reams of e-mails from Jan King, the AO-7 spacecraft project manager, re:
the RTTY and CODESTORE system.

The 650 and 651 parameters are from The King (Jan King) himself.

I have the command codes to control the satellite ... *BUT* ... the general
concensus of opinion was then - - and even more so now !!! ... that "messing"
with the electronics *COULD* do more damage than good ... so we decided to
leave the old girl alone to 'AGE WITH GRACE' rather than die a death because
LA2QAA couldn't keep his sticky little finger off the button.

Hopefully, the tongue-in-cheek description will be appreciated for it's content.

It would be too much of a chance to risk 'losing' AO-7 altogether - just to 'try'
the Codestore.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@hotmail.com
Date: Tue, 3 Mar 2009 08:27:18 +0000
Subject: [eu-amsat] Re: The Old lady still continues to surprise!!

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:

>

>

> Hi All,

> AO-7 70-cm RTTY telemetry

> Beacon RX on 2nd March 2009

> 16:51 - 17:13 UTC

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> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854

> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7

> APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047

> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N

> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055

> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA

Hi Nader,

This is very interesting for me. The CMOS telemetry channel switching hardware is obviously still working, incrementing the channels but the data being transmitted are meaningless. The last value of each data frame should be 650 or 651 and is the reference voltage for the single channel A/D converter.

In the past, John, LA2QAA and I downloaded and decoded data from the bird *with* the correct A/D ref value of 650 or 651 so I wonder if the hardware on board actually still *is* functional but the bus voltage is currently insufficient to support proper and meaningful TLM system data generation.

I've lost touch with AO7 so I don't have any idea of how much illumination it is seeing, but if the illumination improves further still, don't be too surprised if you see a frame ending in 650 or 651 (the optimum values).

Remember that AO7 has been in Orbit for a *very* long time, leading to serious degradation of the glass cover-slides on the solar arrays. Even at a time of excellent illumination, they probably produce very little power.

AO7's telemetry system is very simple. It presents the output from each of the telemetry channels in turn to a single channel A/D and is then sent in a 'round-robin' type sequence. The last channel value should always be 50 or 51 (651 or 651) and is the reference voltage to the A/D.

Something else that John LA2QAA discovered by careful measurement is that even in full illumination, the mode-switching timer is not 100% consistent as you'd expect from an Xtal controlled oscillator. Turns out that in fact an R/C oscillator was used... hence the drift, despite the fact that the drawings show a rather different xtal based design. My information source on this one? No less than 'the King' .....Jan King, that is. Further study of the mode-switching timer in full sunlight by someone other than LA2QAA & GM1SXX would be most interesting :-)

I'm sure AO7 has few more surprises yet, and no doubt the AMSAT 'party line' on the matter will differ from mine.

73 Al.

2314. Re: Not everything is as it appears.

Yahoo group: eu-amsat
Date: 2009-03-03 10:37:15 UTC
From: Allan Copland
Topic: 2307 Message: 2314

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Folks,
> Further to GM1SXX Al's comments (see below) I can
also mention
> that we did extensive testing over a considerable period of time
using software
> GM1SXX wrote specifically for that task.
>
> The information gleaned re: the timer, which in fact is *NOT* as
printed in the
> 1974 Amsat newsletter, can be found in the EU-Amsat archives - as
well as on
> the 'Observations' website by 'The Twisted Pair'.
>

For those with an interest, you can find some stuff at...
http://www.observations.biz/AO7_Stuff/

Just various notes emails etc batted between John, myself and Jan,
sorted into some sort of semblence of disorder :-)

AO7 does indeed continue to amaze.

Al.
GM1SXX

2315. Turret tags and satellites

Yahoo group: eu-amsat
Date: 2009-03-03 10:48:52 UTC
From: Allan Copland
Topic: 2315 Message: 2315

Things have sure changed on the satellite scene. You can see the construction, testing and launch of AO7 at the link below.

http://www.observations.biz/AO7_album/

Ths is a mirror of a Phil Karn (KA9Q) archive and the photos were I believe taken by Dick Daniels W4PUJ.

73 Al.
GM1SXX

2316. Re: [eu-amsat] Re: The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-03 11:45:38 UTC
From: Thomas Frey
Topic: 2307 Message: 2316

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>>
>> Hi All,
>> AO-7 70-cm RTTY telemetry
>> Beacon RX on 2nd March 2009
>> 16:51 - 17:13 UTC
>> Software MMRTTY 45 Baud 85 Shift,HRD
>> Signal was strong from AOS TO LOS
>> HRD deal wll with Doppler shift after TCA!!
>> Here are some of the data:-
>>
>> -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
>> -20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
>> -30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
>> -40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
>> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
>> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
>> APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
>> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
>> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
>> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
>>

Hello All

From Pat, G3IOR, I found an example description of the CW telemetry from the 2m beacon:

Hi Hi
100 176 164 178
280 262 200 254
375 358 331 354
453 454 461 459
541 501 552 529
600 600 601 651
Hi Hi

This differs from that, what Nader received, as you can see. I think, there are 2 different formats for the CW and the RTTY beacon ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2317. New regulations for Amateur-satellite service in Portugal

Yahoo group: eu-amsat
Date: 2009-03-03 12:48:40 UTC
From: SV1BSX
Topic: 2317 Message: 2317

This new radio regulation defines the fundamentals of the amateur services, and regulates communications between stations in the Amateur and Amateur-satellite services from Portugal.

http://www.southgatearc.org/news/march2009/new_portuguese_regulations.htm

2318. Re: The Old lady still continues to surprise!!

Yahoo group: eu-amsat
Date: 2009-03-03 13:59:01 UTC
From: Allan Copland
Topic: 2307 Message: 2318

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

100 176 164 178
280 262 200 254
375 358 331 354
453 454 461 459
541 501 552 529
600 600 601 651

Hi Thomas,

I know you are interested to know if the RTTY and CW TLM downlinks are the same. Unfortunately I can't answer that question. We didn't copy any RTTY.

The above frame is very typical of a CW frame as copied during LA2QAA and my own active study of the AO7 data. Since the data are framed correctly with the correct row numbers (generated by CMOS clock/data multiplexer) and the last value is 'sensible'... 49,50 or 51 are deemed acceptable, then the frame above shows that at least the CMOS timing clock + mux and A/D converter performance is nominal, with adequate voltage to drive the clock, counter,CMOS switches & A/D.

The MUX consists of a counter that toggles cmos analogue switches, to present the data inputs in turn to the single-channel A/D.

When the bus voltage drops too low for correct operation, you get random data sent and garbage A/D reference data. Bad data generally has scrambled row ID data and invariably doesn't end with 49-51.

The telemetry system seems quite robust. By that I mean that the beacon could be FM'ing quite badly while the data mux etc worked pretty well with enough voltage present for proper operation of the MUX clock and A/D converter etc.

AO7 is a tough old bird and I never cease to be impressed by the surprises she can spring on us. I'm sure a lot of good detective work still remains to be done. I think AO7 has a few surprises to spring on us yet.

Quite a bit of information can be gleaned about the state of the onboard systems based on what the telemetry tells us, especially at times of full illumination. Without a know period of full illumination, LA2QAA would never have managed to 'catch out' Jan King & Karl over the RC timer issue. That took some serious dedicated study on John's part. Apparently it was too decided that it was too much hassle and cost to order a special xtal for this timer :-)

I personally rate it as a superb piece of detective work.

73 Al.
GM1SXX

2319. AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-03 17:05:50 UTC
From: Thomas Frey
Topic: 2319 Message: 2319

Hello Al and group

In the meantime I read the following article on SARC:
http://www.southgatearc.org/news/march2009/ao7_continues_to_surprise.htm

I see now, that the RTTY-frame is unformatted.

And now compare the following 2 frames:

```
-10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
-20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
-30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
-40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
-50000-51765-52331-53019-540P-55-56000-57000-50000-59854
-00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
-APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
-00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
[- end of block ? -]
-10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
-20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
```

```
100 176 164 178
280 262 200 254
375 358 331 354
453 454 461 459
541 501 552 529
600 600 601 651
```

With a little bit of logic thinking and the info from the article
you can make this "Sudoku". ;-) Or reformat the RTTY-frame.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2320. Re: [eu-amsat] AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-03 17:56:05 UTC
From: luis mena
Topic: 2319 Message: 2320

please tell me the frecuency were ao7 its transmiting i rrty tnx luis hi8lam dominican republic. FOMENTAMOS LA RADIOAFICION, HACIENDO QUE OTROS SEPAN LO QUE HACEMOS Y DANDO LAS HERRAMIENTAS PARA QUE LO HAGAN.... PROMOTING AMATEUR RADIO, MAKING OTHERS KNOW WHAT WE DO, AND GIVING THE TOOLS TO DO SO .... --- On Tue, 3/3/09, Thomas Frey wrote: From: Thomas Frey Subject: [eu-amsat] AO-7 "Sudoku" To: eu-amsat@yahoogroups.com Date: Tuesday, March 3, 2009, 12:05 PM Hello Al and group In the meantime I read the following article on SARC: http://www.southgat earc.org/ news/march2009/ ao7_continues_ to_surprise. htm I see now, that the RTTY-frame is unformatted. And now compare the following 2 frames: -10000-11768- 12338-13710- QPEAQTOEU- 16421-17395- 10000-19131 -20484-21912- 22898-23864- 24549-25073- 26887-27880- 20000-29630 -30000-31000- 32000-33479- 34000-35234- 36260-37288- 30000-39256 -40501-41913- 4910-43900- 44594-45072- 46920-47914- 40000-49638 -50000-51765- 52331-53019- 540P-55-56000- 57000-50000- 59854 -00555-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00; (7 -APVMOT-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00047 -00365-11869- 02810-03884- 04640-0506APYITR 207898-0010- 09528N [- end of block ? -] -10000-11745- 12307-13712- 14603-15937- 16432217381(,17011-19055 -20484-21807- 22900-23896- 24612-25056- 26797-27881- 20000-2966MA 100 176 164 178 280 262 200 254 375 358 331 354 453 454 461 459 541 501 552 529 600 600 601 651 With a little bit of logic thinking and the info from the article you can make this "Sudoku". ;-) Or reformat the RTTY-frame. Mit freundlichen Grüssen, Regards, 73 Thomas Frey, HB9SKA _____ _____ _____ _____ _____ _____ _ Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 http://home. datacomm. ch/th.frey/

2321. Re: [eu-amsat] AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-03 19:46:32 UTC
From: Raul Romero
Topic: 2319 Message: 2321

http://amsat.org/pipermail/amsat-bb/2009-March/017627.html 73 Raul CA3SOC ----- Original Message ----- From: luis mena To: eu-amsat@yahoogroups.com Sent: Tuesday, March 03, 2009 2:56 PM Subject: Re: [eu-amsat] AO-7 "Sudoku" please tell me the frecuency were ao7 its transmiting i rrty tnx luis hi8lam dominican republic. FOMENTAMOS LA RADIOAFICION, HACIENDO QUE OTROS SEPAN LO QUE HACEMOS Y DANDO LAS HERRAMIENTAS PARA QUE LO HAGAN.... PROMOTING AMATEUR RADIO, MAKING OTHERS KNOW WHAT WE DO, AND GIVING THE TOOLS TO DO SO .... --- On Tue, 3/3/09, Thomas Frey wrote: From: Thomas Frey Subject: [eu-amsat] AO-7 "Sudoku" To: eu-amsat@yahoogroups.com Date: Tuesday, March 3, 2009, 12:05 PM Hello Al and group In the meantime I read the following article on SARC: http://www.southgat earc.org/ news/march2009/ ao7_continues_ to_surprise. htm I see now, that the RTTY-frame is unformatted. And now compare the following 2 frames: -10000-11768- 12338-13710- QPEAQTOEU- 16421-17395- 10000-19131 -20484-21912- 22898-23864- 24549-25073- 26887-27880- 20000-29630 -30000-31000- 32000-33479- 34000-35234- 36260-37288- 30000-39256 -40501-41913- 4910-43900- 44594-45072- 46920-47914- 40000-49638 -50000-51765- 52331-53019- 540P-55-56000- 57000-50000- 59854 -00555-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00; (7 -APVMOT-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00047 -00365-11869- 02810-03884- 04640-0506APYITR 207898-0010- 09528N [- end of block ? -] -10000-11745- 12307-13712- 14603-15937- 16432217381(,17011-19055 -20484-21807- 22900-23896- 24612-25056- 26797-27881- 20000-2966MA 100 176 164 178 280 262 200 254 375 358 331 354 453 454 461 459 541 501 552 529 600 600 601 651 With a little bit of logic thinking and the info from the article you can make this "Sudoku". ;-) Or reformat the RTTY-frame. Mit freundlichen Grüssen, Regards, 73 Thomas Frey, HB9SKA _____ _____ _____ _____ _____ _____ _ Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 http://home. datacomm. ch/th.frey/

2322. Re: AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-03 20:15:07 UTC
From: st2nh
Topic: 2319 Message: 2322

GE All

http://www.amsat.org/amsat/archive/amsat-bb/10day/msg70432.html

73 de st2nh

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Al and group
>
> In the meantime I read the following article on SARC:
>
http://www.southgatearc.org/news/march2009/ao7_continues_to_surprise.h
tm
>
> I see now, that the RTTY-frame is unformatted.
>
> And now compare the following 2 frames:
>
> -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
> -20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
> -30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
> -40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
> -APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
> [- end of block ? -]
> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
>
> 100 176 164 178
> 280 262 200 254
> 375 358 331 354
> 453 454 461 459
> 541 501 552 529
> 600 600 601 651
>
> With a little bit of logic thinking and the info from the article
> you can make this "Sudoku". ;-) Or reformat the RTTY-frame.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2323. Re: AO-7 "Sudoku" equations conversions ?????!!!!!

Yahoo group: eu-amsat
Date: 2009-03-03 20:45:59 UTC
From: st2nh
Topic: 2319 Message: 2323

HI

http://www.amsat.org/amsat/archive/amsat-bb/10day/msg70432.html

Jim, N8OQ worte on the above link :-

Greetings,

I only recorded 1-minute of the RTTY from last evenings pass but was
able to
decode channel 11 through 16 from it to augment David's (VK5DG)
decodes. Here
is what I was able to decode using reverse,45,85 parameters. I also
used the
1974 AMSAT J. final parameters and equations conversions. Great job
to David
for finding the 70-cm beacon on and decoding so much!

```
Ch Value Ok? Description Converted Value
-------------------------------------------------------
11 734 Y Battery volts 13.74v
12 326 N Half battery volts 3.41v
13 695 Y Regulated volts 23.63v
14 602 Y 10v Reg volts 9.38v
15 937 Y 9v reg volts 9.37v
16 422 Y Ch reg1 volts 6.53v
-------------------------------------------------------
```

Jim, N8OQ

What was the (equations conversions)
Jim used with AO-7 RTTY data ?????

73 de Nader , st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> GE All
>
> http://www.amsat.org/amsat/archive/amsat-bb/10day/msg70432.html
>
> 73 de st2nh
>

>
>
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
> >
> > Hello Al and group
> >
> > In the meantime I read the following article on SARC:
> >
>
http://www.southgatearc.org/news/march2009/ao7_continues_to_surprise.h
> tm
> >
> > I see now, that the RTTY-frame is unformatted.
> >
> > And now compare the following 2 frames:
> >
> > -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
> > -20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
> > -30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
> > -40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
> > -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
> > -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
> > -APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
> > -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
> > [- end of block ? -]
> > -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
> > -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
> >
> > 100 176 164 178
> > 280 262 200 254
> > 375 358 331 354
> > 453 454 461 459
> > 541 501 552 529
> > 600 600 601 651
> >
> > With a little bit of logic thinking and the info from the article
> > you can make this "Sudoku". ;-) Or reformat the RTTY-frame.
> >
> >
> >
> > Mit freundlichen Grüssen, Regards, 73
> > Thomas Frey, HB9SKA
> >
>

> >
> > Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93
41
> > http://home.datacomm.ch/th.frey/

> >
>

2324. Re: AO-7 DX-list NEW-UPDATE

Yahoo group: eu-amsat
Date: 2009-03-03 20:58:38 UTC
From: st2nh
Topic: 2308 Message: 2324

Hi Mak,

Great job OM & FB my Elemer
I hope one day I could see my callsign on AO-7 best DX list

http://www.qsl.net/sv1bsx/oscardx/ao7-dx.html

tnx MAK
73's
Nader , st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all,
>
> the new updated "AO-7 DX-List" is already uploaded and we have 2
NEW Records for the 1st & 2nd place of the
> "Longest Distance QSO" via AO-7!!!
>
> The 1st "New WW Record" has been achieved by W4FDU and LU2DPW on
CW-Mode. The distance between the 2
> stations (EL89TP <> GF05GI) is 7537 Km, about 99 Km more than
previous record ! Well done !
>
> The 2nd place has been also changed with a second New-Record of
7524 Km by AA4FL and LU2DPW
> (....LU2DPW "strikes" once again !).
>
> The previous Record (7438 Km) by Joe, K3SZH and Fabio, PY4AJ, it's
now in the 3rd place of DX-List.
>
> Congratulations to all operators ! Great competition !
>
> For more details visit the new URL of page:
>
> http://www.qsl.net/sv1bsx/oscardx/ao7-dx.html
>
>
> ....and a few "Tips":
>
> Please keep in mind, I have set a new "Limit" for each operator in
order to send me NO more than 2 QSOs maximum.
> So, please send me just your "first two" best DX contacts - no more-
in order to keep the List as short as possible (and interesting !).
> The participation does not have meaning if includes a lot of
contacts for each one operator, there is not any sense to send me

somebody 5-10 QSOs and the most of these with a distance lower than 6500 Km.
>
> We looking for the "Longest distance DX-QSOs" via AO-7 - NOT for a.... Long-long boring List.
>
> Actually, after a few months I will keep into the DX-List ONLY the confirmed QSOs . Thus, in my new page only these QSOs (Highlighted with Yellow-color) have "counting" - including the foto of QSL-card.
>
> The NON CONFIRMED QSOs are already without any number (counting) in the 1st column and they will be erased the next year from the list, if the concerned operators don't send me the relative QSL-cards. That it was a request by several operators which have already Confirmed QSOs and I agree with that, it's absolutely fair. As they used to say:
>
> "The Final Courtesy of DX-QSO is a QSL Card" !
>
> BTW I am fully surprised about the complete absence of MODE-A in the DX-List ! Nobody? Why that?
> After a few weeks the Old-girl will enter in new eclipse-period, so we will lose the 24/7 "switching" between Mode-A & B.
>
> Finally, pse check your personal entries (...if you have) in the DX-List and let me know for any possible error -particularly- in the "Distance (Km)" and "Locator" columns. The most participators have different programs, they don't use the "TinyLocator" for the distance-calculation and thus, I need to re-calculate several entries in order to make an accurate DX-List.
> That is not easy if I have 10-15 new entries per update, so ...."don't shoot the pianist" !
>
> Just let me know about the fault and I will correct it ASAP.
>
> Thanks in advance
>
> 73 de Mak, SV1BSX
>
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

2325. Re: [eu-amsat] Re: AO-7 "Sudoku" equations conversions ?????!!!!!

Yahoo group: eu-amsat
Date: 2009-03-04 00:33:19 UTC
From: Thomas Frey
Topic: 2319 Message: 2325

st2nh schrieb:
> HI
>
>
>
>
> http://www.amsat.org/amsat/archive/amsat-bb/10day/msg70432.html
>
> Jim, N8OQ worte on the above link :-
>
> ---
>
> Greetings,
>
> I only recorded 1-minute of the RTTY from last evenings pass but was
> able to
> decode channel 11 through 16 from it to augment David's (VK5DG)
> decodes. Here
> is what I was able to decode using reverse,45,85 parameters. I also
> used the
> 1974 AMSAT J. final parameters and equations conversions. Great job
> to David
> for finding the 70-cm beacon on and decoding so much!
>
> Ch Value Ok? Description Converted Value
> ---
> 11 734 Y Battery volts 13.74v
> 12 326 N Half battery volts 3.41v
> 13 695 Y Regulated volts 23.63v
> 14 602 Y 10v Reg volts 9.38v
> 15 937 Y 9v reg volts 9.37v
> 16 422 Y Ch reg1 volts 6.53v
> ---
> Jim, N8OQ
>
> ---
>
> What was the (equations conversions)
> Jim used with AO-7 RTTY data ?????
>
>
>
> 73 de Nader , st2nh
> www.st2nh.com
>

>

Hello Nader

I don't know Jim's software. But when the RTTY-frame is reformatted
like the CW-frame, you can use a wide software collection. See
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
This is the official AO-7 homepage.

>> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
>>
>>> Hello Al and group
>>>
>>> In the meantime I read the following article on SARC:
>>>
>>>
> http://www.southgatearc.org/news/march2009/ao7_continues_to_surprise.h
>
>> tm
>>
>>> I see now, that the RTTY-frame is unformatted.
>>>
>>> And now compare the following 2 frames:
>>>
>>> -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
>>> -20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
>>> -30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
>>> -40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
>>> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
>>> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
>>> -APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
>>> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
>>> [- end of block ? -]
>>> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
>>> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
>>>
>>> 100 176 164 178
>>> 280 262 200 254
>>> 375 358 331 354
>>> 453 454 461 459
>>> 541 501 552 529
>>> 600 600 601 651
>>>
>>> With a little bit of logic thinking and the info from the article
>>> you can make this "Sudoku". ;-) Or reformat the RTTY-frame.
>>>
>>>
>>>
>>>

I had no time yet to make the "Sudoku". :-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2326. Re: [eu-amsat] AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-04 02:14:44 UTC
From: luis mena
Topic: 2319 Message: 2326

si serias tan amable de enviarme la frecuencia de bajada para la telemetria en rtty del sat gracias luis FOMENTAMOS LA RADIOAFICION, HACIENDO QUE OTROS SEPAN LO QUE HACEMOS Y DANDO LAS HERRAMIENTAS PARA QUE LO HAGAN.... PROMOTING AMATEUR RADIO, MAKING OTHERS KNOW WHAT WE DO, AND GIVING THE TOOLS TO DO SO .... --- On Tue, 3/3/09, Raul Romero wrote: From: Raul Romero Subject: Re: [eu-amsat] AO-7 "Sudoku" To: eu-amsat@yahoogroups.com Date: Tuesday, March 3, 2009, 2:46 PM http://amsat. org/pipermail/ amsat-bb/ 2009-March/ 017627.html 73 Raul CA3SOC ----- Original Message ----- From: luis mena To: eu-amsat@yahoogroup s.com Sent: Tuesday, March 03, 2009 2:56 PM Subject: Re: [eu-amsat] AO-7 "Sudoku" please tell me the frecuency were ao7 its transmiting i rrty tnx luis hi8lam dominican republic. FOMENTAMOS LA RADIOAFICION, HACIENDO QUE OTROS SEPAN LO QUE HACEMOS Y DANDO LAS HERRAMIENTAS PARA QUE LO HAGAN.... PROMOTING AMATEUR RADIO, MAKING OTHERS KNOW WHAT WE DO, AND GIVING THE TOOLS TO DO SO .... --- On Tue, 3/3/09, Thomas Frey wrote: From: Thomas Frey Subject: [eu-amsat] AO-7 "Sudoku" To: eu-amsat@yahoogroup s.com Date: Tuesday, March 3, 2009, 12:05 PM Hello Al and group In the meantime I read the following article on SARC: http://www.southgat earc.org/ news/march2009/ ao7_continues_ to_surprise. htm I see now, that the RTTY-frame is unformatted. And now compare the following 2 frames: -10000-11768- 12338-13710- QPEAQTOEU- 16421-17395- 10000-19131 -20484-21912- 22898-23864- 24549-25073- 26887-27880- 20000-29630 -30000-31000- 32000-33479- 34000-35234- 36260-37288- 30000-39256 -40501-41913- 4910-43900- 44594-45072- 46920-47914- 40000-49638 -50000-51765- 52331-53019- 540P-55-56000- 57000-50000- 59854 -00555-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00; (7 -APVMOT-00047- 00555-00047- 00555-00047- 00555-00047- 00555-00047 -00365-11869- 02810-03884- 04640-0506APYITR 207898-0010- 09528N [- end of block ? -] -10000-11745- 12307-13712- 14603-15937- 16432217381(,17011-19055 -20484-21807- 22900-23896- 24612-25056- 26797-27881- 20000-2966MA 100 176 164 178 280 262 200 254 375 358 331 354 453 454 461 459 541 501 552 529 600 600 601 651 With a little bit of logic thinking and the info from the article you can make this "Sudoku". ;-) Or reformat the RTTY-frame. Mit freundlichen Grüssen, Regards, 73 Thomas Frey, HB9SKA _____ _____ _____ _____ _____ _____ _ Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 http://home. datacomm. ch/th.frey/

2327. RTTY equations.

Yahoo group: eu-amsat
Date: 2009-03-04 07:44:12 UTC
From: John Hackett
Topic: 2327 Message: 2327
Attachments: 1 described; binary payloads are missing from this source WARC

Nader,
I believe you were interested in the AO-7 RTTY equations.

See the attachment.

Anyone requiring the CW eqations or any other technical information
about the old girl ... *SHOUT* !!!!

As Mak knows, I dedicated several years of my life to that chunk of
aluminium & plastic ... (which I thoroughly enjoyed ... though my
2 x divorced wives didn't) ... he he he.

73 John. <la2qaa@...>

2328. RTTY Command parameters

Yahoo group: eu-amsat
Date: 2009-03-04 07:51:59 UTC
From: John Hackett
Topic: 2328 Message: 2328
Attachments: 1 described; binary payloads are missing from this source WARC

Here are the rest of the AO-7 RTTY command parameters.

(attached).

73 John. <la2qaa@...>

2329. For the newcomers.

Yahoo group: eu-amsat
Date: 2009-03-04 08:13:27 UTC
From: John Hackett
Topic: 316 Message: 2329

Useless Information Dept:

Ny curtesy of LA2QAA & GM1SXX ... (aka The Twisted Pair).

For the benefit of potential newcomers.

AO-7, launched in 1974 was the testbed for the later generation
PACSATS and the forthcoming (2009) store and forward cubesat.

AO-7 had a simple store and forward system called CODESTORE, a simple
CW store and forward system (predating the Russian RS 'Robots'). Designed
by the Australians - (betcha' didn't know that) - the system was first flown
on Oscar 6

It also had an RTTY systen designed by the same team.

Somebody (can't recall who) asked for beacon frequencies.

The AM modulated telemetry beacon is on 29.50 Mhz - 200mW 35 years ago
(see GM1SXX's earlier comments re: solar panel degradation) 145.98 (200mW)
and 435.10 FSK (350mW)

(now the station that mentioned it sounded 'wierd' in mode-A perhaps can
understand why ... try AM).

73 John. LA2QAA & Al GM1SXX.

2330. Re: AO-7 "Sudoku"

Yahoo group: eu-amsat
Date: 2009-03-04 08:22:33 UTC
From: Allan Copland
Topic: 2319 Message: 2330

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Al and group
>
>
Hi Thomas.

It has to be remembered that most of the AO7 hardware is built from simple first-generation unbuffered CMOS chips and as such, has no dedicated serial interface on board. Instead the telemetry system uses a master clock which is used to sample the analogue data from the sensors by simple multiplexing via CMOS analogue switches that feed their signals in turn to the A/D converter and thence to shift registeres for 'formatting' for transmission. The clock/counter circuitry supplies the channel 'ROW' count while the A/D samples the data and 'tags' that to the 'row' counts. Ergo you get the format that you do. In it's time' it was pretty clever stuff..... a telemetry and control system and not a hint of a microprocessor anywhere :-)

As you have worked out, the RTTY is a SODOKU version of the same data... for the same reason. The system on board is rather simple! No UARTS, USARTS or anything that ends in ARTS!
It's so old that the CMOS is of the old unbuffered sort.

Remember, when AO7 was built, we were still using computers the size of a large washing-machine with mag-core memory. At least I was!
Embedded IHU's were quite a long way off in the future!

You can see most of this hardware at the link I posted earlier.

It's also worthy of note that much of the transponder circuitry is built on Turret Tags over a ground plane. Think *big* slotted Vero pinss pushed into an isolated 'land' on an unetched PCB, and you'll get the general idea. It was obviously pretty successful :-)

The command system is also rather clever.... for it's time.

73 de Al.
GM1SXX

2331. AO-7 TLM fans please note.

Yahoo group: eu-amsat
Date: 2009-03-04 10:26:54 UTC
From: John Hackett
Topic: 2331 Message: 2331

Anyone wishing to try the AO-7 RTTY equations I posted earlier today can start with the data below.

I would (respectfully, but strongly) suggest interested parties read the posts from GM1SXX before doing so. I assure you that particular information 'IS* correct - unlike certain statements in the Amsat Newsletter of September 1974.

The degradation of the solar panels can only be estimated 35 years hence ... The electronics onboard *ARE* as GM1SXX notes.

Even the illustrious Commodore 64 !!!! (The breadbox) wasnt conceived in those days so the CODESTORE and RTTY system *WAS* pretty 'spiffy' for it's time.

(Australia gave us more than Crocodile Dundee) ... namely OSCAR-6 as the 'first' digital satellite).

Please note ... that the 1974 newsletter was a *PROPOSED* - (quote) - TECHNICAL OPERATIONS PLAN AND EXPERIMENTER'S GUIDE - (unquote).

Last minute changes *WERE* made before launch.

The above information was given to me personally by the AO-7 Project Manager Jan King W3GEY (in 1974) VK3GEY (but now in France).

NB.

Anyone wondering what part Australia (and Britain) played in Space can 'stick' the word WOOMERA into Google and ... 'read all about it'.

The reason the British shipped their rockets to Australia for launch ought to be fairly obvious and yes, it was all classified in the 60's.

Further keywords are BLACK KNIGHT

(So that's !!!! why Branson called his craft White Knight.....GM1SXX)

73 John. LA2QAA <la2qaa@...>

.....

AO-07 Telemetry copied by Alan ZL2BX over ZL 3 March 2009.

AOS 0946 UT, LOS 1006 UT 29deg.

483345010-46923-47801-40000-49921
-50058-51766-52321-53009-54000-55000-56000-57000-50000-59861
-00567702547-005 (-02547)567-02547& -00567-02547-00567702547
-00567-0?547-005675 (167-00567-02547-00567-02547-00567-02547

-00362-01918-02828-03694-04874-05010-06912-07848-00000-09914
-10035-11770-12337-13714-14603-15937-16423-17400-10000-19150
-20484-21913-22862-23679-24877-25010-26889-27847-20000-29908
-30000-31000-32000-33491-34000-35221-36220-37244-30000-39257
-40501-41916-42886-43672-44882-45010-46924-47892-40000-49921
-50000-51766-52330-53009-54000-55000-56000-57000-50000-59847
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00366-01918-02878-03644-04873-05010-06912-07893-00000-09909
-10000-11768-12336-13714-14603-15937-16417-17396-10000-19148
-20484-21913-22897-23669-24848-25010-26889-27880-20000-29871
-30000-31000-32000-33503-34000-35222-36232-37261-30000-39257
-40501-41916-42913-43703-44819-45010-46924-47917-40000-49851
-50000-51765-52329-53009-54000-55000-56000-57000-50000-59849
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00366-01918-02892-03743-04758-05010-06912-07906-00000-09791
-10000-11769-12337-13714-14603-15937-16419-17397-10000-19148
-20484-21913-22902-23770-24740-25010-26888-27883-20000-29768
-30000-31000-32000-33483-34000-35222-36242-37276-30000-39257
-40501-41915-42912-43796-44724-45010-46923-47917-40000-49755
-50000-51765-52329-53009-54000-55000-56000-57000-50000-59854
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-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00366-01917-02891-03840-04659-05010-06911-07905-00000-09692
-10000-11770-12337-13714-14603-15937-16421-17399-10000-19148
-20484-21912-22901-23866-24645-25010-26888-27882-20000-29675
-30000-31000-32000-33482-34000-35221-36249-37289-30000-39255
-40501-41915-42911-43886-44639-45010-46922-47916-40000-49674
-50000-51766-52330-53009-54000-55000-56000-57000-50000-59854
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00366-01916-02890-03881-04619-05010-06910-07904-00000-09656
-10071-11770-12338-13715-14603-15937-16422-17399-10000-19148
-20484-21906-22901-23896-24624-25010-26876-27882-20000-29661
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-00366-01832-02891-03895-04696-05010-06822-07905-00000-09739
-10000-11770-12338-13715-14603-15937-16425-17401-10000-19148
-20484-21808-22902-23904-24716-25010-26783-27882-20000-29752
-30050-31000-32000-33479-34000-35217-36245-37297-30000-39252
-40501-41795-42912-43914-44734-45010-46798-47916-40000-49776
-50181-51766-52330-53009-54000-55000-56000-57000-50000-59857
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-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00367-01762-02891-03896-04764-05010-06750-07905-00000-09810
-10263-11770-12337-13714-14603-15937-16419-17397-10000-19149

-20484-21729-22902-23906-24796-25010-26704-27883-20000-29834
-30259-31000-32000-33483-34000-35221-36244-37283-30000-39251
-40501-41708-42912-43916-44823-45010-46710-47917-40000-49866
-50254-51766-52330-53009-54000-55000-56000-57000-50000-59854
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00368-01682-02892-03897-04842-05010-06675-07906-00000-09883
-10266-11770-12337-13714-14603-15937-16418-17397-10000-19149
-20484-21670-22902-23907-24852-25010-26651-27883-20000-29885
-30274-31000-32000-33483-34000-35221-36233-37260-30000-39251
-40501-41667-42910-43916-44863-45010-46674-47909-40000-49904
-50278-51765-52329-53009-54000-55000-56000-57000-50000-59850
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00567-02547-00567-02547-00567-02547-00567-02547-00567-02547
-00368-01695-02836-03897-04871-05010-06696-07843-00000-09911
-10306-11769-12328-13713-14603-15937-16414-17395-10000-19148
-20484-21714-22820-23906-24876-25010-26705-27795-20000-29907
-30299-31000-32000-33505-34000-35221-36220-37236-30000-39252
-40501-41707-42795-43915-44881-45010-46695-47792-40000-49920
-50286-51763-52327-53009-54000-55000-56000-57000-50000-59843
-00567-02547-0)567-02547-00567-1-08-2 YSXKC-0247"
-0567-02547-00567-02547-00567-02547-00567?-824-00567-02547
-00369'3,/1-02733-03095-0$01#2#638

2332. Re: [eu-amsat] For the newcomers.

Yahoo group: eu-amsat
Date: 2009-03-04 10:54:13 UTC
From: Thomas Frey
Topic: 316 Message: 2332

John Hackett schrieb:
>
> The AM modulated telemetry beacon is on 29.50 Mhz - 200mW 35 years ago

Hello John

Very interesting! I saw in Emilys Log at Saturday or Sunday, that
an OM heard this beacon also. I can't found the entry.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2333. RE: [eu-amsat] For the newcomers.

Yahoo group: eu-amsat
Date: 2009-03-04 12:01:17 UTC
From: John Hackett
Topic: 316 Message: 2333

Hello Thomas,
Yes, I think I saw that entry on the Amsat-bb too.

I made specific mention of the '200mW, 35 years ago' because GM1SXX
and myself tried to bring to people's attention several years ago that we
can only speculate as to the effectiveness (or lack of) of the solar panels
with 35 years of accumulated spacedust 'onboard'.

I do remember Terry G1WPR - (yesssss, I know !!!! you and K3AZH are
peeping... 'How'ya doing Joe?") ... mentioning we ought to send up a
Cosmonought to 'give 'em a wipe with a wet cloth'.

Being serious for a moment ... GM1SXX actually runs part of his station on
solar power and noticed a couple of years ago some power degradation -
but a wipe with a damp cloth resored the effectivity.

Like I mentioned - we can only speculate on the effect of 35 years of
accumulated spacedust ... this needs to be taken into account when
attempting to speculate on power or effectiveness of the old plodder.

I think more and more people are becoming aware of what a resource
we have in AO-7 ... you never know, even Amsat might realise it one
of these days ... but I'm not holding my breath.

(You do realise you just 'proved' you're a wishful thinker.....GM1SXX)

Forgive the 'banter' Thomas, it's SATIRICALLY meant.

Seriously, I believe AO-7 ought to have been used *FAR* more than it
has to emphisise the role of amateur radio in space ... a launch *MIGHT*
have been a bit more forthcoming if the commercial BIG BOYS were made
aware of what certain radio amateurs are capable of.

THUD !!!!

(falls off soapbox)

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 4 Mar 2009 11:54:13 +0100
Subject: Re: [eu-amsat] For the newcomers.

John Hackett schrieb:

>

> The AM modulated telemetry beacon is on 29.50 Mhz - 200mW 35 years ago

Hello John

Very interesting! I saw in Emilys Log at Saturday or Sunday, that

an OM heard this beacon also. I can't found the entry.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2334. Re: [eu-amsat] AO-7 TLM fans please note.

Yahoo group: eu-amsat
Date: 2009-03-04 12:11:58 UTC
From: SV1BSX
Topic: 2331 Message: 2334

Hi John & Group,

I read all that about RTTY telemetry and I am also surprised, however I wondering about the TX-data.
As we have spoke with you dr John about the CW-TLM which has been captured, the problem was that the Data were not accurate enough and sometimes they are absolutely fake-Data due to destroyed battery.

So, I also wonder now about the RTTY-TLM. Is it something similar to CW-TLM and thus un-useful
Data?
-Or- are they accurate enough and therefore useful for farther analysis ?

Just I wonder....

73, Mak SV1BSX
----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 04, 2009 12:26 PM
Subject: [eu-amsat] AO-7 TLM fans please note.

Anyone wishing to try the AO-7 RTTY equations I posted earlier today can start with the data below.

I would (respectfully, but strongly) suggest interested parties read the posts from GM1SXX before doing so. I assure you that particular information 'IS* correct - unlike certain statements in the Amsat Newsletter of September 1974.

The degradation of the solar panels can only be estimated 35 years hence ...
The electronics onboard *ARE* as GM1SXX notes.

Even the illustrious Commodore 64 !!!! (The breadbox) wasnt conceived in those days so the CODESTORE and RTTY system *WAS* pretty 'spiffy' for it's time.

(Australia gave us more than Crocodile Dundee) ... namely OSCAR-6 as the 'first' digital satellite).

Please note ... that the 1974 newsletter was a *PROPOSED* - (quote) - TECHNICAL OPERATIONS PLAN AND EXPERIMENTER'S GUIDE - (unquote).

Last minute changes *WERE* made before launch.

The above information was given to me personally by the AO-7 Project Manager Jan King W3GEY (in 1974) VK3GEY (but now in France).

NB.

Anyone wondering what part Australia (and Britain) played in Space can 'stick' the word WOOMERA into Google and ... 'read all about it'.

The reason the British shipped their rockets to Australia for launch ought to be fairly obvious and yes, it was all classified in the 60's.

Further keywords are BLACK KNIGHT

(So that's !!!! why Branson called his craft White Knight.....GM1SXX)

73 John. LA2QAA <la2qaa@...>

.....
.....

AO-07 Telemetry copied by Alan ZL2BX over ZL 3 March 2009.

AOS 0946 UT, LOS 1006 UT 29deg.

483345Ψ1Ψ-46923-478Ψ1-4ΨΨΨΨ-49921
-5ΨΨ58-51766-52321-53ΨΨ9-54ΨΨΨ-55ΨΨΨ-56ΨΨΨ-57ΨΨΨ-5ΨΨΨΨ-59861
-ΨΨ5677Ψ2547-ΨΨ5 (-Ψ2547)567-Ψ2547& -ΨΨ567-Ψ2547-ΨΨ5677Ψ2547
-ΨΨ567-Ψ?547-ΨΨ5675 (167-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ362-Ψ1918-Ψ2828-Ψ3694-Ψ4874-Ψ5Ψ1Ψ-Ψ6912-Ψ7848-ΨΨΨΨΨ-Ψ9914
-1ΨΨ35-1177Ψ-12337-13714-146Ψ3-15937-16423-174ΨΨ-1ΨΨΨΨ-1915Ψ
-2Ψ484-21913-22862-23679-24877-25Ψ1Ψ-26889-27847-2ΨΨΨΨ-299Ψ8
-3ΨΨΨΨ-31ΨΨΨ-32ΨΨΨ-33491-34ΨΨΨ-35221-3622Ψ-37244-3ΨΨΨΨ-39257
-4Ψ5Ψ1-41916-42886-43672-44882-45Ψ1Ψ-46924-47892-4ΨΨΨΨ-49921
-5ΨΨΨΨ-51766-5233Ψ-53ΨΨ9-54ΨΨΨ-55ΨΨΨ-56ΨΨΨ-57ΨΨΨ-5ΨΨΨΨ-59847
-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ366-Ψ1918-Ψ2878-Ψ3644-Ψ4873-Ψ5Ψ1Ψ-Ψ6912-Ψ7893-ΨΨΨΨΨ-Ψ99Ψ9
-1ΨΨΨΨ-11768-12336-13714-146Ψ3-15937-16417-17396-1ΨΨΨΨ-19148
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-ΨΨ369'3,/1-Ψ2733-Ψ3Ψ95-Ψ$Ψ1#2#638

2335. RE: [eu-amsat] AO-7 TLM fans please note.

Yahoo group: eu-amsat
Date: 2009-03-04 12:29:28 UTC
From: John Hackett
Topic: 2331 Message: 2335

Hello Mak,
My personal opinion is that the RTTY data is about as genuine
as an American $11 note.

That is precisely the reason GM1SXX and myself have been 'waffling' about
the electronics and the inadequate power (dusty solar panels) to run the
RTTY encoders.

I wish !!! somebody could prove us wrong ... but unfortunately, nobody is
dropping in on AO-7 this week.

A *LOT* of CW data was captured over a rather long periodof time by myself
so I *KNOW* 85% of it was incorrect - (according to the equations) - I
ASSUME the RTTY system to operate under the same parameters BUT I HAVE
NOT PERSONALLY CHECKED THIS ... which is exactly why I added that collected
data stream together with the equations earlier this morning.

As you know, GM1SXX and myself have done our bit on and for AO-7 - so
somebody else can have a crack at the whip now ... perhaps write a new
data capture program to prove/disprove our theories ??.

73 John. <la2qaa@...>

cc'd GM1SXX.
To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Wed, 4 Mar 2009 14:11:58 +0200
Subject: Re: [eu-amsat] AO-7 TLM fans please note.

Hi John & Group,

I read all that about RTTY telemetry and I am
also surprised, however I wondering about
the TX-data.
As we have spoke with you dr John about the
CW-TLM which has been captured, the problem
was that the Data were not accurate enough and sometimes
they are absolutely fake-Data due
to destroyed battery.

So, I also wonder now about
the RTTY-TLM. Is it something similar to CW-TLM and thus
un-useful
Data?
-Or- are they accurate enough and therefore useful
for farther analysis ?

Just I wonder....

73, Mak SV1BSX

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 04, 2009 12:26
PM
Subject: [eu-amsat] AO-7 TLM fans please
note.

Anyone wishing to try the AO-7 RTTY equations I posted
earlier today can
start with the data below.

I would (respectfully,
but strongly) suggest interested parties read the posts
from GM1SXX before
doing so. I assure you that particular information 'IS*
correct -
unlike certain statements in the Amsat Newsletter of September
1974.

The degradation of the solar panels can only be estimated 35
years hence ...
The electronics onboard *ARE* as GM1SXX notes.

Even
the illustrious Commodore 64 !!!! (The breadbox) wasnt conceived in those

days so the CODESTORE and RTTY system *WAS* pretty 'spiffy' for it's
time.

(Australia gave us more than Crocodile Dundee) ... namely OSCAR-6
as the 'first'
digital satellite).

Please note ... that the 1974
newsletter was a *PROPOSED* - (quote) - TECHNICAL
OPERATIONS PLAN AND
EXPERIMENTER'S GUIDE - (unquote).

Last minute changes *WERE* made
before launch.

The above information was given to me personally by the
AO-7 Project Manager
Jan King W3GEY (in 1974) VK3GEY (but now in
France).

NB.

Anyone wondering what part Australia (and Britain)
played in Space can 'stick'
the word WOOMERA into Google and ... 'read all
about it'.

The reason the British shipped their rockets to Australia
for launch ought to be
fairly obvious and yes, it was all classified in
the 60's.

Further keywords are BLACK KNIGHT

(So that's !!!! why
Branson called his craft White Knight.....GM1SXX)

73 John.
LA2QAA
<la2qaa@...>

.....
.....

AO-07
Telemetry copied by Alan ZL2BX over ZL 3 March 2009.

AOS 0946 UT, LOS
1006 UT 29deg.

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-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ368-Ψ1682-Ψ2892-Ψ3897-Ψ4842-Ψ5Ψ1Ψ-Ψ6675-Ψ79Ψ6-ΨΨΨΨΨ-Ψ9883
-1Ψ266-1177Ψ-12337-13714-146Ψ3-15937-16418-17397-1ΨΨΨΨ-19149
-2Ψ484-2167Ψ-229Ψ2-239Ψ7-24852-25Ψ1Ψ-26651-27883-2ΨΨΨΨ-29885
-3Ψ274-31ΨΨΨ-32ΨΨΨ-33483-34ΨΨΨ-35221-36233-3726Ψ-3ΨΨΨΨ-39251
-4Ψ5Ψ1-41667-4291Ψ-43916-44863-45Ψ1Ψ-46674-479Ψ9-4ΨΨΨΨ-499Ψ4
-5Ψ278-51765-52329-53ΨΨ9-54ΨΨΨ-55ΨΨΨ-56ΨΨΨ-57ΨΨΨ-5ΨΨΨΨ-5985Ψ
-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547
-ΨΨ368-Ψ1695-Ψ2836-Ψ3897-Ψ4871-Ψ5Ψ1Ψ-Ψ6696-Ψ7843-ΨΨΨΨΨ-Ψ9911
-1Ψ3Ψ6-11769-12328-13713-146Ψ3-15937-16414-17395-1ΨΨΨΨ-19148
-2Ψ484-21714-2282Ψ-239Ψ6-24876-25Ψ1Ψ-267Ψ5-27795-2ΨΨΨΨ-299Ψ7

-3Ψ299-31ΨΨΨ-32ΨΨΨ-335Ψ5-34ΨΨΨ-35221-3622Ψ-37236-3ΨΨΨΨ-39252
-4Ψ5Ψ1-417Ψ7-42795-43915-44881-45Ψ1Ψ-46695-47792-4ΨΨΨΨ-4992Ψ
-5Ψ286-51763-52327-53ΨΨ9-54ΨΨΨ-55ΨΨΨ-56ΨΨΨ-57ΨΨΨ-5ΨΨΨΨ-59843
-ΨΨ567-Ψ2547-Ψ)567-Ψ2547-ΨΨ567-1-Ψ8-2
YSXKC-Ψ247"
-Ψ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567-Ψ2547-ΨΨ567?-824-ΨΨ567-Ψ2547
-ΨΨ369'3,/1-Ψ2733-Ψ3Ψ95-Ψ$Ψ1#2#638

2336. AO7 Codestore

Yahoo group: eu-amsat
Date: 2009-03-04 12:41:54 UTC
From: Allan Copland
Topic: 2336 Message: 2336

Hi Folks,

This is how they did business in the days before embedded CPU's.
It works pretty well.

http://www.observations.biz/AO7_album/Temp-0047-1.jpg

I'm pretty certain that this is the codestore module.
These chips are the unbuffered forerunners of the modern CD40XXB series CMOS IC's, but in military spec ceramic packaging. In their time, I'm sure they'd have been pretty expensive IC's. You can see the construction, testing and launch of AO7 at..
http://www.observations.biz/AO7_album/
If you click on the thumbnails, they will open a bigger image.

Interesting that although the RF stuff (transponders)is built in large part using turret tags, the remainder (mostly logic) is on conventional PCB's. You can also see some photos of that troublesome battery which unknown to AMSAT was already 'old' when it was donated to them. It had already been through some extensive cycling.
Just as well that it ended up bucking the trend for Ni-Cd's and going open-circuit... or at least high resistance.

73 Al.
GM1SXX

2337. Nader's Satellite Sodoku data

Yahoo group: eu-amsat
Date: 2009-03-04 14:47:24 UTC
From: Allan Copland
Topic: 2337 Message: 2337

Hi Folks

Nader posted a link to the following 'Satellite Sodoku' data.

```
-10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
-20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
-30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
-40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
-50000-51765-52331-53019-540P-55-56000-57000-50000-59854
-00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
-00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
-10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
-20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
```

To me although this might be fun, but looks like garbled rubbish. I say this because although *some* of the info is framed properly with rows 1-5 looking not too bad and row 6 missing altogether!

I'd respectfully suggest two 'rules' you should apply to your Sodoku data.

1)If you don't copy all the rows then you should discard that frame.
and ... much more importantly,
2) if the last value in a frame is not 649, 650 or 651, the data are unreliable.

The reason for this is simple. The last value in each frame should always end in 6 plus 49, 50 or 51 because that represents an acceptable analogue to digital converter reference voltage, absolutely *essential* for the sending of acceptable telemetry data. Without enough power to provide the A/D with it's proper reference voltage, all data is meaningless.

Satellite Sodoku... I have to say, what a grand game :-)

Should you copy any frames that *do* end in 651, I'd be most interested to hear from you, as would John, LA2QAA.

The information in Nader's transcript *does* prove that the clock, counters and shift register etc are all working correctly, otherwise you would not get the line numbers being sent... and in correct sequence. You can infer a lot from even bad data :-)

UoSAT2 used a similar system for it's telemetry downlink and it too seems to have died, or be be dying, in a similar type of way, sending framed telemetry block but devoid of data. CMOS is a hardy technology for space use. UoSAT2 is a somewhat more recent bird than AO7 and probably used modern buffered CMOS.

There's a lot of fun and eduction to be had from studying 'old birds'... HIHI!

73 Al.
GM1SXX

2338. AO-7 Teletype Equations Conversions table

Yahoo group: eu-amsat
Date: 2009-03-04 14:55:38 UTC
From: st2nh
Topic: 2338 Message: 2338

HI ALL ,

Here is a link to AMSAT NEWSLETTER 1974

at page 9 there is a table for conversion the AO_7 teletype telemetery data

http://www.ka9q.net/AMSAT-Newsletter-1974.pdf

Thanks Mike DK3WN for info and link

73 de Nader , st2nh

www.st2nh.com

2339. Old birds.

Yahoo group: eu-amsat
Date: 2009-03-04 15:06:09 UTC
From: John Hackett
Topic: 2339 Message: 2339

To GM1SXX.

Most old birds can still show the young floosies a thing or two.

73 LA2QAA

2340. Re: Nader's Satellite Sodoku data

Yahoo group: eu-amsat
Date: 2009-03-04 15:20:05 UTC
From: st2nh
Topic: 2337 Message: 2340

Hi AL & ALL

Yes it is fun and eduction
for more Sodoku fun pse see .

http://groups.yahoo.com/group/eu-amsat/message/2338

73's de Nader , st2nh

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> Hi Folks
>
> Nader posted a link to the following 'Satellite Sodoku' data.
>
> -10000-11768-12338-13710-QPEAQTOEU-16421-17395-10000-19131
> -20484-21912-22898-23864-24549-25073-26887-27880-20000-29630
> -30000-31000-32000-33479-34000-35234-36260-37288-30000-39256
> -40501-41913-4910-43900-44594-45072-46920-47914-40000-49638
> -50000-51765-52331-53019-540P-55-56000-57000-50000-59854
> -00555-00047-00555-00047-00555-00047-00555-00047-00555-00;(7
> APVMOT-00047-00555-00047-00555-00047-00555-00047-00555-00047
> -00365-11869-02810-03884-04640-0506APYITR207898-0010-09528N
> -10000-11745-12307-13712-14603-15937-16432217381(,17011-19055
> -20484-21807-22900-23896-24612-25056-26797-27881-20000-2966MA
>
> To me although this might be fun, but looks like garbled rubbish. I say this because although *some* of the info is framed properly with rows 1-5 looking not too bad and row 6 missing altogether!
>
> I'd respectfully suggest two 'rules' you should apply to your Sodoku data.
>
> 1)If you don't copy all the rows then you should discard that frame.
> and ... much more importantly,
> 2) if the last value in a frame is not 649, 650 or 651, the data are unreliable.
>
> The reason for this is simple. The last value in each frame should always end in 6 plus 49, 50 or 51 because that represents an acceptable analogue to digital converter reference voltage, absolutely *essential* for the sending of acceptable telemetry data. Without enough power to provide the A/D with it's proper reference voltage, all data is meaningless.
>
> Satellite Sodoku... I have to say, what a grand game :-)
>
> Should you copy any frames that *do* end in 651, I'd be most interested to hear from you, as would John, LA2QAA.

>
> The information in Nader's transcript *does* prove that the clock, counters and shift register etc are all working correctly, otherwise you would not get the line numbers being sent... and in correct sequence. You can infer a lot from even bad data :-)
>
> UoSAT2 used a similar system for it's telemetry downlink and it too seems to have died, or be be dying, in a similar type of way, sending framed telemetry block but devoid of data. CMOS is a hardy technology for space use. UoSAT2 is a somewhat more recent bird than AO7 and probably used modern buffered CMOS.
>
> There's a lot of fun and eduction to be had from studying 'old birds'... HIHI!
>
> 73 Al.
> GM1SXX
>

2341. No more Sodoku !

Yahoo group: eu-amsat
Date: 2009-03-04 18:41:47 UTC
From: st2nh
Topic: 2341 Message: 2341

Hi all

Still AO-7 satellite in mode-D pumps a very strong RTTY data.

The downlink frequency is 435.105 + - doppler usb.
Parameters 45 BAUD, 85 SHIFT.

AO-7 Teletype Equations Conversions table found on AMSAT NEWSLETTER 1974on page 9 there is a table for conversion the AO_7 teletype telemetery data .

Here is a link to this old copy

http://www.ka9q.net/AMSAT-Newsletter-1974.pdf

Mike DK3WN is working now on a new software to decode the RTTY.
This wll make the fun more easy to newbies and old timer.
tnx Mike.

Today I was able to decode the following data.
Orbit # 56,962
16:44 - 17:07 UTC

-01909-02588-03894-04870-05038-06904-07535-00000-09913-10000-11770-

12338-13710-14603-15937-16426-17398-10000-19146-20484-21909-22627-

23874-24878-25038-26885-27627-20000-29909-30000-31000-32000-33487-

34000-35229-36230-37220-30000-39253-40501-41912-42680-43840-44882-

45042-46921-47667-40000-4991h(WPPPP-51759-52325-53009-54000-55000-

56000-57000-50000-59851-00612-04057-00612-04057-00612-04057-00612-

04057-00612-04057-00612-04057-00612-04057-00612-04057-00612V-04057-

00367-01916-02723-03767-04874-05027-06908-07692-00000-09909-10000-

11764-12331-13711-14603-15936-16424-17396-10000-19145-20484-21910-

22713-23750-2487"(,"0! I-27747-20000-29907-30000-31000-32000-33483-

34000-35234-36234-37232-30000-39254-40501-41915-42790-43734-44882-

45018-46922-47803-40000-49920-50000-51766--55000-56000-57000-50000-

59850-00612-04057-00612-04057-00612-04057-00612-04057-00612-04057-

00612-04057-00612-04057-00612-04057-00612-04057-00612-040578,/1717-

02797-03632-04873-05018-06908-07848-00000-09909-10000-11769-12337-

13699-14603-15937-16409-17390-10000-19123-20484-21911-22796-23563-

24875-25018-26885-27844-280 .--5988-30000-31064-32000-33496-34000-

35234-36242-37249-30000-39255-40501-41915-42883-43625-44880-45017-

46921-7888-40000-4991

Snapshot

http://www.st2nh.com/AO-7RTTYBEACON482009.JPG/AO-7RTTYBEACON482009-full;init:.JPG

73's de Nader
www.st2nh.com

2342. AO-7 RTTY Telemetry Decoder

Yahoo group: eu-amsat
Date: 2009-03-04 21:05:56 UTC
From: st2nh
Topic: 2342 Message: 2342

HI,

Mike DK3WN just released AO-7 RTTY Telemetry Decoder BETA version
GREAT WORK Mike .

http://www.dk3wn.info/software.shtml

Zip version
http://www.dk3wn.info/files/ao7_rtty.zip

73 de Nader , st2nh
www.st2nh.com

2343. Information request.

Yahoo group: eu-amsat
Date: 2009-03-04 21:10:46 UTC
From: John Hackett
Topic: 2343 Message: 2343

I havn't operated 13cm since AO-13 threw in the towel.

Is the V/S mode of AO-51 popular in Europe ??.

What say Thomas ??.

I'd appreciate feedback from anyone in Europe using this mode.

(I'm looking for something to rejuvenate a flagging interest in
satellite operating).

73 John. <la2qaa@amsat.org>

2344. Re: AO-7 RTTY Telemetry Decoder

Yahoo group: eu-amsat
Date: 2009-03-04 22:30:40 UTC
From: st2nh
Topic: 2342 Message: 2344

Hi
to see the AO-7 RTTY Telemetry Decoder in action
used Alan's reseived RTTY data.
Here is a link to the file

http://www.st2nh.com/ao-7rtty.rar

snapshot
http://www.st2nh.com/ao-7decoder.JPG/ao-7decoder-full;init:.JPG

more info at
http://www.st2nh.com/ao-7

73
Nader , st2nh

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> HI,
>
> Mike DK3WN just released AO-7 RTTY Telemetry Decoder BETA version
> GREAT WORK Mike .
>
> http://www.dk3wn.info/software.shtml
>
> Zip version
> http://www.dk3wn.info/files/ao7_rtty.zip
>
> 73 de Nader , st2nh
> www.st2nh.com
>

2345. Re: [eu-amsat] Information request.

Yahoo group: eu-amsat
Date: 2009-03-05 00:33:43 UTC
From: SV1BSX
Topic: 2343 Message: 2345

Hi John,

well, I have worked just a few times the Mode-V/S on AO-51, twice by puting again my AO-40 / 2.4GHZ gear in my
Satellite-mast and once .... from my back-yard (...like an Arrow !) !

I remember that the downlink was excellent, really BOOMing - even if I used just my Patch-feeder, without the Dish
that I used for AO-40. But, the Doppler was quite sharp! However, it was not difficult to work the Sat by
using 5KHz step and manual-Doppler correction (+ - 50 KHz !).
Another point was the heavy Fading - even if I used Circular polarization.

The traffic, I remember that was quite low - depend on the day (and hour), but even quite low the Satellite
-under this situation- it's a 100% *real* Amateur Satellite, without the ZOO which happens usually on
Mode-J. Probably the majority of S-Band operators are from the AO-40's generation and they know much better
the.... Satellite-etiquette.

Personally I keep nowadays my 2.4 D/Converter "out of duty", in order to avoid the WX-corrosion and any possible
damage, as the V/S Mode on AO-51 is not very often "ON". Thus, I would like to protect my D/Converter
for the next ....HEO ! (...yes, I know, I Am a ... dreamer... !).

But definitely I suggest you to try it that. Always the 2.4 GHz Band is an excellent experience,
reminding to us the good old days of AO-40 (...and for some "old-men", the AO-13).

73 de Mak, SV1BSX

----- Original Message -----
From: John Hackett
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 04, 2009 11:10 PM
Subject: [eu-amsat] Information request.

I havn't operated 13cm since AO-13 threw in the towel.

Is the V/S mode of AO-51 popular in Europe ??.

What say Thomas ??.

I'd appreciate feedback from anyone in Europe using this mode.

(I'm looking for something to rejuvenate a flagging interest in satellite operating).

73 John. <la2qaa@...>

2346. RE: [eu-amsat] Information request.

Yahoo group: eu-amsat
Date: 2009-03-05 07:29:16 UTC
From: John Hackett
Topic: 2343 Message: 2346

Excellent !! Mak,
Precisely the information I was looking for, confirmation
that the satellite *DOES* in fact operate in mode-S over Europe.

As I mentioned, I've almost lost interest these last years due to the lack
of linear birds and the 'zoo' tactics on the FM ones ... typical !!! old man
'whinging' but the standard of operating really is getting worse and worse
... however, once a satellite operator always a satellite operator.

I have a few bits of homebrew S-band stuff lying around and noticed that
next week AO-51 is in V/S for a week and I was wondering whether I should
bother trying it, I needed confirmation that it does actually transmit on 13cm
over Europe.

I have fond memories of 'chasing' DOVE on 2.4G with manual tuning ... keeps
you busy ... he he he ... this was quite a while before they came up with CAT
tuning. Just using a down converter to an FT-290R ... (which is still in service)
Patch antennas were still - 'In the army' - in those days. I used them as a professional
but they were quite unknown in the 'amateur' world at the time.

Thanks Mak, just what I needed, have a good day mate,

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: sv1bsx@...
Date: Thu, 5 Mar 2009 02:33:43 +0200
Subject: Re: [eu-amsat] Information request.

Hi John,

well, I have worked just a few times the Mode-V/S on
AO-51, twice by puting again my AO-40 / 2.4GHZ gear in my
Satellite-mast and once .... from my back-yard
(...like an Arrow !) !

I remember that the downlink was excellent, really
BOOMing - even if I used just my Patch-feeder, without the Dish
that I used for AO-40. But, the Doppler was quite
sharp! However, it was not difficult to work the Sat by
using 5KHz step and manual-Doppler correction (+ - 50 KHz
!).
Another point was the heavy Fading - even if I used
Circular polarization.

The traffic, I remember that was quite low -
depend on the day (and hour), but even quite low the Satellite

-under this situation- it's a 100% *real*
Amateur Satellite, without the ZOO which happens usually on

Mode-J. Probably the majority of S-Band
operators are from the AO-40's generation and they know much better
the.... Satellite-etiquette.

Personally I keep nowadays my 2.4 D/Converter "out
of duty", in order to avoid the WX-corrosion and any possible
damage, as the V/S Mode on
AO-51 is not very often "ON". Thus, I would like to protect my
D/Converter
for the next ....HEO ! (
....yes, I know, I Am a ... dreamer... !).

But definitely I
suggest you to try it that. Always the
2.4 GHz Band is an excellent experience,
reminding to us the good old days
of AO-40 (...and for some "old-men", the
AO-13).

73 de Mak, SV1BSX

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Sent: Wednesday, March 04, 2009 11:10
PM
Subject: [eu-amsat] Information
request.

I havn't operated 13cm since AO-13 threw in the
towel.

Is the V/S mode of AO-51 popular in Europe ??.

What say
Thomas ??.

I'd appreciate feedback from anyone in Europe using this
mode.

(I'm looking for something to rejuvenate a flagging interest in

satellite operating).

73 John. <la2qaa@...>

2347. The AO-7 saga continues ...

Yahoo group: eu-amsat
Date: 2009-03-05 07:55:24 UTC
From: John Hackett
Topic: 2347 Message: 2347

A couple of AO-7 TLM spreadsheets are still on the old AMSAT-NA website
but the original RTTY decoding software has been removed ...

(for obvious reasons).

There isn't much point in people copying invalid data.

If one checks back in the archives, one will get a fairly good impression of
what went on with the command stations in the 2002 - 2005 timeframe

Lessons learned from when the AO-7 telemetery data was valid.

(Remember, these days it isn't).

When the 435.1 beacon is ON the MODE- B transponder is totally deaf.

When the MODE B transponder is ON, the MODE - A transponder is totally deaf.

GM1SXX has recently explained why.

73 John. <la2qaa@amsat.org>

2348. ... and continues ... (AO-7)

Yahoo group: eu-amsat
Date: 2009-03-05 09:11:46 UTC
From: John Hackett
Topic: 2348 Message: 2348

For those dedicated souls wishing to follow the events of AO-7 from
1974 to today.

1) Go to the 'new' Amsat-NA website.
2) Scroll to the bottom of the page.
3) Click on *Original Amsat website*
4) Scroll down until you come to the 'Google' search bar
5) Type in 'AO-7'

You now have access to lterally hundreds !!! of post and links dating
back to 1974. The persistent among you will probably figure out who Larry
Keyser was ... (The battery man) ... and who Dick Danials is ... though the
observant among ye' will note that he took the pictures that GM1SXX posted
yesterday. Dick was also on the design team so he *DOES* !!! know what
he's talking about.

Karl Meinzer's 'filter' is a story in itself. Those who really want to know can
contact me off list and I'll tell you a funny story.

Be aware that some of the posts on the bb are 'opinions' ... that is to say,
not necessarily correct ... but reading 10 or more on the same subject will
usually get you the gist of things.

Remember !!! ...

"Send reinforcements, we're going to advance"

When QSP'd by more than three amateurs usually becomes ...

"Send three and fourpence, we're going to a dance".

(So-called 'facts' very often change with the re-telling).

73 John. <la2qaa@...>

2349. Re: The AO-7 saga continues ...

Yahoo group: eu-amsat
Date: 2009-03-05 10:14:44 UTC
From: st2nh
Topic: 2347 Message: 2349

HI

Monitoring a vital signs for a patient who has been in coma for more than 20 years at the ICU is so valid and so interesting to all the medical practitioner or medical doctor around the word .for sure many vital sign well not be stable but as long as the patient is alive you need to check those vital sign and keep your eyes on any simple changes.

It is so interesting to be part of history and it is fun and education

No harm to monitoring old Mum (unstable) vital signs.
She needs TLC (tender love care)

73's
Nader , st2nh
www.st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> A couple of AO-7 TLM spreadsheets are still on the old AMSAT-NA website
> but the original RTTY decoding software has been removed ...
>
> (for obvious reasons).
>
> There isn't much point in people copying invalid data.
> 73 John. <la2qaa@...>
>

2350. One fact remains ... IMHO.

Yahoo group: eu-amsat
Date: 2009-03-05 11:01:41 UTC
From: John Hackett
Topic: 2347 Message: 2350

Nader,
I take your point, and agree to a certain extent (healthwise) but if
someone wants to copy invalid data, who am I to argue.

I think if you read GM1SXX's mails again you'd see why it's extreemly
unlikely AO-7 could recover for a second time but hey !!!!, we'd love to be
proved wrong.

The previous open circuiting, current panel degradation and consequent
'return' to semi operations was 'logical' at the time - but a new return to
an operational status regarding RTTY is IMHO highly unlikely ... for the reasons
stated previously ... but again, I love !!! it if we were wrong.

GM1SXX and myself spent enough time monitoring and analysing the sub
systems to be 'reasonably' sure ... yes, I said *reasonably* sure that we
wouldn't get a second reprieve ... unless a miracle happened ... (but that's
a debate for a different bulletin board).

For the above reason I decided *NOT* !!!! to send any commands to the satellite
after 2006. It was deemed too risky (as I explained yesterday).

It was better left alone because a batteryless semi operational satellite is better than no
satellite at all.

I was not sure how many amateurs would agree with that but took the chance that most of
them would.

For those following this thread ... to put it in layman's language ... sending a
command to AO-7 with the current state of the electronics 'could' switch the
satellite off altogether ... BECAUSE THE MODE-B AND MODE-A PARAMETERS
ARE INTERLEAVED ... in other words ... commanding mode-A would switch off
mode-B and vice - versa.

If you do read happen to read GM1SXX's posts again and digest them,

I'm sure you'll understand why we came to the conclusion we did.

Like I said ... I see no harm in monitoring a patient that is deemed dead.

One could of course monitor invalid data to practice 'monitoring' ... but other
than that, I personally, fail to see the point ... which is *NOT* to say they
shouldn't do it if they wish.

By all means decode the telemetry and if you find results I didn't, I'll be the
first !!!! man to stand up and say *I WAS WRONG* ... and I'm pretty sure
GM1SXX will be the second.

As for AO-7 mode-A versus mode-B, that's the way it was designed ...

DON'T SHOOT THE MESSENGER !!!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@yahoo.com
Date: Thu, 5 Mar 2009 10:14:44 +0000
Subject: [eu-amsat] Re: The AO-7 saga continues ...

HI

Monitoring a vital signs for a patient who has been in coma for more than 20 years at the ICU is so valid and so interesting to all the medical practitioner or medical doctor around the word .for sure many vital sign well not be stable but as long as the patient is alive you need to check those vital sign and keep your eyes on any simple changes.

It is so interesting to be part of history and it is fun and education

No harm to monitoring old Mum (unstable) vital signs.

She needs TLC (tender love care)

73's

Nader , st2nh

www.st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> A couple of AO-7 TLM spreadsheets are still on the old AMSAT-NA website

> but the original RTTY decoding software has been removed ...

>

> (for obvious reasons).

>

> There isn't much point in people copying invalid data.

> 73 John. <la2qaa@...>

>

2351. Re: The AO-7 saga continues ...

Yahoo group: eu-amsat
Date: 2009-03-05 11:11:22 UTC
From: Allan Copland
Topic: 2347 Message: 2351

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
> HI
>
> Monitoring a vital signs for a patient who has been in coma for more than 20 years at the ICU is so valid and so interesting to all the medical practitioner or medical doctor around the word .for sure many vital sign well not be stable but as long as the patient is alive you need to check those vital sign and keep your eyes on any simple changes.

Well I had plannned to 'keep mum' about this matter (of AO7 being in a deep coma).... and while satellite Sodoku might be lots of fun, the 'patient' is 'brain dead', so no amount of wishful thinking, work writing software, or effort in decoding is really justified without seeing that last vital sign.... the one that reads 649, 650 or 651.

AO7 is brain ded, but of course *should* she emit a few 649,650 or 651's then I'd be very interested indeed. Until then' she is best considered to be in a 'Persistent Vegetative State'.

If you don't know why those particular numeric values are important, go do some proper research. As John pointed out, there is a wealth of archived material awaiting your perusal.

Unlike a human patient with a terminal illness, A07 could in theory at least,come back from the dead. It depends to a huge extent on the supply bus voltage.

I do honestly believe that many of AO7's systems are capable of proper functioning given enough voltage and therein lies the problem.... t'aint enough.

Take a look at UoSAT2 and her parallel with AO7. Same general scenario... she was sending 'perfectly good' telemetry frames but with no data... or garbage data .. contained in them. UoSAT2 *did* have a CPU, but the telemetry system was *not* CPU controllled. Instead it was hardwired from CMOS, pretty much like AO7 but a more modern variant.

For those old enough to remember, the Russian bird RS-1 played a similar trick, for similar reasons!

Kind Regards,
Al.
GM1SXX

2352. Forgot !!!.

Yahoo group: eu-amsat
Date: 2009-03-05 11:11:43 UTC
From: John Hackett
Topic: 2352 Message: 2352

By the way Nader,
I forgot to mention, I sent you the original AO-7 RTTY decoder equations the day you asked for them ... (look the message) ... but I saw that Yahoo had, in it's wisdom blocked the attachements.

Perhaps I should have put them in the FILES menu ... but since Mike already did that I didn't bother.

The point? ... if anybody needs anything, the chances are somebody! on this reflector will have it ... which is one of the reasons why we started it in the first place ... so if you need anything folks, don't be shy ... *SHOUT* !!!!!.

73 John. <la2qaa@...>

2353. Re: The AO-7 saga continues ...

Yahoo group: eu-amsat
Date: 2009-03-05 11:46:01 UTC
From: st2nh
Topic: 2347 Message: 2353

Good Day gentelmen
So interesting and thanks for all info.

Allan GE OM

SO we need a nurse to keep monitoring the vital sign specially 649, 650 or 651.!!
And here we are doing this with TLC.

73's with respect and love
Nader st2nh

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:

>
> without seeing that last vital sign.... the one that reads 649, 650 or 651.

>
>
> Kind Regards,
> Al.
> GM1SXX
>

2354. Re: Forgot !!!.

Yahoo group: eu-amsat
Date: 2009-03-05 11:52:47 UTC
From: st2nh
Topic: 2352 Message: 2354

Thanks John

yes yahoo door keeper cut out all attachements.
thanks again OM.

And yes please put a copy at the files menu.
I really appreciate your help

73's Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> By the way Nader,
> I forgot to mention, I sent you the original AO-7 RTTY decoder
> equations the day you asked for them ... (look the message) ... but I saw that
> Yahoo had, in it's wisdom blocked the attachements.
>
> Perhaps I should have put them in the FILES menu ... but since Mike already did
> that I didn't bother.
>
> The point? ... if anybody needs anything, the chances are somebody! on this
> reflector will have it ... which is one of the reasons why we started it in the first
> place ... so if you need anything folks, don't be shy ... *SHOUT* !!!!!.
>
> 73 John. <la2qaa@...>
>

2355. Re: Information request.

Yahoo group: eu-amsat
Date: 2009-03-05 20:32:55 UTC
From: dl5rdi
Topic: 2343 Message: 2355

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> I havn't operated 13cm since AO-13 threw in the towel.
>
> Is the V/S mode of AO-51 popular in Europe ??.
>
> What say Thomas ??.
>
> I'd appreciate feedback from anyone in Europe using this mode.
>
> (I'm looking for something to rejuvenate a flagging interest in
> satellite operating).
>
> 73 John. <la2qaa@...>
>

Hello,

I have not worked AO51 in V/S mode yet, but my old equipment is still here so I have the possiblity to work. But - like mentined here before - this mode is very very seldom in use (unfortunately).
Concerning the disciplin end behavior you can see a big "improvement" even in mode L/U (which is activated also not very often :-( )

73 and hope to meet you on the LEOs

P.s. I still look for more transatlantic contacts from JN58xx....
Who is QRV to try via AO7 or FO-29 (perhaps to "crack" the current ODX ;-)))

73 de Johannes (John) DL5RDI

2356. AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-06 21:49:24 UTC
From: st2nh
Topic: 2356 Message: 2356

Hi

AO-7 RTTY TLM Beacon
06 March 2009
16:37 - 17:00 UTC
Orbit #56.987
The downlink frequency is 435.105 + - doppler
Parameters 45 BAUD, 85 SHIFT.

-00366-01899-02609-03895-04875-05054-06891-07620-00000-09913

-10000-11769-12336-13710-14603-15937-16424-17397-10000-19147

-20484-21899-22596-23903-24719-25021-26883-27600-20000-29909

-30000-31000-32000-33499-34000-35233-36229-37217-30000-39253

-40501-41912-42640-43882-44883-45060-46917-47562-40000-49921

-50000-51765-52323-53009-54000-55000-56000-57000-50000-59848

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00366-01915-02698-03786-04874-05038-06909-07714-00000-09913

-10000-11769-12337-13709-14603-15937-16432-17401-10000-19134

-20483-21909-22715-23764-24873-25021-26883-27727-20000-29908

-30000-31000-32000-33490-34000-35233-36231-37226-30000-39254

-40501-41914-42776-43743-44879-45016-46918-47674-40000-49918

-50000-51762-52323-53009-54000-55000-56000-57000-50000-59851

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00366-01916-02791-03649-04874-05017-06909-07801-00000-09912

-10000-11768-12336-13711-14603-15937-16425-17398-10000-19125

-20484-21911-22819-23655-24874-25017-26888-27824-20000-29902

-30000-31006-32000-33483-34000-35234-36239-37243-30000-39256

-40501-41915-42829-43640-44876-45017-46923-47827-40000-49918

-50000-51748-52265-53009-54000-55000-56000-57000-50000-59849

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

-00366-01913-02844-03539-04829-05017-06909-07801-00000-09912

-10000-11660-12230-13641-14603-15934-16400-17394-10000-19147

-20484-21913-22901-23576-24803-25029-26887-27883-20000-29805

-30000-31103-32000-33495-34000-$5235-36249-37261-30000-39256

-40501-41915-42907-43619-44747-45023-46921-47913-40000-49799

73's
Nader , st2nh
www.st2nh.com

2357. AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-07 12:19:07 UTC
From: SV1BSX
Topic: 2357 Message: 2357

Hello all

just before 5 mins I had a QSO with OZ1MY on AO-27 - after a long-long time - where the Satellite
was dead.
The AO-27 sounds again just fine, with Booming signal.

Bad news: the "usual" terrible jamming from some Arabian countries, sometimes
makes difficult the access.

Have a nice weekend.

73, Mak SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2358. Re: [eu-amsat] AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-07 12:46:37 UTC
From: Thomas Frey
Topic: 2356 Message: 2358

st2nh schrieb:
> Hi
>
> AO-7 RTTY TLM Beacon
> 06 March 2009
> 16:37 - 17:00 UTC
> Orbit #56.987
> The downlink frequency is 435.105 + - doppler
> Parameters 45 BAUD, 85 SHIFT.
>
>
> -00366-01899-02609-03895-04875-05054-06891-07620-00000-09913
>
> -10000-11769-12336-13710-14603-15937-16424-17397-10000-19147
>
> -20484-21899-22596-23903-24719-25021-26883-27600-20000-29909
>
> -30000-31000-32000-33499-34000-35233-36229-37217-30000-39253
>
> -40501-41912-42640-43882-44883-45060-46917-47562-40000-49921
>
> -50000-51765-52323-53009-54000-55000-56000-57000-50000-59848
>
> -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047
>
> -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047
>
> -00366-01915-02698-03786-04874-05038-06909-07714-00000-09913
>
>
>

Hello all

In this TLM-block I can see a few 650-values. Is this block valid
now ? What does the experts say ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2359. AO-7 RTTY TLM Beacon comment.

Yahoo group: eu-amsat
Date: 2009-03-07 14:39:13 UTC
From: John Hackett
Topic: 2356 Message: 2359

Hello Thomas,
According to W3EGYm Jan King, AO-7's chief designer and
project manager - in an e-mail to myself and GM1SXX a few years ago ...

(Quote)

"If the CW blocks end in either 649, 650 0r 651, the data can be assumed to
be valid and correct"

(End of quote).

Whether that also applies to the RTTY data Thomas, I really don't know though
I assume it does.

GM1SXX has already explained how/why - in detail several days ago.

As LA2QAA (that's me !!! folks) mentioned, if the beacon continues to transmit
valid data he'd (I'd) be the first to admit I'm wrong and presumably, GM1SXX
would be the second.

However, let it be known ... (Oyez, Oyez, Oyez) ... when we were collecting
data the CW beacon was spitting out 92% rubbish (invalid data) with the
occasional 'correct' block among the invalid ones, just to make life interesting.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 7 Mar 2009 13:46:37 +0100
Subject: Re: [eu-amsat] AO-7 RTTY TLM Beacon

st2nh schrieb:

> Hi

>

> AO-7 RTTY TLM Beacon

> 06 March 2009

> 16:37 - 17:00 UTC

> Orbit #56.987

> The downlink frequency is 435.105 + - doppler

> Parameters 45 BAUD, 85 SHIFT.

>

>

> -00366-01899-02609-03895-04875-05054-06891-07620-00000-09913

>

> -10000-11769-12336-13710-14603-15937-16424-17397-10000-19147

>

> -20484-21899-22596-23903-24719-25021-26883-27600-20000-29909

>

> -30000-31000-32000-33499-34000-35233-36229-37217-30000-39253

>

> -40501-41912-42640-43882-44883-45060-46917-47562-40000-49921

>

> -50000-51765-52323-53009-54000-55000-56000-57000-50000-59848

>

> -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

>

> -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047

>

> -00366-01915-02698-03786-04874-05038-06909-07714-00000-09913

>

>

>

Hello all

In this TLM-block I can see a few 650-values. Is this block valid

now ? What does the experts say ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2360. PS Thomas

Yahoo group: eu-amsat
Date: 2009-03-07 14:44:55 UTC
From: John Hackett
Topic: 2360 Message: 2360

My answer to your mail wasn't very helpful Thomas, but those were
the facts as of 2003/2004/2005.

Since over 90% of the data was deemed invalid Thomas, I didn't keep it.

73 John. <la2qaa@...>

2361. AO-27

Yahoo group: eu-amsat
Date: 2009-03-07 15:40:40 UTC
From: John Hackett
Topic: 355 Message: 2361

As at 15:30Z 07-March-2009 AO-27, though fully operational, is not even listed on Amsat-NA's satellite status page.

Is this because there are so few volunteers to help out ... ir did 'we' just foget this old plodder?.

73 John. <la2qaa@...>

2362. Re: AO-27

Yahoo group: eu-amsat
Date: 2009-03-07 15:53:13 UTC
From: Igor
Topic: 355 Message: 2362

Thank's for information dear friends!
AO27 signals is strong and clear. Have first QSO today, EB8AYA in IL18CQ. More than 5000km :)

73, Igor, RW3XL

2363. Re: [eu-amsat] AO-27

Yahoo group: eu-amsat
Date: 2009-03-07 16:12:32 UTC
From: Thomas Frey
Topic: 355 Message: 2363

John Hackett schrieb:
> As at 15:30Z 07-March-2009 AO-27, though fully operational, is not
> even listed
> on Amsat-NA's satellite status page.
>
> Is this because there are so few volunteers to help out ... ir did
> 'we' just
> foget this old plodder?.
>
> 73 John. <la2qaa@...>
>

Yes John, you hit the nail on the head. You can forget this AMSAT status sites. Look here instead: http://oscar.dcarr.org/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2364. Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-07 16:37:09 UTC
From: Allan Copland
Topic: 2356 Message: 2364

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> st2nh schrieb:
> > Hi
> >
> > AO-7 RTTY TLM Beacon
> > 06 March 2009
> > 16:37 - 17:00 UTC
> > Orbit #56.987
> > The downlink frequency is 435.105 + - doppler
> > Parameters 45 BAUD, 85 SHIFT.
> >
> >
> > -00366-01899-02609-03895-04875-05054-06891-07620-00000-09913
> >
> > -10000-11769-12336-13710-14603-15937-16424-17397-10000-19147
> >
> > -20484-21899-22596-23903-24719-25021-26883-27600-20000-29909
> >
> > -30000-31000-32000-33499-34000-35233-36229-37217-30000-39253
> >
> > -40501-41912-42640-43882-44883-45060-46917-47562-40000-49921
> >
> > -50000-51765-52323-53009-54000-55000-56000-57000-50000-59848
> >
> > -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047
> >
> > -00650-02047-00650-02047-00650-02047-00650-02047-00650-02047
> >
> > -00366-01915-02698-03786-04874-05038-06909-07714-00000-09913
> >
> >
> >
>
> Hello all
>
> In this TLM-block I can see a few 650-values. Is this block valid
> now ? What does the experts say ?

Guys! This question has already been answered, several times.

I'm not an expert,but both John LA2QAA and myself spent a lot of time doing serious study of past telemetry from this bird. There are still extensive notes, photos and other stuff available on AO7 for those with a genuine interest. I won't repeat what others have already said and /or posted on this BB.

Jan King and Karl Meinzer are the experts, for AO7 at least, but according to the published data (freely available but ignored by almost everyone) , the data above is complete garbage.

FACT
You should be looking for 649, 650 or 651 as the last value of each data frame. I've already explained why, and for those who bother to read postings on this BB, it should be obvious what is garbage data and what is not. The links to anything needed have already been posted here. I can't understand why there is still speculation and / or confusion about what is valid data or otherwise.

I've already posted a link on this reflector, to a transcript of a three way email QSO between myself, John and Jan King on this matter. It's on this reflector for all to read. You can read the chief designer's words there, should you not believe either myself, LA2QAA or the wealth of data published elsewhere.

For those who don't know or are not old enough, Jan King was the chief designer of AO7.

What I'm seeing posted here, re AO7 TLM, while it may be fun for some, is just garbage generated by the telemetry system clock and data multiplexer circuitry.

UoSAT2 performed a similar trick (I strongly suspect for similar reasons). I suspect that in the past, RS-1 with it's 50155's was doing exactly the same.

Do remember that AO7 has no CPU. The telemetry system, just like that on UoSAT2 was hardwired from first generation CMOS logic. Feed it just enough voltage, and it will 'wake up' and send gobbledygook! This doesn't indicate a working telemetry system.

73 Al.
PS Expert, definition of ... one who is brought in from an outside agency, has travelled 50 miles or more, and is equipped with a briefcase.
I believe there are a few other definitions also doing the rounds :-)

2365. AO-27 schedule

Yahoo group: eu-amsat
Date: 2009-03-07 16:57:38 UTC
From: John Hackett
Topic: 355 Message: 2365

Thanks Thomas,
I've been using D. Carr's page to get updated information
for quite some time now. The Amsat-NA page always seems to be in arrears.

The last time I mentioned it I was told it was because there wern't enough
volunteers to maintain an 'updated' site.

D. Carr's site is proof of the contrary.

All you need do is give the opening key to three trusted personell ... if one
doesn't catch the pertinent information ... another one will.

That's how we run EU-Amsat and it appears to work just fine.

AO-27.

By the way Igor & gang ... privet, AO-27 is never switched on or is never in analogue mode
over Norway ... at least it hasn't been since 1998 and the
current schedule which I just worked out says it's no good for my particular
QTH for the forseeable future.

That's why you don't bump into LA stations every 10Khz on LEO satellites.

AO-51 and VO-52 for 'curiosity' value ... 1 x QSO and that's it ... which explains
the lack of interest in LA for satellites. AO-7 and FO-29 are the only viable options.

The ISS (and AO-27) are non-starters for we over 60 degrees north.

Dew once mention ... "but you have 2 degrees elevation to the ISS" ... he forgot about the
mountains ... they're *NOT* RF transparent at 145Mhz ... though I have used them as passive
TX reflectors at UHF ... as well as utilising them for knife-edge propagation on RX ...
(AO-7) with PH7PCF.

We also tried a bit of PSK31 and SSTV a couple of years ago so I expect that will be the
next 'fashion' on AO-7.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 7 Mar 2009 17:12:32 +0100
Subject: Re: [eu-amsat] AO-27

John Hackett schrieb:

> As at 15:30Z 07-March-2009 AO-27, though fully operational, is not

> even listed

> on Amsat-NA's satellite status page.

>

> Is this because there are so few volunteers to help out ... ir did

> 'we' just

> foget this old plodder?.

>

> 73 John. <la2qaa@...>

>

Yes John, you hit the nail on the head. You can forget this AMSAT

status sites. Look here instead: http://oscar.dcarr.org/

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2366. Re: AO-27 schedule

Yahoo group: eu-amsat
Date: 2009-03-07 17:12:17 UTC
From: Igor
Topic: 355 Message: 2366

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> AO-27.
>
> By the way Igor & gang ... privet, AO-27 is never switched on or is never in analogue mode over Norway ... at least it hasn't been since 1998 and the
> current schedule which I just worked out says it's no good for my particular
> QTH for the forseeable future.
>
> That's why you don't bump into LA stations every 10Khz on LEO satellites.

)))
May be a little turn our planet? Then everything QSO is possible :)

>
> AO-51 and VO-52 for 'curiosity' value ... 1 x QSO and that's it ... which explains
> the lack of interest in LA for satellites. AO-7 and FO-29 are the only viable options.
>
> The ISS (and AO-27) are non-starters for we over 60 degrees north.
>
> Dew once mention ... "but you have 2 degrees elevation to the ISS" ... he forgot about the mountains ... they're *NOT* RF transparent at 145Mhz ... though I have used them as passive TX reflectors at UHF ... as well as utilising them for knife-edge propagation on RX ... (AO-7) with PH7PCF.

AO51 vs SO50 looks like a ZOO time to time.
What about ISS.. In my town placed a State Museum of Cosmonautics (first in the WorldWide!!!), when have many space exhibits, like ISS copy and other.. but, No mountains in my town :)))

> We also tried a bit of PSK31 and SSTV a couple of years ago so I expect that will be the next 'fashion' on AO-7.
>
> 73 John. <la2qaa@...>

2367. RE: [eu-amsat] Re: AO-27 schedule

Yahoo group: eu-amsat
Date: 2009-03-07 17:32:31 UTC
From: John Hackett
Topic: 355 Message: 2367

Privet !!! Igor,
Yes, I certainly miss the CW QSO's.

I still have my gear but only with an indoor ARROW aerial but I *WILL* connect
it up again and get back on AO-7.

Remember !!! ... I'll be QRPp so I'll be in competition with the swishers and tuners.

Also ... the ARROW only has 3 elements on 2m so I'll be *DEAF* !!! ... he he he
but those with ears will hear my *SUPER* 2w on TX ... (7 elements).

(I proved this system works with F2IL).

I'll be on my old stamping ground of 145.940 RX +/- doppler from about Tuesday/Wednesday
next week.

Those working Frei Island (me) on IOTA EU-36 will receive the special
commemorative AO-7 anniversary QSL.

CW only - since 2w on an indoor aerial doesn't lend itself very well to
SSB on AO-7.

Also ... Mode-B only, at least until I can work up enough energy to throw a
wire for 10m out of the window.

I'll be listening for you Igor.

Alex still sends an e-mail from time to time but we're still looking for input
for 'Observations from Russia'. Don't forget, you can tell me what you're doing these days
and I'll edit it for you before posting it to <http://www.observations.biz>
Likewise, your radio friends/local club news.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@yandex.ru
Date: Sat, 7 Mar 2009 17:12:17 +0000
Subject: [eu-amsat] Re: AO-27 schedule

--- In eu-amsat@...m, John Hackett <archie.hackett@...> wrote:

> AO-27.

>

> By the way Igor & gang ... privet, AO-27 is never switched on or is never in analogue
mode over Norway ... at least it hasn't been since 1998 and the

> current schedule which I just worked out says it's no good for my particular

> QTH for the forseeable future.

>

> That's why you don't bump into LA stations every 10Khz on LEO satellites.

)))

May be a little turn our planet? Then everything QSO is possible :)

>

> AO-51 and VO-52 for 'curiosity' value ... 1 x QSO and that's it ... which explains

> the lack of interest in LA for satellites. AO-7 and FO-29 are the only viable options.

>

> The ISS (and AO-27) are non-starters for we over 60 degrees north.

>

> Dew once mention ... "but you have 2 degrees elevation to the ISS" ... he forgot about the mountains ... they're *NOT* RF transparent at 145Mhz ... though I have used them as passive TX reflectors at UHF ... as well as utilising them for knife-edge propagation on RX ... (AO-7) with PH7PCF.

AO51 vs SO50 looks like a ZOO time to time.

What about ISS.. In my town placed a State Museum of Cosmonautics (first in the WorldWide!!!), when have many space exhibits, like ISS copy and other.. but, No mountains in my town :)))

> We also tried a bit of PSK31 and SSTV a couple of years ago so I expect that will be the next 'fashion' on AO-7.

>

> 73 John. <la2qaa@...>

2368. Re: [eu-amsat] Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-07 19:11:38 UTC
From: Thomas Frey
Topic: 2356 Message: 2368

Allan Copland schrieb:
>
>
> Guys! This question has already been answered, several times.
>
>

OK OK Al, I understand. It's garbage and it will ever be garbage.

If you never tell a question, you will never get an answer.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2369. Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-07 21:03:39 UTC
From: st2nh
Topic: 2356 Message: 2369

Hello all

Thanks John for the lovely nice Email.
Really it is so interesting to have all this discussion.

This time I did some of my home work! I have read all
the emails at :-
http://www.observations.biz/AO7_Stuff/

Thanks for release and posting those precious information to all ham community.

But as a student for sure I have few Questions:-

I noticed nothing mention in all emails about Mode-D or the RTTY TLM?

Is RTTY TLM is a new event to AO-7 after awoke from the dead in 2002?

When and who the first Ham detect the return of RTTY TLM?

Dose any one study RTTY TLM after the return in of AO -7 in 2002?

73's
Nader, st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Allan Copland schrieb:
> >
> >
> > Guys! This question has already been answered, several times.
> >
> >
>
> OK OK Al, I understand. It's garbage and it will ever be garbage.
>
> If you never tell a question, you will never get an answer.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2370. RE: [eu-amsat] Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-08 09:09:03 UTC
From: John Hackett
Topic: 2356 Message: 2370

Nader and the group,
I'll try to answer your questions as best I can but
in effect, I 'retired' myself from AO-7 activities a year ago.

After the first unexpected awakening, the RTTY beacon was non-operational
so to the best of my knowledge there is no RTTY data from the first awakening
in 2002 until just last week.

Who was the first to notice the RTTY beacon was operational? ... since I
'retired' I didn't notice but it will be in the Amsat-bb atchives.

Who was the first to copy the RTTY beacon? ... I believe you Nader.

I must admit, since the discussion started I *HAVE* been following the thread
and am even considering coming out of retirement he he he.

Such a pity the electronics are not 100% but remember ... AO-7 has set
MANY records and as GM1SXX has said ... the old girl can still
throw a few 'surprises' at us ... that's why I'm considering ending my 'retirement'.

For thos copying the La2qaa flea power, please note this time I'll be using an Arrow
indoor aerial in a ground floor flat (!!!) ... do I'll be DEAF !!!!.

Why? ...

1) I'm too lazy to put my satellite beams back up.

2) I've been a QRP'er for 42 years.

3) I want to show the potential newcomer that an 80w BRICK and 10 elements is
NOT necessary to work AO-7.

POINT TO PONDER.

Keeping the power low will prolong the satellite's life ... THINK ABOUT IT.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 7 Mar 2009 21:03:39 +0000
Subject: [eu-amsat] Re: AO-7 RTTY TLM Beacon

Hello all

Thanks John for the lovely nice Email.

Really it is so interesting to have all this discussion.

This time I did some of my home work! I have read all

the emails at :-

http://www.observations.biz/AO7_Stuff/

Thanks for release and posting those precious information to all ham community.

But as a student for sure I have few Questions:-

I noticed nothing mention in all emails about Mode-D or the RTTY TLM?

Is RTTY TLM is a new event to AO-7 after awoke from the dead in 2002?

When and who the first Ham detect the return of RTTY TLM?

Dose any one study RTTY TLM after the return in of AO -7 in 2002?

73's

Nader, st2nh

www.st2nh.com

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>

> Allan Copland schrieb:

> >

> >

> > Guys! This question has already been answered, several times.

> >

> >

>

> OK OK Al, I understand. It's garbage and it will ever be garbage.

>

> If you never tell a question, you will never get an answer.

>

>

>

> Mit freundlichen Grüssen, Regards, 73

> Thomas Frey, HB9SKA

> _____

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

> http://home.datacomm.ch/th.frey/

>

2371. Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-08 13:44:17 UTC
From: Allan Copland
Topic: 2356 Message: 2371

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hello all
>
> Thanks John for the lovely nice Email.
> Really it is so interesting to have all this discussion.
>
>
> This time I did some of my home work! I have read all
> the emails at :-
> http://www.observations.biz/AO7_Stuff/
>
> Thanks for release and posting those precious information to all ham community.
> But as a student for sure I have few Questions:-
> I noticed nothing mention in all emails about Mode-D or the RTTY TLM?
> Is RTTY TLM is a new event to AO-7 after awoke from the dead in 2002?
>
> When and who the first Ham detect the return of RTTY TLM?
>
> Dose any one study RTTY TLM after the return in of AO -7 in 2002?
>

Hi,

My apologies in advance for replying to an email addressed to LA2QAA but since we worked as a team on decoding AO7 telemetry and trying to make sense of it, hopefully I can answer at least part of the question. At the time we worked on the AO7 data, it *was* sending some frames ending in acceptable values.

We never copied any RTTY telemetry, only CW.

Ao7 was designed to send either CW or RTTY telemetry data. The choice was determined by ground command (command uplink). AO7 has a telecommand system like most other birds. It's details are beyond the scope of a simple email but it *is* just feasible (but very unlikely) that AO7 could have been flipped into RTTY Telemetry mode by accidental triggering from a ground based signal.

As I say, it's theoretically possible..... but **very** unlikely:-)

I have no idea of whether latching relays on non-latching types were used in the RTTY/CW telemetry switching. Hopefully someone else can answer that.

IF (and only if), latching relays were used, it's likely that AO7 is now 'stuck' in RTTY mode for good.

IF (as is likely) common non-latching types were used, the bird will probably revert back to CW telemetry the first time it experiences an eclipse (and no power to hold the relay

closed).

For sure the telemetry system is sending garbage, but you can sometimes learn a bit, even from garbage. You won't learn anything from the data... it's garbage after all, but you can look at what 'frames' the data.. the clock and multiplexer.
If the frame sequence is correct, then the clock and multiplexer (latches and shift registers) obviously works.

The A/D converter cannot function without a valid voltage reference... hence the 649/650/651 business. No reference = garbage out.

I'm sure AO7 has a few tricks up her sleeve yet, but I don't think that good telemetry data is one of them.

The matter of latching or non-latching relays is important. Latching relays retain the last state they were in when power fails. Non-latching relays have a default state ... when the power quits, they 'drop out'.
As best I know, only areas of the power system aboard AO7 used latching relays. *IF* this is indeed the case, AO7 will probably revert back to CW telemetry as soon as it hits an eclipse.

AO7 is in a rather hostile orbit for radiation dose. This is in large part why it is unlikely to 'come back' and produce good telemetry.
The solar panels are protected by glass cover-slides. The glass slides are being dosed by strong radiation that damages their surface, darkening the glass and reducing their power output as a function of time. The output of any solar generator decreases with time over the life of the bird. Digital electronics expects to 'see' a minimum voltage on it's supply lines below which it becomes erratic and unreliable. With so little power now available, this is the reason why the transponder FM's and why the telemetry system sends rubbish.

As to who picked up the RTTY telemtry first... sorry, I don't know. perhaps the AMSAT-BB might yield a clue.

I just hope that AO7 can continue to work as a QRP daylight only bird for those who appreciate and value her useful contribution. It makes a pleasant change from some other things I won't mention.

73 Al.
GM1SXX

2372. Re: [eu-amsat] Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-08 16:14:30 UTC
From: Thomas Frey
Topic: 2356 Message: 2372

Allan Copland schrieb:
>
> Ao7 was designed to send either CW or RTTY telemetry data. The choice was determined by ground command (command uplink). AO7 has a telecommand system like most other birds. It's details are beyond the scope of a simple email but it *is* just feasible (but very unlikely) that AO7 could have been flipped into RTTY Telemetry mode by accidental triggering from a ground based signal.
>
> As I say, it's theoretically possible..... but **very** unlikely:-)
>
> I have no idea of whether latching relays on non-latching types were used in the RTTY/CW telemetry switching. Hopefully someone else can answer that.
>

Hello Al, eventually Mike, N1JEZ ?

AMSAT News Service Bulletin 067.04
From AMSAT HQ SILVER SPRING, MD.
March 1, 2009
To All RADIO AMATEURS
BID: $ANS-067.04

AO-7 UHF Beacon Activates RTTY Telemetry

The AO-7 UHF Beacon at 435.100 MHz has been reported as becoming operational. Satellite telemetry in RTTY format is being copied. The AO-7 70-cm beacon was monitored with very strong signals during February 28 passes and also since then. Some reported the beacon initially sounded as if it was in a two-state mode that sounded a bit like RTTY in idle. Successful RTTY decodes have been accomplished using "reverse, 45, 85" parameters.

AO-7 Command Operator, Mike, N1JEZ says, "This is a pretty significant development. Every time I've tried to activate the RTTY system, all I would get is a solid carrier then the bird has reset indicating a lack of power."

[ANS thanks Mike, N1JEZ for the above information]

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2373. Re: AO-7 RTTY TLM Beacon

Yahoo group: eu-amsat
Date: 2009-03-08 16:55:26 UTC
From: Allan Copland
Topic: 2356 Message: 2373

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Allan Copland schrieb:
> >
> > Ao7 was designed to send either CW or RTTY telemetry data. The choice was determined by ground command (command uplink). AO7 has a telecommand system like most other birds. It's details are beyond the scope of a simple email but it *is* just feasible (but very unlikely) that AO7 could have been flipped into RTTY Telemetry mode by accidental triggering from a ground based signal.
> >

and I missed this important snippet of info ..... just posted as a nice reminder....

AO-7 Command Operator, Mike, N1JEZ says, "This is a pretty significant development. Every time I've tried to activate the RTTY system, all I would get is a solid carrier then the bird has reset indicating a lack of power." *

If this is the case, AO7 should 'fall out' of RTTY mode the first time it see an eclipse.

Time will tell.

Mike's comments also suggest that at the moment, the power situation onboard AO7 is at least favourable enough to hold the relay coil activated and the relay contacts closed in favour of RTTY over CW.

There's nothing at all new here.... I'm just adding 2+2 and getting err... ummm, four! Should be interesting when it hits eclipse. If I'm right, and my 2+2=4, it'll go to CW. If I'm wrong, it'll stay in RTTY ... and prove that I'm wrong and that a latching relay was used in the command system.

The reality for AO7 doesn't alway fit the published 'facts'. Some changes were made to the flight hardware AFTER the drwaings were completed, usually for practical reasons .... like the CMOS R/C timer instead of the published Xtal one. John LA2QAA discovered this by applying his grey matter to the observed facts, and not by following the party line. Jan confirmed the use of an R/C timer... but it was obvious anyway by the drift in the measurement of the switching times.

73 Al.
GM1SXX

2374. Re: AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-08 20:40:14 UTC
From: st2nh
Topic: 2357 Message: 2374

Hi Mak & all

Yes ao-27 in good condition ,I had two QSO today with YO9GJX and
SP7TEC , heard F1UGK qso with SP7TEC.

welcome back AO-27 .

Nader , st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hello all
>
> just before 5 mins I had a QSO with OZ1MY on AO-27 - after a long-long time - where the
Satellite
> was dead.
> The AO-27 sounds again just fine, with Booming signal.
>
> Bad news: the "usual" terrible jamming from some Arabian countries, sometimes
> makes difficult the access.
>
> Have a nice weekend.
>
> 73, Mak SV1BSX
>
>
>
>
> Email: sv1bsx "AT" yahoo .gr
> URL : http://sv1bsx.50webs.com
>

2375. Re: AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-08 20:57:08 UTC
From: st2nh
Topic: 2357 Message: 2375

Hi Mak & all

Yes this is a sad fact Mak .really very sad .

I and many other hams keeping on posting advice and regulation of the bands plan on many Arabic Ham site eg http://www.laselki.net/vb/

The problem isn't from license amateur!
but from the (user) pirate.

I hope our effort with the official regulation cut that QRM ASAP.

thanks OM
73's
Nader , st2nh

> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@> wrote:

> >
> > Bad news: the "usual" terrible jamming from some Arabian countries, sometimes makes difficult the access.
> >
> > 73, Mak SV1BSX

2376. Re: [eu-amsat] Re: AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-09 16:25:25 UTC
From: SV1BSX
Topic: 2357 Message: 2376

Hi Nader,

we were talking again about this problem. Just I wonder how is possible a pirate station to access this Satellite from Central Africa..... up to Central Europe !!!
It's almost unbelievable, if you think that they use antennas for terrestrial contacts and not Beams which are aimed direct to the Satellite. Therefore I suppose that, the output power is extremely high.

BTW it was not possible for me to pass on Satellite over him, even if my antenna is directional.

I believe this problem is difficult to solve dr Nader. And, you are the only one which can help us due to Arabian language. For the rest European Sat-operators is impossible to understand the conversation which take place and thus to recognise the country - or anything else about this jamming, in order to be able to help you.

73, Mak SV1BSX

----- Original Message -----
From: "st2nh" <st2nh@...>
To: <eu-amsat@yahoogroups.com>
Sent: Sunday, March 08, 2009 10:57 PM
Subject: [eu-amsat] Re: AO-27 is back again...

> Hi Mak & all
>
> Yes this is a sad fact Mak .really very sad .
>
> I and many other hams keeping on posting advice and regulation of the
> bands plan on many Arabic Ham site eg http://www.laselki.net/vb/
>
> The problem isn't from license amateur!
> but from the (user) pirate.
>
> I hope our effort with the official regulation cut that QRM ASAP.
>
> thanks OM
> 73's
> Nader , st2nh
>
>
>
>
>
>> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@> wrote:
>

>> >
>> > Bad news: the "usual" terrible jamming from some Arabian countries,
>> > sometimes makes difficult the access.
>> >
>> > 73, Mak SV1BSX
>
>
>
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>
> Yahoo! Groups Links
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>
>

2377. Re: AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-09 18:28:29 UTC
From: st2nh
Topic: 2357 Message: 2377

Hi mak

Yes many pirate use 1000 watts at VHF with stack yagi for
terrestrial (VHF CB) contacts.!!!!

The story is so long and so complicated
The main factor is the weakness of the regulation in many countries.

dum dam doom !!!!! I lost a new countries last week I just copied
a long nice song via OSCAR BBC satellite.

No women ,no cry ;-)

73's
Nader st2nh

--- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@...> wrote:
>
> Hi Nader,
>
> we were talking again about this problem. Just I wonder how is possible a pirate station to access this Satellite from Central Africa..... up to Central Europe !!!
> It's almost unbelievable, if you think that they use antennas for terrestrial contacts and not Beams which are aimed direct to the Satellite. Therefore I suppose that, the output power is extremely high.
>
> BTW it was not possible for me to pass on Satellite over him, even if my antenna is directional.
>
> I believe this problem is difficult to solve dr Nader. And, you are the only one which can help us due to Arabian language. For the rest European Sat-operators is impossible to understand the conversation which take place and thus to recognise the country - or anything else about this jamming, in order to be able to help you.
>
> 73, Mak SV1BSX
>
>
>
>
> ----- Original Message -----
> From: "st2nh" <st2nh@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Sunday, March 08, 2009 10:57 PM
> Subject: [eu-amsat] Re: AO-27 is back again...
>
>

> > Hi Mak & all
> >
> > Yes this is a sad fact Mak .really very sad .
> >
> > I and many other hams keeping on posting advice and regulation of the
> > bands plan on many Arabic Ham site eg http://www.laselki.net/vb/
> >
> > The problem isn't from license amateur!
> > but from the (user) pirate.
> >
> > I hope our effort with the official regulation cut that QRM ASAP.
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> > thanks OM
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> > Nader , st2nh
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> >
> >
> >
> >
> >> --- In eu-amsat@yahoogroups.com, "SV1BSX" <sv1bsx@> wrote:
> >
> >> >
> >> > Bad news: the "usual" terrible jamming from some Arabian countries,
> >> > sometimes makes difficult the access.
> >> >
> >> > 73, Mak SV1BSX
> >
> >
> >
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> > ------------------------------------
> >
> > Yahoo! Groups Links
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>

2378. Re: [eu-amsat] Re: AO-27 is back again...

Yahoo group: eu-amsat
Date: 2009-03-09 21:34:54 UTC
From: Luc Leblanc
Topic: 2357 Message: 2378

On 9 Mar 2009 at 18:25, SV1BSX wrote:

> Hi Nader,
>
> we were talking again about this problem. Just I wonder how is possible a pirate station to access this Satellite from Central Africa..... up to Central Europe !!!
> It's almost unbelievable, if you think that they use antennas for terrestrial contacts and not Beams which are aimed direct to the Satellite. Therefore I suppose that, the output power is extremely high.
>
Here is what i wrote. It is a "live" experience and the guy was using about 30 Watts.

"An operator "generally newbies" who was trying his new set up with a terrestrial beam with no elevation. He was able to receive the sat only
at AOS and LOS when the satellite was low but he call CQ on the whole pass not
knowing he was received OK as the satellite is very sensitive.

On AO-27 we can here a lot of QRM from home phone and taxi that's another proof it take's near nothing to be heard on the sats but a lot to
receive them but many are still trying their luck with duckies and omni terrestrial antennas.

One other proof of it i was testing my transceiver on a mobile dual band antenna (to discover my VHF coax snapped at the antenna
connector..) but i was on AO-16 uplink frequency as i was not able to reach it and while testing i heard myself on the downlink and at TCA
i was Q5 with 50 watts even reducing the power to 25W.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2379. My 1st contact via satellite (ISS)

Yahoo group: eu-amsat
Date: 2009-03-09 22:12:30 UTC
From: Eric
Topic: 2379 Message: 2379

Hello,

On february 22th I made my first satellite contact with G0FGX via ISS. (If you can consider ISS as a satellite) I wanted to try it tonight again when ISS passes my qth.
No I have just made a contact with PH7PCF. This is fun!
Equipment used: Yaesu FT-847 and a vertical goundplane.
I hope to setup some yagis on an elevation system soon.
Been listening alot on VO-52 also but signals are to weak to work that bird with a vertical. I just wanted to share my excitement here, hope you don't mind...

73 from Belgium.
Eric - ON4HF.

2380. Re: My 1st contact via satellite (ISS)

Yahoo group: eu-amsat
Date: 2009-03-09 22:36:35 UTC
From: st2nh
Topic: 2379 Message: 2380

Hi Eric
Congratulation Eric for ISS phone contact.

ISS pushing down a lot of power compare to other satellites!
Yes you can work with vertical antenna some satellite
The 1/4 vertical is a good chose , it has more radiation
Pattern up to sky dome compare to 5/8 or 1/3 wavelength vertical.
Enjoy the fun with your setup .
For a simple satellite Yagi see Howard G6lvb website

http://www.g6lvb.com/HomebrewArrow.htm

73 de Nader , st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "Eric" <on4hf@...> wrote:
>
> Hello,
>
> On february 22th I made my first satellite contact with G0FGX via ISS. (If you can consider ISS as a satellite) I wanted to try it tonight again when ISS passes my qth.
> No I have just made a contact with PH7PCF. This is fun!
> Equipment used: Yaesu FT-847 and a vertical goundplane.
> I hope to setup some yagis on an elevation system soon.
> Been listening alot on VO-52 also but signals are to weak to work that bird with a vertical. I just wanted to share my excitement here, hope you don't mind...
>
> 73 from Belgium.
> Eric - ON4HF.
>

2381. Re: [eu-amsat] My 1st contact via satellite (ISS)

Yahoo group: eu-amsat
Date: 2009-03-09 23:43:57 UTC
From: SV1BSX
Topic: 2379 Message: 2381

Hi Eric

Congrat's also for your contacts ! BTW you have to know that, Aldert
PH7PCF is a friend of mine
and also a member of this Group.

As I've asked the Amsat Award manager, the contacts via ISS counting OK
as a satellite QSO - if they are through the ISS-repeater with another Ham,
so you can consider that your ISS-QSOs are valid as Satellite-contacts.

And, of course we are very glad because you shared your excitement here
with us.

Welcome to the "Club" & have fun with Sat's !

73, Mak SV1BSX

----- Original Message -----
From: "Eric" <on4hf@...>
To: <eu-amsat@yahoogroups.com>
Sent: Tuesday, March 10, 2009 12:12 AM
Subject: [eu-amsat] My 1st contact via satellite (ISS)

> Hello,
>
> On february 22th I made my first satellite contact with G0FGX via ISS. (If
> you can consider ISS as a satellite) I wanted to try it tonight again when
> ISS passes my qth.
> No I have just made a contact with PH7PCF. This is fun!
> Equipment used: Yaesu FT-847 and a vertical goundplane.
> I hope to setup some yagis on an elevation system soon.
> Been listening alot on VO-52 also but signals are to weak to work that
> bird with a vertical. I just wanted to share my excitement here, hope you
> don't mind...
>
> 73 from Belgium.
> Eric - ON4HF.
>
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> Yahoo! Groups Links
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>

2382. DK3WN SatBlog

Yahoo group: eu-amsat
Date: 2009-03-13 20:05:41 UTC
From: st2nh
Topic: 2382 Message: 2382

Hi all

I really want to thank MIKE RUPPRECHT DK3WN for his wounderful
SatBlog .

http://www.dk3wn.info/p/

Every day I learn something new from your blog Mike.

73's
Nader , st2nh

2383. Web-SDR

Yahoo group: eu-amsat
Date: 2009-03-13 20:43:34 UTC
From: SV1BSX
Topic: 2383 Message: 2383

Hello,

In the following URL you can find a cute SDR-application. The 2nd waterfall is very interesting for us, as you can listen
on it the VHF satellite subzone between 145.852 - 145.943 MHz:

http://websdr.pa3weg.nl/

Even if the bandwidth is not enough for all Satellites, for VO-52 is perfect. Of course, the Up-Down button into the SDR-page
it is not a very comfortable way in order to correct the frequency due to Doppler, however you can hear.... a few stations !
(For the whole traffic, definitely you need ... Valiums !)

The funny story for me is that, it was possible to hear the traffic on Satellite after the LOS, when the satellite was over
West Europe - out of my range. I believe also that, it's a good experience for outside-Europe operators to hear the traffic over Europe.

Have a nice weekend

73 de Mak, SV1BSX

Email: sv1bsx "AT" yahoo .gr
URL : http://sv1bsx.50webs.com

2384. Re: Web-SDR

Yahoo group: eu-amsat
Date: 2009-03-14 14:14:28 UTC
From: Bratu Florian Gabriel
Topic: 2383 Message: 2384

www.websdr.org is first page. You can find 3 RX install in PA on 40m, 80m, and 20mssb. Also a cw 20m rx install in USA.
Very excelent recording 23cm EME contest and sat band in 2m also VLF.
I heard AO7 and VO52 crossing PA also i make an interesting experiment. I make few qso's using the 40m SDR RX and my transceiver for TX . 1000km distance between rx antena and tx antenna hi.
73 and have fun

2385. Re: [eu-amsat] Re: Web-SDR

Yahoo group: eu-amsat
Date: 2009-03-14 15:08:06 UTC
From: SV1BSX
Topic: 2383 Message: 2385

Hi Florian,

tks for additional info, the 23cm capability is very interesting indeed, especially in case where the
antenna is a... 20m Dish !
I like also the 20m CW Web-SDR.... glory old days of Ham-radio.

73, Mak SV1BSX

----- Original Message -----
From: "Bratu Florian Gabriel" <yo9gjx@...>
To: <eu-amsat@yahoogroups.com>
Sent: Saturday, March 14, 2009 4:14 PM
Subject: [eu-amsat] Re: Web-SDR

> www.websdr.org is first page. You can find 3 RX install in PA on 40m, 80m,
> and 20mssb. Also a cw 20m rx install in USA.
> Very excelent recording 23cm EME contest and sat band in 2m also VLF.
> I heard AO7 and VO52 crossing PA also i make an interesting experiment. I
> make few qso's using the 40m SDR RX and my transceiver for TX . 1000km
> distance between rx antena and tx antenna hi.
> 73 and have fun
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

2386. RE: [eu-amsat] Re: Web-SDR

Yahoo group: eu-amsat
Date: 2009-03-14 17:23:04 UTC
From: Dimitrios Pallis
Topic: 2383 Message: 2386

we will start building an Avala 01 HF SDR transciever with sw1eix and sw1ixp . We will test it with 2m to 10m transverter

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

> To: eu-amsat@yahoogroups.com
> From: sv1bsx@...
> Date: Sat, 14 Mar 2009 17:08:06 +0200
> Subject: Re: [eu-amsat] Re: Web-SDR
>
> Hi Florian,
>
> tks for additional info, the 23cm capability is very interesting indeed,
> especially in case where the
> antenna is a... 20m Dish !
> I like also the 20m CW Web-SDR.... glory old days of Ham-radio.
>
> 73, Mak SV1BSX
>
>
> ----- Original Message -----
> From: "Bratu Florian Gabriel" <yo9gjx@...>
> To: <eu-amsat@yahoogroups.com>
> Sent: Saturday, March 14, 2009 4:14 PM
> Subject: [eu-amsat] Re: Web-SDR
>
>
> > www.websdr.org is first page. You can find 3 RX install in PA on 40m, 80m,
> > and 20mssb. Also a cw 20m rx install in USA.
> > Very excelent recording 23cm EME contest and sat band in 2m also VLF.
> > I heard AO7 and VO52 crossing PA also i make an interesting experiment. I
> > make few qso's using the 40m SDR RX and my transceiver for TX . 1000km
> > distance between rx antena and tx antenna hi.
> > 73 and have fun
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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Windows Live™: Life without walls.
http://windowslive.com/explore?ocid=TXT_TAGLM_WL_allup_1a_explore_032009

2387. New AMSAT-India Newslettter

Yahoo group: eu-amsat
Date: 2009-03-17 11:28:38 UTC
From: Thomas Frey
Topic: 2387 Message: 2387

Hello All

There is a new AMSAT-India Newslettter available:
http://www.amsatindia.org/Newsletter/AmsatIndia-News-March.pdf

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2388. AO-51 Mode V/S worked with indoor antenna!

Yahoo group: eu-amsat
Date: 2009-03-19 21:23:30 UTC
From: dh5mk
Topic: 2388 Message: 2388

Hi folks,
just some days ago I put up my old 19-turn helical with the DB6NT downconverter and today I could manage a short contact to GM0FMW !
But using a indoor antenna is realy the right way on 13cm ... beleave me !! Signals are extraordinary weak. Using the same antenna while pointing out of the window, gives strong signals. But the pantiles on the roof are a fantastic attenuator !! :-((
So I keep on trying ...

so long
73 de
Michael

2389. Re: AO-51 Mode V/S worked with indoor antenna!

Yahoo group: eu-amsat
Date: 2009-03-20 21:30:56 UTC
From: dh5mk
Topic: 2388 Message: 2389

--- In eu-amsat@yahoogroups.com, "dh5mk" <michael@...> wrote:
>
> Hi folks,
> just some days ago I put up my old 19-turn helical with the DB6NT downconverter and today I could manage a short contact to GM0FMW !
> But using a indoor antenna is realy the right way on 13cm ... beleave me !! Signals are extraordinary weak. Using the same antenna while pointing out of the window, gives strong signals. But the pantiles on the roof are a fantastic attenuator !! :-((
> So I keep on trying ...
>
> so long
> 73 de
> Michael
>
so I tried again at a 55deg pass a little eastern, and it works better !!
I worked G3WDG/p and PA1IVO/p but thats it ... no zoo!!! Great mode, like the SSB uplink!!
Center frequency seems very exact to 2.401200GHz. I put that frequency in SatPC32 and it works good. Can anyone verify that?
... keep on trying ...

73 de Mike
DH5MK

2390. Re: [eu-amsat] Re: AO-51 Mode V/S worked with indoor antenna!

Yahoo group: eu-amsat
Date: 2009-03-21 01:26:40 UTC
From: Thomas Frey
Topic: 2388 Message: 2390

Hello Michael

Today at around 16:45z and 43 deg elevation I heard for the first time
AO-51 in Mode-S for a very short time. I switched to USB and heard a
short chirp. I think it cames from the FM repeater. Tomorrow I will
verify it. My roof does mute my dish antenna too much, I think.

dh5mk schrieb:
> --- In eu-amsat@yahoogroups.com, "dh5mk" <michael@...> wrote:
>
>> Hi folks,
>> just some days ago I put up my old 19-turn helical with the DB6NT downconverter and
today I could manage a short contact to GM0FMW !
>> But using a indoor antenna is realy the right way on 13cm ... beleave me !! Signals are
extraordinary weak. Using the same antenna while pointing out of the window, gives strong
signals. But the pantiles on the roof are a fantastic attenuator !! :-((
>> So I keep on trying ...
>>
>> so long
>> 73 de
>> Michael
>>
>>
> so I tried again at a 55deg pass a little eastern, and it works better !!
> I worked G3WDG/p and PA1IVO/p but thats it ... no zoo!!! Great mode, like the SSB
uplink!!
> Center frequency seems very exact to 2.401200GHz. I put that frequency in SatPC32 and it
works good. Can anyone verify that?
> ... keep on trying ...
>
> 73 de Mike
> DH5MK
>
>

Thanks for your reports.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2391. Hello

Yahoo group: eu-amsat
Date: 2009-03-21 17:33:32 UTC
From: st2nh
Topic: 2391 Message: 2391

Hello every body
this is a test msg
coz the EU-AMSAT webpage refuse to disply the messages menu???
73 de st2nh

2392. ISS activity

Yahoo group: eu-amsat
Date: 2009-03-25 08:20:03 UTC
From: Allan Copland
Topic: 2392 Message: 2392

Hi,

The ISS seems to be quite busy as a flying repeater of late. Last night, while sitting indoors wtching TV, downstairs behind 14 inch thick solid brick walls and one double glazed window, I easily copied the ISS.... it was booming in, on my FT-60 handy and little whip.

Lots of European stations 'doing battle' on FM. Pretty much like AO51.... totally disorganised chaos. I'm guessing they are running a few watts 'up there' to put in such a strong signal on my puny little whip aerial.

If you like such things.... why not join in the chaos :-) Downlink is on 145.800. I believe the uplink is 437.800. FM only, bad manners welcomed.

To me it just sounded like a really big pile-up on HF..... only a lot worse, thanks to capture effect.

I doubt if you'd need a real antenna on uplink or downlink. 19.25 inches of string soaked in salt water should do.

I used a quarterwave whip to listen, but for the life of me, I can't see the point of it all. It's a jungle out there. Still, if you like that sort of thing, I can give you a little advice. Run the maximum legal power. That way you *might just* have a chance of 'breaking the pile-up' :-)

73 Al.
GM1SXX

2393. Re: [eu-amsat] ISS activity

Yahoo group: eu-amsat
Date: 2009-03-25 20:56:41 UTC
From: Trevor
Topic: 2392 Message: 2393

--- On Wed, 25/3/09, Allan Copland <allan_gm1sxx@...> wrote:
> I'm guessing they are running a few watts 'up there' to put in such
> a strong signal on my puny little whip aerial.

Hi Allan,

They are running QRP on the ISS - about 5 watts output from the Kenwood D700 but as you say it's all you need for a strong downlink signal.

It was good to see that a UK Foundation licence holder Callum MM3YCG had a QSO with one of the Astronuats Mike KE5AIT (using NA1SS) a coupe of weeks ago. Callum was running 10 watts on 70cm for the contact.

The video of the QSO can be seen at

http://www.southgatearc.org/news/march2009/uk_foundation_holder_talks_to_astronaut.htm

73 Trevor M5AKA

2394. ISS and shuttle viewing

Yahoo group: eu-amsat
Date: 2009-03-26 02:50:07 UTC
From: Luc Leblanc
Topic: 2394 Message: 2394

On the 0005Z March 26 (2005 EDT on the 25) i just watch ISS lead by Discovery dimmer and slightly below ISS. A great space mechanic lesson
an orbital body reducing his altitude increased his speed or it's an optical illusion?

Physics has never been my taste of tea but always nice to watch passing space things over us and in bonus our seasonal wild white goose and
wild duck and birds migration heading north with their usual sound. (resting and feeding place about 45mn from here see:
http://www.pbase.com/descar/ornitho). If clear evening sky remain i will try some photos of the twin moving star
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2395. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2009-03-28 08:21:24 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 2395

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Googleearth/1082051-Satellitesinorbit.kmz
Uploaded by : yo9gjx <yo9gjx@...>
Description : All satellite position on sky

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Googleearth/1082051-Satellitesinorbit.kmz

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

2396. Earth-Venus-Earth - Video

Yahoo group: eu-amsat
Date: 2009-03-28 12:04:11 UTC
From: m5aka@yahoo.co.uk
Topic: 2396 Message: 2396

The reception of Amateur Radio signals bounced off the planet Venus is an impressive acheivement details of which can be seen at

http://www.southgatearc.org/news/march2009/eve.htm

A video showing Karl Meinzer DJ4ZC, Freddy ON6UG and the 2.4 GHz amplifier used to acheive Earth-Venus-Earth (EVE)can be seen at

http://tinyurl.com/EVE13cmAmp

The 2.4 GHz amplifier will be used by Radio Amateurs to sent signals to control the P5-A Amateur Radio Mars spacecraft. On its journey to Mars it will initially swing by Venus.

GO-Mars with AMSAT-DL's P5A Mission
http://www.ticket-to-mars.org/

AMSAT-DL Press Release in English
http://www.amsat-dl.org/pic/gallery2/main.php?g2_view=core.DownloadItem&g2_itemId=7561

A video of the Amateur Radio Mars Orbiter P5-A presentation given at the 2008 AMSAT-UK Colloquium by Achim Vollhardt DH2VA can be seen via

http://tinyurl.com/P5Apresentation

AMSAT-DL President Peter Guelzow DB2OS and other members of the AMSAT-DL team regularly attend the Colloquium. The 2009 AMSAT-UK Colloquium will be held at the University of Manchester, England from Friday July 24th to Sunday 26th July. Further details at

http://www.uk.amsat.org/colloquium

AMSAT-UK publish a quarterly newsletter OSCAR News, you can join at
https://secure.amsat.org.uk/

73 Trevor M5AKA
Daily Amateur Radio RSS News: http://www.southgatearc.org/
Get Daily Amateur Radio News by Email
http://www.feedburner.com/fb/a/emailverifySubmit?feedId=2783644&loc=en_US

2397. Re: New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2009-03-28 15:57:33 UTC
From: Allan Copland
Topic: 66 Message: 2397

--- In eu-amsat@yahoogroups.com, eu-amsat@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the eu-amsat
> group.
>
> File : /Googleearth/1082051-Satellitesinorbit.kmz
> Uploaded by : yo9gjx <yo9gjx@...>
> Description : All satellite position on sky

Google as you probably know doesn't do things in real time so this is really just an animation.

Here's another one. This was based on live data at the time it was made. It's old, but appropriate to show how many birds are up there.
http://www.observations.biz/Observations_from_Scotland/Observations_2007_04_04m.htm

Of course, satellites make up only a small part of the total of the items cluttering up near-Earth space. If you were to count anything bigger than 1Cm in diameter, the numbers become frightening. If you were to include other small debris such as paint flakes (dangerous to manned spaceflight and damaging to satellites) the numbers are 'astronomical'. That's without mentioning the hundreds of thousands of droplets of radioactive sodium/potassium leaked from old RORSATS around 1000Kms that hamper Gamma Ray astronomy.

73 Al.
GM1SXX.

2398. Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 13:01:17 UTC
From: Dimitrios Pallis
Topic: 2396 Message: 2398

From Yesterday our friend a very very good teacher for me

Mak sv1bsx is silent Key.

There is no more words to describe it!!!

Good Bye our Friend. I hope that now you are more close to birds!

God bless him

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

_____
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http://www.windowslive-hotmail.com/LearnMore/personalize.aspx?ocid=TXT_MSGTX_WL_HM_express_032009#colortheme

2399. SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 16:15:22 UTC
From: John Hackett
Topic: 2396 Message: 2399

As most people know, Mak was a founding member of EU-Amsat, together with myself and GM1SXX. Mak did all the graphics and most of the work in setting up the files om Yahoo.

This group *WILL* continue in his spirit and as he wished it to be.

I am very proud to have been called a good friend by Mak.

I am shocked at this terrible news and thank you Jimmy for the sad message.

On behalf of the entire group I offer commisserations - what a sad loss to this group.

John Alan Hackett. LA2QAA <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mc90606@...
Date: Sat, 28 Mar 2009 13:01:17 +0000
Subject: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key

From Yesterday our friend a very very good teacher for me

Mak sv1bsx is silent Key.

There is no more words to describe it!!!

Good Bye our Friend. I hope that now you are more close to birds!

God bless him

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

Express your personality in color! Preview and select themes for Hotmail®. See how.

2400. Re: [eu-amsat] SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 17:11:09 UTC
From: Thomas Frey
Topic: 2396 Message: 2400

I'm Sorry about this sad message. My condolences goes to his family.

John Hackett schrieb:
> As most people know, Mak was a founding member of EU-Amsat, together
> with myself and GM1SXX. Mak did all the graphics and most of the work in
> setting up the files om Yahoo.
>
> This group *WILL* continue in his spirit and as he wished it to be.
>
> I am very proud to have been called a good friend by Mak.
>
> I am shocked at this terrible news and thank you Jimmy for the sad
> message.
>
> On behalf of the entire group I offer commisserations - what a sad
> loss to
> this group.
>
> John Alan Hackett. LA2QAA <la2qaa@...>
>
> ---
> To: eu-amsat@yahoogroups.com
> From: mc90606@...
> Date: Sat, 28 Mar 2009 13:01:17 +0000
> Subject: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key
>
> >From Yesterday our friend a very very good teacher for me
> Mak sv1bsx is silent Key.
>
> There is no more words to describe it!!!
> Good Bye our Friend. I hope that now you are more close to birds!
> God bless him
>
>
> Dimitrios Pallis (JIMMY)
> 73 de SW1JGW
> www.sw1jgw.com <http://www.sw1jgw.com/>
>
>
> ---
>
>
>

--

Kind Regards
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2401. Re: Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 18:00:56 UTC
From: st2nh
Topic: 2396 Message: 2401

Hi all

Rest in peace my Elemer Mak.

We well miss you on air and on the list.

My condolences goes to all EU-AMSAT members and
to his family.

God bless your soul.

Nader st2nh

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis <mc90606@...> wrote:
>
>
> From Yesterday our friend a very very good teacher for me
>
> Mak sv1bsx is silent Key.
>
>
>
> There is no more words to describe it!!!
>
> Good Bye our Friend. I hope that now you are more close to birds!
>
> God bless him
>
>
>
> Dimitrios Pallis (JIMMY)
> 73 de SW1JGW
> www.sw1jgw.com
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> _____
> Express your personality in color! Preview and select themes for Hotmail®.
> http://www.windowslive-hotmail.com/LearnMore/personalize.aspx?ocid=TXT_MSGTX_WL_HM_expre
ss_032009#colortheme
>

2402. Re: Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 18:18:06 UTC
From: Blinov Igor
Topic: 2396 Message: 2402

It's bad... Rest in peace, Mak.
And I know, birds remember all signs.
God bless your soul.

Igor, RW3XL

Hi all

Rest in peace my Elemer Mak.

We well miss you on air and on the list.

My condolences goes to all EU-AMSAT members and
to his family.

God bless your soul.

Nader st2nh

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis > wrote:
>
>
> From Yesterday our friend a very very good teacher for me
>
> Mak sv1bsx is silent Key.
>
>
>
> There is no more words to describe it!!!
>
> Good Bye our Friend. I hope that now you are more close to birds!
>
> God bless him
>
>
>
> Dimitrios Pallis (JIMMY)
> 73 de SW1JGW
> www.sw1jgw.com
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> Express your personality in color! Preview and select themes for Hotmail®.
> http://www.windowslive-hotmail.com/LearnMore/personalize.aspx?ocid=TXT_MSGTX_WL_HM_expre

ss_032009#colortheme
>

2403. ***SPAM*** RE: [eu-amsat] SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-28 19:10:40 UTC
From: Iain McKeracher
Topic: 2396 Message: 2403
Attachments: 2 described; binary payloads are missing from this source WARC

Very sad. He was a great champion for "satellite" and will be sorely missed
by us all. My sincere condolences to his family.

Iain - 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of Thomas Frey
Sent: 28 March 2009 19:11
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] SV1BSX is Silent Key

I'm Sorry about this sad message. My condolences goes to his family.

John Hackett schrieb:
> As most people know, Mak was a founding member of EU-Amsat, together
> with myself and GM1SXX. Mak did all the graphics and most of the work in
> setting up the files om Yahoo.
>
> This group *WILL* continue in his spirit and as he wished it to be.
>
> I am very proud to have been called a good friend by Mak.
>
> I am shocked at this terrible news and thank you Jimmy for the sad
> message.
>
> On behalf of the entire group I offer commisserations - what a sad
> loss to
> this group.
>
> John Alan Hackett. LA2QAA <la2qaa@... <mailto:la2qaa%40amsat.org> >
>
> ----------
> To: eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com>
> From: mc90606@... <mailto:mc90606%40hotmail.com>
> Date: Sat, 28 Mar 2009 13:01:17 +0000
> Subject: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key
>
> >From Yesterday our friend a very very good teacher for me
> Mak sv1bsx is silent Key.
>
> There is no more words to describe it!!!
> Good Bye our Friend. I hope that now you are more close to birds!
> God bless him
>
>

> Dimitrios Pallis (JIMMY)
> 73 de SW1JGW
> www.sw1jgw.com <http://www.sw1jgw.com/>
>
>
> ----------
>
>
>

--

Kind Regards
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2404. Re: [eu-amsat] K5D QSOs

Yahoo group: eu-amsat
Date: 2009-03-28 22:20:51 UTC
From: Luc Leblanc
Topic: 2298 Message: 2404

As sad as sudden we never know what is in front of us.

Here my last message from Mak.

My sincere condolences to his family

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

On 25 Feb 2009 at 1:35, SV1BSX wrote:

> Hi Aldert,
>
> and nice to "hear" you again after a long time !
>
> Well, probably you are right, just now I was looking on BB and they have
> there several messages about that.
> Just the SO-50 mentioned... too sad.
>
> About your epilogue, the "Old Lady" is excellent Satellite - you know that
> as well .
> I believe that you don't need something like "extreme" Antennas. A mere
> example is our friend Mika, OH8MBN.
>
> You could not believe it how simple antennas he using (see the attach. foto
> !!).....
> and he has managed dozens of overseas QSOs with .... VE & USA !
>
> So, the location is very important - not the antennas. Have you a "clear
> horizon" (@ 0 degrees Elevation) to this direction? Try it. If no, just
> forget it my friend.
>
> As they used to say:
> "You can not reach the stone across the pond - if you are blind".
>
> 73, Mak SV1BSX
>
>

2405. Re: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-29 01:10:06 UTC
From: Luciano Nachif
Topic: 2396 Message: 2405

I`m terribly sorry Mak passed way. I never had the chance to talk to him but I`m pretty sure he is in a better place right now. We will always miss him.

Luciano Gasparini PT9KK
Brazil

--- On Sat, 3/28/09, Dimitrios Pallis <mc90606@...> wrote:

From: Dimitrios Pallis <mc90606@hotmail.com>
Subject: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key
To: eu-amsat@yahoogroups.com
Date: Saturday, March 28, 2009, 8:01 AM

From Yesterday our friend a very very good teacher for me
Mak sv1bsx is silent Key.

There is no more words to describe it!!!
Good Bye our Friend. I hope that now you are more close to birds!
God bless him

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

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2406. Re: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-29 01:12:42 UTC
From: Luciano Nachif
Topic: 2396 Message: 2406

I`m terribly sorry Mak passed way. I never had the chance to talk to him but I`m pretty sure he is in a better place right now. We will always miss him.

Luciano Gasparini PT9KK
Brazil

--- On Sat, 3/28/09, Dimitrios Pallis <mc90606@...> wrote:

From: Dimitrios Pallis <mc90606@hotmail.com>
Subject: [eu-amsat] Very BAD and terrible NEWS - SV1BSX is Silent Key
To: eu-amsat@yahoogroups.com
Date: Saturday, March 28, 2009, 8:01 AM

From Yesterday our friend a very very good teacher for me
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There is no more words to describe it!!!
Good Bye our Friend. I hope that now you are more close to birds!
God bless him

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

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2407. I8CVS

Yahoo group: eu-amsat
Date: 2009-03-29 01:16:26 UTC
From: Luciano Nachif
Topic: 2407 Message: 2407

Some time ago I was told Domenico Marini I8CVS was hospitalized. Has anyone heard of him lately?

Thanks in advance,

Luciano Gasparini PT9KK
Brazil

2408. SV1BSX

Yahoo group: eu-amsat
Date: 2009-03-29 10:39:18 UTC
From: John Hackett
Topic: 2408 Message: 2408

It is both appropriate and fitting that so many operators offered their condolences here and on the Amsat-bb for the very sad loss of my dear friend Mak SV1BSX.

He was an inspiration to many newcomers to the satellite scene and his web pages will remain a source of inspiration to future potential Amateur satellite operators.

LA2QAA John. <la2qaa@...>

2409. Seasonal changes.

Yahoo group: eu-amsat
Date: 2009-03-29 12:32:39 UTC
From: John Hackett
Topic: 2409 Message: 2409
Attachments: 3 described; binary payloads are missing from this source WARC

Seasonal changes.

73 John. <la2qaa@...>

2410. Mak's passing

Yahoo group: eu-amsat
Date: 2009-03-29 13:34:30 UTC
From: pcalvi@bluewin.ch
Topic: 2410 Message: 2410

I am literally devastated by the news. Mak will be so sorely missed.

My thoughts are with his family and friends, and with us all grieving the loss.

73 Pete HB9DSU

_____
Piero Calvi-Parisetti MM0TWX
currently also HB9DSU
for music, Ham Radio and more
visit http://www.qsl.net/hb9dsu

2411. (no subject)

Yahoo group: eu-amsat
Date: 2009-03-29 01:06:43 UTC
From: Dimitrios Pallis
Topic: 2298 Message: 2411

Mak's Last QSO

14-Mar-09 16:35 57099 SV1BSX KM17UW Mode A IK0DPX, F2IL, UHF BCN

Dimitrios Pallis (JIMMY)
73 de SW1JGW
www.sw1jgw.com

_____
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http://www.windowslive-hotmail.com/LearnMore/personalize.aspx?ocid=TXT_MSGTX_WL_HM_express_032009#colortheme

2412. Re: Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-30 05:39:24 UTC
From: sv1eex
Topic: 2396 Message: 2412

Hello all.

I would like to express my deepest sorrow and my heartfelt condolences for the loss of Makis to the group.

The tragic loss struck me deep and left many "why him?" inside my head. I still remember how happy I was when I worked him on our 1st sat qso yelling "You see my friend I did it!" and also Makis answering my questions on the "birds" during my first hamradio steps.

Inside my heart he will be greatly missed not only as a friend but also as my fist Sat Elmer. No comfort is quite enough to replace the loss.

His key is silent now on the birds but his legacy and his love will remain with us always. I remember telling him last time we met that "everything is a road".

Bon voyage, my friend. God bless you.

Nikiforos Kontopoulos
sv1eex

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis <mc90606@...> wrote:
>
>
> From Yesterday our friend a very very good teacher for me
>
> Mak sv1bsx is silent Key.
>
>
>
> There is no more words to describe it!!!
>
> Good Bye our Friend. I hope that now you are more close to birds!
>
> God bless him
>
>
>
> Dimitrios Pallis (JIMMY)
> 73 de SW1JGW
> www.sw1jgw.com
>
>
>
>
>
> _____
> Express your personality in color! Preview and select themes for Hotmail®.

> http://www.windowslive-hotmail.com/LearnMore/personalize.aspx?ocid=TXT_MSGTX_WL_HM_express_032009#colortheme
>

2413. Re: Very BAD and terrible NEWS - SV1BSX is Silent Key

Yahoo group: eu-amsat
Date: 2009-03-30 18:02:51 UTC
From: Bratu Florian Gabriel
Topic: 2396 Message: 2413

God bless his soul!

2414. ISS SSTV Pictures

Yahoo group: eu-amsat
Date: 2009-04-01 13:46:41 UTC
From: David Johnson
Topic: 2414 Message: 2414

HI,

FYI ARISS are hostinga page for ISS picture upload:

http://www.amsat.org/amsat/ariss/SSTV/index.php

73

Dave
G4DPZ

2415. Notices of respect for SV1BSX.

Yahoo group: eu-amsat
Date: 2009-04-02 10:44:08 UTC
From: John Hackett
Topic: 2415 Message: 2415

Suitable notices of respect can be found at ...

<http://www.observations.biz/Observations_from_Greece/index.htm>

The ANSAT NEWS SERVICE will also publish similar words on the 5th of April.

73 John. <la2qaa@...>

2416. UE3XCD via SAT.

Yahoo group: eu-amsat
Date: 2009-04-03 12:27:29 UTC
From: Igor
Topic: 2416 Message: 2416

Hello friends!
In honour of a "Cosmonautics Day", from 6 to 12 april I will use call UE3XCD. Because of problems with transmit on 70cm, activity will focused on AO51, SO50 and FO29.
QSL via RW3XL.

2417. Re: [amsat-bb] Re: North Korean Satellite

Yahoo group: eu-amsat
Date: 2009-04-05 17:06:29 UTC
From: Luc Leblanc
Topic: 2417 Message: 2417

On 5 Apr 2009 at 8:18, Gary "Joe" Mayfield wrote:

> They also talked about the American beast, and the evils of Japan. I
> suspect the bird is in the drink, But I may tune a radio to 470 MHz and
> leave it on today.
>
> 73,
> Joe kk0sd
>

From many various news agencies the satellite did not make it to the orbit the missile's first stage fell into the Sea of Japan, and the
remaining stages -- along with a satellite payload -- landed in the Pacific Ocean.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2418. Re: [amsat-bb] Re: North Korean Satellite

Yahoo group: eu-amsat
Date: 2009-04-06 03:17:05 UTC
From: Luc Leblanc
Topic: 2417 Message: 2418

On 5 Apr 2009 at 13:06, Luc Leblanc VE2DWE wrote:

> On 5 Apr 2009 at 8:18, Gary "Joe" Mayfield wrote:
>
> > They also talked about the American beast, and the evils of Japan. I
> > suspect the bird is in the drink, But I may tune a radio to 470 MHz and
> > leave it on today.
> >
> > 73,
> > Joe kk0sd
> >
>
> From many various news agencies the satellite did not make it to the orbit the missile's
first stage fell into the Sea of Japan, and the
> remaining stages -- along with a satellite payload -- landed in the Pacific Ocean.
>
>
It is now 2246 EDT April 5 and this post is still not apearing on AMSAT-BB!

Is the censor in chief is off duty?

Just for the record here is a statement from the US president Obama and i quote "
"President Barack Obama has offered an apology for the
Bush era, declaring that America had 'shown arrogance and been dismissive, even derisive'
towards its allies." end of quote.

The question is where AMSAT-NA IS STANDING?

There is a huge difference between censoring and moderating

The contact index tab looks like appealing in the actual context...It cost nothing to
report and ask for an explanation!

http://www.whitehouse.gov/

Copy to the AMSAT BOD and EU-AMSAT reflector

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2419. Re: [amsat-bb] ARISS Contact between Parkside Community Collee and Charles Simonyi

Yahoo group: eu-amsat
Date: 2009-04-08 19:41:33 UTC
From: Luc Leblanc
Topic: 2419 Message: 2419

On 8 Apr 2009 at 20:16, Ciaran Morgan wrote:

> Folks,
>
>
>
> I have finally managed to sort the video of the UK contact with Charles
> Simonyi that happened on 30th March 2009.

>
>
> Regards
>
> Ciaran Morgan
>
> M0XTD
>
First time i heard on NASA TV expedition 18 farewell ceremony Charles Simonyi stating his job aboard that he "speaks with Ham radio
operators all around the world"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2421. Re: [eu-amsat] Check out my photos on Facebook

Yahoo group: eu-amsat
Date: 2009-04-11 22:50:13 UTC
From: Thomas Frey
Topic: 2420 Message: 2421

This is SPAM I think.

David A Johnson schrieb:
>
>
> facebook
>
> David A Johnson
> <http://www.facebook.com/p.php?i=727921826&k=3XMY46T6TVZM5GEEUC54QQ>
> David A Johnson has:
> 24 friends
> 10 photos
> 0 notes
> 5 wall posts
> 9 groups
>
>
>
>
> Check out my photos on Facebook
>
>
> Hi Eu-amsat@yahoogroups.com,
>
> I set up a Facebook profile where I can post my pictures, videos and
> events and I want to add you as a friend so you can see it. First, you
> need to join Facebook! Once you join, you can also create your own
> profile.
>
> Thanks,
> David
>
> To sign up for Facebook, follow the link below:
> http://www.facebook.com/p.php?i=727921826&k=3XMY46T6TVZM5GEEUC54QQ&r
> <http://www.facebook.com/p.php?i=727921826&k=3XMY46T6TVZM5GEEUC54QQ&r>
>
> eu-amsat@yahoogroups.com was invited to join Facebook by David A
> Johnson. If you do not wish to receive this type of email from
> Facebook in the future, please click here
> <http://www.facebook.com/o.php?k=18a1c9&u=1515411105&mid=4ac7c5G5a5356a1G0G8>
> to unsubscribe.
> Facebook's offices are located at 156 University Ave., Palo Alto, CA
> 94301.
>
>

>
>

--

Mit freundlichen Grüssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2422. Re: [eu-amsat] Check out my photos on Facebook

Yahoo group: eu-amsat
Date: 2009-04-11 22:53:45 UTC
From: David Johnson
Topic: 2420 Message: 2422

Hi,

It was actually a bug in the Facebook software. I had chosen a subset
but it sent to the whole list instead, ARGH!

My apologies.

73

Dave

2423. FO-29 Contact from 5B4AGY in Cyprus (KM64 EV) to South Africa

Yahoo group: eu-amsat
Date: 2009-04-13 11:29:54 UTC
From: Iain McKeracher
Topic: 2423 Message: 2423

Monday, 13. April 2009, 08:57:19

Hi,

After no joy with AO-7 this morning, hoping that there may be some European stations on being a long weekend, I also gave FO-29 a go.

What a surprize to hear and work Iain, 5B4AGY in Cyprus in KM64ev (distance = 6737Km).

This is my first contact with 5B4 via sat - and his first to ZS via FO-29.

I have a recording of the QSO on: -
http://my.opera.com/zs6tw/blog/2009/04/13/5b4agy-cyprus-km64ev-worked-via-fo-29

(If by clicking on this your player does not want to play correctly - right-click and download first, then play from disk. Some browsers are broken!!)

The sat was already just under 2 degrees when I heard him, so we had to be pretty fast.

Right at the end I also heard TR8CA calling, but by then the pass was finished for me.

Good SAT DX!

73
Keith
ZS6TW

2424. Re: FO-29 Contact from 5B4AGY in Cyprus (KM64 EV) to South Africa

Yahoo group: eu-amsat
Date: 2009-04-13 16:26:23 UTC
From: st2nh
Topic: 2423 Message: 2424

HI All
congratulation my friends Keith and Iain for the FB long satellite DX

73 Nader st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "Iain McKeracher" <iain.mckeracher@...> wrote:
>
>
> Monday, 13. April 2009, 08:57:19
>
> Hi,
>
> After no joy with AO-7 this morning, hoping that there may be some European stations on being a long weekend, I also gave FO-29 a go.
>
> What a surprize to hear and work Iain, 5B4AGY in Cyprus in KM64ev (distance = 6737Km).
>
> This is my first contact with 5B4 via sat - and his first to ZS via FO-29.
>
> I have a recording of the QSO on: -
> http://my.opera.com/zs6tw/blog/2009/04/13/5b4agy-cyprus-km64ev-worked-via-fo-29
>
> (If by clicking on this your player does not want to play correctly - right-click and download first, then play from disk. Some browsers are broken!!)
>
> The sat was already just under 2 degrees when I heard him, so we had to be pretty fast.
>
> Right at the end I also heard TR8CA calling, but by then the pass was finished for me.
>
> Good SAT DX!
>
> 73
> Keith
> ZS6TW
>

2425. RE: [eu-amsat] Re: FO-29 Contact from 5B4AGY in Cyprus (KM64 EV) to South Africa

Yahoo group: eu-amsat
Date: 2009-04-13 16:48:58 UTC
From: Iain McKeracher
Topic: 2423 Message: 2425

Nader,

Thanks!!

Best 73

Iain - 5B4AGY

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of st2nh
Sent: 13 April 2009 19:26
To: eu-amsat@yahoogroups.com
Subject: [Norton AntiSpam] [eu-amsat] Re: FO-29 Contact from 5B4AGY in Cyprus (KM64 EV) to South Africa

HI All
congratulation my friends Keith and Iain for the FB long satellite DX

73 Nader st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> , "Iain McKeracher" <iain.mckeracher@...> wrote:
>
>
> Monday, 13. April 2009, 08:57:19
>
> Hi,
>
> After no joy with AO-7 this morning, hoping that there may be some European stations on being a long weekend, I also gave FO-29 a go.
>
> What a surprize to hear and work Iain, 5B4AGY in Cyprus in KM64ev (distance = 6737Km).
>
> This is my first contact with 5B4 via sat - and his first to ZS via FO-29.
>
> I have a recording of the QSO on: -
>
http://my.opera.com/zs6tw/blog/2009/04/13/5b4agy-cyprus-km64ev-worked-via-fo-29
>
> (If by clicking on this your player does not want to play correctly - right-click and download first, then play from disk. Some browsers are broken!!)

>
> The sat was already just under 2 degrees when I heard him, so we had to be pretty fast.
>
> Right at the end I also heard TR8CA calling, but by then the pass was finished for me.
>
> Good SAT DX!
>
> 73
> Keith
> ZS6TW
>

2426. very nice

Yahoo group: eu-amsat
Date: 2009-04-14 16:32:22 UTC
From: Bratu Florian Gabriel
Topic: 2426 Message: 2426

http://www.youtube.com/watch?v=5V9Qkd3dElw&feature=channel_page

2427. Happy Amateur Radio Day 2009

Yahoo group: eu-amsat
Date: 2009-04-18 19:02:31 UTC
From: st2nh
Topic: 2427 Message: 2427

Hi All
Happy Amateur Radio Day 2009
73's
Nader st2nh
www.st2nh.com

2428. IOTA

Yahoo group: eu-amsat
Date: 2009-04-19 07:50:05 UTC
From: Bratu Florian Gabriel
Topic: 2428 Message: 2428

IOTA entity on AO27 - F8ARR/P

2429. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2009-04-19 07:51:59 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 2429

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Googleearth/SatelliteDatabase.kmz
Uploaded by : yo9gjx <yo9gjx@...>
Description : A full complex database

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Googleearth/SatelliteDatabase.kmz

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

2430. AMSAT-India Newsletter

Yahoo group: eu-amsat
Date: 2009-04-21 12:34:55 UTC
From: Thomas Frey
Topic: 2430 Message: 2430

Hello All

The new AMSAT-India April Newsletter is available:
http://www.amsatindia.org/Newsletter/AmsatIndia-News-April.pdf

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2431. ANUSAT launched

Yahoo group: eu-amsat
Date: 2009-04-22 21:15:35 UTC
From: st2nh
Topic: 2431 Message: 2431

The student-built 40-kg micro educational satellite ANUSAT carrying an Amateur Radio payload was launched on Monday April 20 from the Indian Space Research Organisation (ISRO) Satish Dhawan space centre.

The launch vehicle was ISRO's PSLV-C12, which as well as ANUSAT also carried RISAT-2, a 300-kg radar imaging satellite.

ANUSAT (Anna University Satellite) is the first satellite built by an Indian University under the overall guidance of ISRO and will demonstrate the technologies related to message store and forward operations.

The Amateur Radio payload is a 145/435 MHz Digital Store and Forward system developed by students at the university and the planned orbit was at 550 km with an inclination of 41 degrees.

SOURSE= Southgate Radio Club Website

73's
Nader , st2nh
www.st2nh.com

2432. ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-22 21:53:07 UTC
From: John Hackett
Topic: 2431 Message: 2432

Hello Group,
Regarding the Anusat satellite. I picked up the
following snippet ...

>"This micro satellite will help in storing and forwarding data.
>It
will help us send confidential data, like examination papers.

>Anna University
vice-chancellor Dr P. Mannar Jawahar.

One wonders (specifically, LA2QAA) - what 'confidential data like examination papers' - would be doing on an 'amateur satellite'.

Apparently, a V/U store and forward satellite, does anyone have any pertinent information regarding freqencies and a timeframe for when this satellite will be available for amateur use ??.

73 John. <la2qaa@...>

To: eu-amsat@...m
From: st2nh@...
Date: Wed, 22 Apr 2009 21:15:35 +0000
Subject: [eu-amsat] ANUSAT launched

The student-built 40-kg micro educational satellite ANUSAT carrying an Amateur Radio payload was launched on Monday April 20 from the Indian Space Research Organisation (ISRO) Satish Dhawan space centre.

The launch vehicle was ISRO's PSLV-C12, which as well as ANUSAT also carried RISAT-2, a 300-kg radar imaging satellite.

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The Amateur Radio payload is a 145/435 MHz Digital Store and Forward system developed by students at the university and the planned orbit was at 550 km with an inclination of 41 degrees.

SOURSE= Southgate Radio Club Website

73's

Nader , st2nh

www.st2nh.com

2433. Re: [eu-amsat] ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-22 22:13:10 UTC
From: Trevor .
Topic: 2431 Message: 2433

> One wonders (specifically, LA2QAA) - what 'confidential data
> like examination papers' - would be doing on an 'amateur satellite'.

I am not aware that anyone at the University has said that confidential data would be passed by the satellite on an Amateur frequency. Do you have any University references for that quote?

My understanding was that this was a technology demonstrator for a store and forward system.

While you could in theory build a dedicated satellite for handling exam papers you have to ask why bother since you could use any number of far cheaper alternative systems.

It sounds to me like the type of paper justication you might make to get funds for a demonstrator project. Bear in mind that the mass media can distort things that they don't understand.

One of the students, Sidharth Balasubramanian, who was involved in the development of the ANUSAT communications system has some information on his website. No specific freqs quoted except for the 149.522 MHz command receiver, see

http://bsidharth1205.googlepages.com/research

73 Trevor M5AKA
Amateur Radio Daily RSS News: http://www.southgatearc.org/

2434. Anusat - the reply.

Yahoo group: eu-amsat
Date: 2009-04-22 22:53:27 UTC
From: John Hackett
Topic: 2431 Message: 2434

Trevor,
To answer your question ...

I followed the third link from the Southgate Amateur Radio Club bulletin
regarding ANUSAT and the quote to which you refer..

The complete text follows ...

(According to the story, the quote is by the Vice Chancellor of the Anne
University ... which is why I found it worthy of note).

ANUSAT being an acronym for ANne University Satellite

While not SPECIFICALLY stating exam results would be tramsmitted by
this satellite Dr P. M. Jawahar's remarks are quoted in the same ontext
and paragraph as the the rest of the information regarding the Anusat satellite, which,
according the Amsat India website is an 'AMATEUR' satellite.

12 years ago we were warned by Vommander John Brannegan that we would lose
the amateur satellite bands to the universities.

It looks like Winston Churchill was on the ball as well ... this is not the end, it's not
even the beginning of the end - but perhaps it's the end of the beginning.

(With apologies to Winnie The Poo).

73 John. <la2qaa@...>

.....

April 20, 2009 11:17 AM
India Launches University-built Satellite

By P. Vijian

NEW DELHI, April 20 (Bernama) -- India successfully placed two
satellites in the sky early today, one of which was designed and built
by Anna University in Chennai -- the first satellite built by an Indian
university.

The Polar Satellite Launch Vehicle (PSLV-C-12) soared into the sky
at 6.45am (9.15am in Malaysia) from the Sriharikota spaceport in Andra
Pradesh, in south India, lifting the two satellites, RISAT-2 and ANUSAT
-- an abbreviation for Anna University Satellite.

"The indigenous ANUSAT was designed, built and fabricated by 10
faculty members from Anna University. It took us nearly eight years to
complete.

"This micro satellite will help in storing and forwarding data. It will help us send confidential data, like examination papers. This is a proud moment for India and the university," Anna University vice-chancellor Dr P. Mannar Jawahar told Bernama.

The India Space Research Organisation (ISRO) funded the ANUSAT communication satellite, weighing 40kg and costing nearly RM5 million. It has a life span of two years.

The Israel-designed RISAT-2 or Radar Imaging Satellite, weighing 300kg, with all-weather capability to take images of the earth, would enhance ISRO's disaster management ability.

"RISAT will help us in monitoring natural disasters like floods and cyclones. It has a life span of three years. ANUSAT is the first experimental communication satellite built by an Indian university under the guidance of ISRO," ISRO spokesperson S. Sathis told Bernama.

Last October, ISRO launched the Chandrayaan-1 spacecraft that is now exploring the moon from lunar orbit.

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Wed, 22 Apr 2009 22:13:10 +0000
Subject: Re: [eu-amsat] ANUSAT - amateur satellite ??.

> One wonders (specifically, LA2QAA) - what 'confidential data

> like examination papers' - would be doing on an 'amateur satellite'.

I am not aware that anyone at the University has said that confidential data would be passed by the satellite on an Amateur frequency. Do you have any University references for that quote?

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While you could in theory build a dedicated satellite for handling exam papers you have to ask why bother since you could use any number of far cheaper alternative systems.

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One of the students, Sidharth Balasubramanian, who was involved in the development of the ANUSAT communications system has some information on his website. No specific freqs quoted except for the 149.522 MHz command receiver, see

http://bsidharth1205.googlepages.com/research

73 Trevor M5AKA

Amateur Radio Daily RSS News: http://www.southgatearc.org/

2435. Presumtions.

Yahoo group: eu-amsat
Date: 2009-04-22 23:10:58 UTC
From: John Hackett
Topic: 2435 Message: 2435

With reference to my posts about ANUSAT.

From the following statement ...

>The student-built 40-kg micro educational satellite
>ANUSAT carrying an Amateur Radio payload was launched
>on Monday April 20 from the Indian Space Research

>Organisation (ISRO) Satish Dhawan space centre.

I assumed ANUSAT to be an 'amateur satellite.

Perhaps I presumed too much.

73 John. <la2qaa@...>

2436. Re: [eu-amsat] ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-23 09:23:26 UTC
From: Luc Leblanc
Topic: 2431 Message: 2436

On 22 Apr 2009 at 23:53, John Hackett wrote:

>
> Hello Group,
> Regarding the Anusat satellite. I picked up the
> following snippet ...
>
> >"This micro satellite will help in storing and forwarding data.
> >It
> will help us send confidential data, like examination papers.
>
> >Anna University
> vice-chancellor Dr P. Mannar Jawahar.
>
> One wonders (specifically, LA2QAA) - what 'confidential data like examination
> papers' - would be doing on an 'amateur satellite'.
>
> Apparently, a V/U store and forward satellite, does anyone have any pertinent information
regarding freqencies and a timeframe for when this satellite will be
> available for amateur use ??.
>
> 73 John. <la2qaa@...>
>
A question inducing other ones. IF something is on the Ham bands it should be freely
accessible by ALL the international amateur radio
operator will we be able to access it? It will make Mr Brunninga here very happy as it will
fulfil one of his dream to have an emergency
tool box flying in space in case of an emergency situation. This store an forward
capabilities can be useful for emergencies.

As the student notes available i just hope they will have some form of coding...but again
secret coding is not supposed to be illegal on
the ham bands?

Is IARU is failing here or are they sleeping on the switch?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2437. Re: [eu-amsat] Anusat - the reply.

Yahoo group: eu-amsat
Date: 2009-04-23 09:53:18 UTC
From: Thomas Frey
Topic: 2431 Message: 2437

John Hackett schrieb:
>
>
> It looks like Winston Churchill was on the ball as well ... this is
> not the end, it's not even the beginning of the end - but perhaps it's
> the end of the beginning.
>
>

Or.. If the mountain don't comes to you, you have to climb the mountain.

Hello All

I have wrote a mail to Sidbarth for informations about the amateur s&f payload. I will his answer publish here, if I any get.

I asked also in the VUSAT group 2 times before the launch. There was no OM who knows details about ANUSAT. There was also no frequency coordination at IARU for the s&f payload.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2438. Again !!!.

Yahoo group: eu-amsat
Date: 2009-04-23 10:56:28 UTC
From: John Hackett
Topic: 2438 Message: 2438

Hello Group,
As is my want - I opened my gob (mouth, to you) once again
without putting my brain in gear first.

The 'intelligent' (so he says) half of the OBSERVATIONS team, Al GM1SXX had
already put some pertinent ANUSAT information on the OBSERVATIONS website.
(Didn't notice it diddle I).

<http://www.observations.biz/University_me_toos/Anusat.pdf>

However, my posts *DO* illustrate precisely what Commander John Brannegan
warned about several years ago. It's now far too late to do anything about it.

To paraphrase the Commander ... we only have ourselves to blame.

Of course, one *CAN* emulate an ostrich (bury one's head in the sand) and
convince oneself that amateurs are going to benefit from having our frequencies
taken over ...

Each is entitled to his/her own opinion, I'm just mentioning that I agree with what John
Brannegan wrote.

73 John. <la2qaa@amsat.org>

Maybe I'm not the only one with my brain out of gear.

2439. Re: ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-23 11:11:37 UTC
From: Allan Copland
Topic: 2431 Message: 2439

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> Hello Group,
> Regarding the Anusat satellite. I picked up the
> following snippet ...
>
> >"This micro satellite will help in storing and forwarding data.
>It will help us send confidential data, like examination papers.
>

Just a couple of small gripes from me.

1 Amateur radio communication should be non-confidential. How does that square with .....
helping send confidential data... like exam papers!!

and
2 It seems to be a private bird for non-amateur use, but on the amateur satellite
allocations.

Of course, who cares anyway. 'The horse bolted from the stable many years ago and only a
few of us are still looking for it' :-)

I listed some info on it about a week ago on www.observations.biz.
Look for YAUB (yet another University Bird :-)
Perhaps YABH...'yet another bands hijack' would have been more appropriate.

73 Al.

2440. RE: [eu-amsat] Re: ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-23 11:35:12 UTC
From: Iain McKeracher
Topic: 2431 Message: 2440

Dear Group,

This is my first comment about "new satellites". From what I have read, this is obviously NOT an amateur satellite however it has another b****y FM transponder operating in our amateur bands. Some Government body has or must be associated with the funding and the development and launch of this satellite/package. The country that funded it, if it is a member of the IARU, should be "responsible" for its compliance with the requirements of an amateur satellite including, in my view frequency clearance and co-ordination. This appears not to be the case and from what I have read this is another commercial satellite using amateur radio bands. If this is, as it appears, a commercial satellite it should use non-amateur frequency allocations. It appears to me that Universities in many countries believe that they can use our frequency allocations at will for almost any application!

That said - Why can't AMSAT talk to Governments that are capable of developing and launching satellites and convince them to develop what is mainly (say 80% - there needs to be a rule) an amateur satellite with one or more linear transponders with properly co-ordinated and cleared frequencies?

Amateur Satellite operation used to be more interesting and challenging (AO-40 etc). I am almost at the point of giving up satellite operation given the current state of the "birds"!!!

I apologise if this offends anyone but these are my personal views

Iain - 5B4AGY, G3RSI (ex 5A3CAD, VO2AN)

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Allan Copland
Sent: 23 April 2009 14:12
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: ANUSAT - amateur satellite ??.

--- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> , John Hackett <archie.hackett@...> wrote:
> Hello Group,
> Regarding the Anusat satellite. I picked up the
> following snippet ...
>
> >"This micro satellite will help in storing and forwarding data.
>It will help us send confidential data, like examination papers.
>

Just a couple of small gripes from me.

1 Amateur radio communication should be non-confidential. How does that square with ..... helping send confidential data... like exam papers!!

and
2 It seems to be a private bird for non-amateur use, but on the amateur satellite allocations.

Of course, who cares anyway. 'The horse bolted from the stable many years ago and only a few of us are still looking for it' :-)

I listed some info on it about a week ago on www.observations.biz.
Look for YAUB (yet another University Bird :-)
Perhaps YABH...'yet another bands hijack' would have been more appropriate.

73 Al.

2441. ANUSAT specs.... for those with an interest.

Yahoo group: eu-amsat
Date: 2009-04-23 14:03:05 UTC
From: Allan Copland
Topic: 2441 Message: 2441

http://www.observations.biz/University_me_toos/anusatspecs.pdf

ZZZZZZZZZZZZZZZZZZzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz!!!

Al.

2442. Re: [eu-amsat] ANUSAT specs.... for those with an interest.

Yahoo group: eu-amsat
Date: 2009-04-23 16:52:05 UTC
From: Thomas Frey
Topic: 2441 Message: 2442

Allan Copland schrieb:
> http://www.observations.biz/University_me_toos/anusatspecs.pdf
>
> ZZZZZZZZZZZZZZZZZZzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz!!!
>
> Al.
>
>
>

Hello Al and group

This is the most informative document I've ever seen about ANUSat.
On page 3 the uplink and downlink frequencies are 145.8 and 435 MHz.
But I think, this are the edge freqs of our satellite bands and not
the exact frequencies.

This is the elset:

OBJECT B
1 34808U 09019B 09113.51959737 -.00000290 00000-0 00000+0 0 130
2 34808 041.2104 147.0400 0109855 029.0564 131.0207 15.29389516 538

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2443. RE: ANUSAT specs.... for those with an interest.

Yahoo group: eu-amsat
Date: 2009-04-23 17:52:19 UTC
From: John Hackett
Topic: 2441 Message: 2443

After having now read the detailed bumph on ANUSAT, I again ask ...

What advantage has this obvious 'commercial' satellite for amateur radio satellite operators? ... and ... what is it doing the the Amateur satellite band anyway?.

I too looked at the IARU frequency coordinating list but didn't find ANUSAT. I think it was Thomas or Luc, or both, who asked if the IARU advisory committee were sleeping.

I think they must have been.

Probably, it's not mandatory to be 'blessed' by the IARU but there's little doubt in my mind that this blatant ignoring of the unwritten 'rules' will lead to a spate of clones of the clones ... culminating in amateurs being banned from what were once 'amateur' frequencies.

As was mentioned previously - and a very good and valid point it was - *SOMEBODY* must have given their approval - (he means: sold us down the Swannee!) but it'd unlikely we'll ever know who - for how much - and why ... and there's nothing we can do about it anyway, after we ichose to ignore the last 12 years of warnings that this would happen.

Some will say I have a pessimistic view of the state of affairs ... but looking at the current crop of satellites and comparing them to the days of RS-10, RS-12, RS-15, FO-20 and AO-13 ... I for one wouldn't use the term 'progress'.

I think most operators would agree if one *WAS* to go for a LEO satellite, a LINEAR bird of the RS type would have been a better choice, allowing several users at the same time.

That's my opinion - and I'm sticking to it ... and no !!!, I'm *NOT* asking you (whoever you are) to agree with me.

73 John. <la2qaa@...>

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 23 Apr 2009 18:52:05 +0200
Subject: Re: [eu-amsat] ANUSAT specs.... for those with an interest.

Allan Copland schrieb:

> http://www.observations.biz/University_me_toos/anusatspecs.pdf

>

> ZZZZZZZZZZZZZZZZZZzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz!!!

>

> Al.

>

>

>

Hello Al and group

This is the most informative document I've ever seen about ANUSat.

On page 3 the uplink and downlink frequencies are 145.8 and 435 MHz.

But I think, this are the edge freqs of our satellite bands and not

the exact frequencies.

This is the elset:

OBJECT B

1 34808U 09019B 09113.51959737 -.00000290 00000-0 00000+0 0 130

2 34808 041.2104 147.0400 0109855 029.0564 131.0207 15.29389516 538

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2444. Unless I'm mistaken....

Yahoo group: eu-amsat
Date: 2009-04-23 16:28:46 UTC
From: Allan Copland
Topic: 2444 Message: 2444

Hi Folks,

One thing *does* interest me about ANUSAT.

Unless I'm mistaken, it seems to be built around the same general spaceframe design as was HM-1 ...AKA HAMSAT, AKA VO52.

This suggests that these rather substantial satellite buses (600*600*600mm and 40Kgs mass) with excellent power availability (40W @BOL) and now a 10AH battery rather than the smaller (5 or 6 I think from memory), one on HM-1, are being provided and paid for by ISRO rather than the students, with only some of the onboard systems being university supplied.

This is a completely different scenario from CUBESATs where market costs prevail and the would-be builder has to cover all the costs including launch, at market rates.

The situation is similar in some regards to the old Radio Sport birds where the spaceframes were in large part, reconditioned Small Strela (Strela-1m) ex-military items carrying student-built electronics.
The Strela-1m was a store-dump tactical comsat system used by the Russian Military.

Still, at least the RS birds delivered something of use to the average radio amateur that ANUSAT wont.

73 Al.
GM1SXX
PS.. still guessing?
For those not old enough to remember, some of the RS birds had incredibly sensitive linear transponders.

2445. Anusat Photo

Yahoo group: eu-amsat
Date: 2009-04-23 17:09:31 UTC
From: Allan Copland
Topic: 2445 Message: 2445

Posted at..

http://groups.yahoo.com/group/eu-amsat/photos/album/952508366/pic/386829934/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

.. or in the photos section under GM1SXX.

Looks suspiciously like HM1, which you may know as HAMSAT, VUSAT or even VO-52!

Al.

2446. Re: [eu-amsat] RE: ANUSAT specs.... for those with an interest.

Yahoo group: eu-amsat
Date: 2009-04-23 21:03:13 UTC
From: Thomas Frey
Topic: 2441 Message: 2446

John Hackett schrieb:
>
>
> After having now read the detailed bumph on ANUSAT, I again ask ...
>
> What advantage has this obvious 'commercial' satellite for amateur
> radio satellite operators? ... and ... what is it doing the the Amateur
> satellite band anyway?.
>
>

Hello John

ANUSat has 2 payloads. One for the universities with uplink and downlink on VHF 137 / 149 MHz (see PDF). The other payload is this "curious" store & forward payload with uplink on our 2m and downlink on our 70cm band. I think it is for 1200 bps Packet Radio in AFSK FM. See also http://beswaminathan.googlepages.com/Anusat.pdf

BUT (!) we have absolutely no informations about this payload. Also AMSAT-VU has no information. There was also no frequency coordination by IARU. I don't know the cause of this misinformation.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2447. Model? ... or not.

Yahoo group: eu-amsat
Date: 2009-04-23 21:15:09 UTC
From: John Hackett
Topic: 2441 Message: 2447

Roger Thomas,
There's some information on <http://www.observations.biz/>

There's also a picture of Hamsat 2 but I seem to recall reading some time ago
that this was in fact a 'model' - (as opposed to a real 'flight' construction).

However, I have no verification of that last statement, I may (or may not) be
confusing it with another model someone in Amsat-India built a while back, to illistrate
the planned Hamsat 2.

The 'Injun' Space organisation (ISRO) seems to have taken a leaf out of the
Russian Cosmotras's books regarding keeping information under wraps.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Thu, 23 Apr 2009 23:03:13 +0200
Subject: Re: [eu-amsat] RE: ANUSAT specs.... for those with an interest.

John Hackett schrieb:

>

>

> After having now read the detailed bumph on ANUSAT, I again ask ...

>

> What advantage has this obvious 'commercial' satellite for amateur

> radio satellite operators? ... and ... what is it doing the the Amateur

> satellite band anyway?.

>

>

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ANUSat has 2 payloads. One for the universities with uplink and

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"curious" store & forward payload with uplink on our 2m and

downlink on our 70cm band. I think it is for 1200 bps Packet Radio

in AFSK FM. See also http://beswaminathan.googlepages.com/Anusat.pdf

BUT (!) we have absolutely no informations about this payload. Also

AMSAT-VU has no information. There was also no frequency coordination

by IARU. I don't know the cause of this misinformation.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2448. Re: ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-23 19:56:06 UTC
From: st2nh
Topic: 2431 Message: 2448

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Group,
> Regarding the Anusat satellite. I picked up the
> following snippet ...
>
> >"This micro satellite will help in storing and forwarding data.
> >It
> will help us send confidential data, like examination papers.
>
> >Anna University
> vice-chancellor Dr P. Mannar Jawahar.
>
> One wonders (specifically, LA2QAA) - what 'confidential data like examination
> papers' - would be doing on an 'amateur satellite'.
>
> Apparently, a V/U store and forward satellite, does anyone have any pertinent information
regarding freqencies and a timeframe for when this satellite will be
> available for amateur use ??.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Wed, 22 Apr 2009 21:15:35 +0000
> Subject: [eu-amsat] ANUSAT launched
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> The student-built 40-kg micro educational satellite ANUSAT carrying an Amateur Radio payload was launched on Monday April 20 from the Indian Space Research Organisation (ISRO) Satish Dhawan space centre.
>
>
>
> The launch vehicle was ISRO's PSLV-C12, which as well as ANUSAT also carried RISAT-2, a 300-kg radar imaging satellite.
>
>
>
> ANUSAT (Anna University Satellite) is the first satellite built by an Indian University under the overall guidance of ISRO and will demonstrate the technologies related to message store and forward operations.
>
>
>
> The Amateur Radio payload is a 145/435 MHz Digital Store and Forward system developed by students at the university and the planned orbit was at 550 km with an inclination of 41 degrees.
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> SOURSE= Southgate Radio Club Website
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> 73's
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> Nader , st2nh
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> www.st2nh.com
>

2449. Re: Anusat - the reply.

Yahoo group: eu-amsat
Date: 2009-04-23 17:48:55 UTC
From: Bratu Florian Gabriel
Topic: 2431 Message: 2449

> Or.. If the mountain don't comes to you, you have to climb the mountain.
>

or " If Mahomed is not going to mountain, the mountain come to Mahomed"

Hi
Hallo Thomas and all friends
I think i found a possible explanation to this weared satellite.
Maby it was build by the students from Indian secret service.
The local KGB.
So all the mesage will be encrypted. They put the news online for us more like a chalenge to break the code. Something like a secret code beta tester.
I'm in!
.....
And seriouse, real problem is what is happening with IARU?
The hamradio bands are free to use but acording the law only by autorized hamradio stations.

2450. Re: ANUSAT - amateur satellite ??.

Yahoo group: eu-amsat
Date: 2009-04-23 19:51:22 UTC
From: st2nh
Topic: 2431 Message: 2450

Let us wait and see!!

Some History !!

1981: UoSAT-OSCAR 9

Great Britain was an early leader in spaceflight and satellite technology, launching its Black Knight satellite from Australia in 1971. Students at the University of Surrey were eager to get hands on experience. Those who were radio amateurs designed and built a Phase-2 hamsat known as UoSAT, short for University of Surrey Satellite.

1970: OSCAR-5

OSCAR-5, also known as Australis-OSCAR-5, was designed and built by students in the Astronautical Society and Radio Club at the University of Melbourne, Australia.

sourse space today online

73's
Nader , st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Group,
> Regarding the Anusat satellite. I picked up the
> following snippet ...
>
> >"This micro satellite will help in storing and forwarding data.
> >It
> will help us send confidential data, like examination papers.
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> >Anna University
> vice-chancellor Dr P. Mannar Jawahar.
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> One wonders (specifically, LA2QAA) - what 'confidential data like examination
> papers' - would be doing on an 'amateur satellite'.
>
> Apparently, a V/U store and forward satellite, does anyone have any pertinent information regarding freqencies and a timeframe for when this satellite will be
> available for amateur use ??.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com

> From: st2nh@...
> Date: Wed, 22 Apr 2009 21:15:35 +0000
> Subject: [eu-amsat] ANUSAT launched
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> The student-built 40-kg micro educational satellite ANUSAT carrying an Amateur Radio payload was launched on Monday April 20 from the Indian Space Research Organisation (ISRO) Satish Dhawan space centre.
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> The launch vehicle was ISRO's PSLV-C12, which as well as ANUSAT also carried RISAT-2, a 300-kg radar imaging satellite.
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>
> ANUSAT (Anna University Satellite) is the first satellite built by an Indian University under the overall guidance of ISRO and will demonstrate the technologies related to message store and forward operations.
>
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>
> The Amateur Radio payload is a 145/435 MHz Digital Store and Forward system developed by students at the university and the planned orbit was at 550 km with an inclination of 41 degrees.
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>
> SOURSE= Southgate Radio Club Website
>
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>
> 73's
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> Nader , st2nh
>
> www.st2nh.com
>

2451. AO-51 V/S mode

Yahoo group: eu-amsat
Date: 2009-04-24 20:23:42 UTC
From: Luc Leblanc
Topic: 2451 Message: 2451

On the 1809 pass i heard G1OCN but he never hear me even if i was able to hear my downlink at this very low pass 5 deg max.
Just in case someone can pass him this info.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2452. LEO Distance.

Yahoo group: eu-amsat
Date: 2009-04-25 19:06:26 UTC
From: John Hackett
Topic: 2452 Message: 2452
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Group,
If one looks at the attached pic of an SO-50 pass from Nova
for this evening, one will no doubt notice that the maximum (theoretical)
distance one can work is 6295 Km - (according to Ask Jeeves) - from Porto
in Portugal in the west to Zomin, Uzbekistan in the east.

Now, by anybody's! standards that's quite a distance for a LEO fchugging along
at only 6000 Km over the earth - (give or take the odd fathom or two).

All we need now is to get the Uzbeki's up and running with a 74.4 hertz tone.

The particular orbit I've illustrated also covers Svalbard in the north to southern
Libya in the south ... (three continents folks, Europe, Africa and Asia).

Since this aging satellite is 'underpopulated' and slightly harder to work, it might
be a good candidate for relieving some of the tension on AO-51.

Details of how to work it follows ...

NB.

There have been unconfirmed reports on the amsat-bb remailer that SO-50 has

shifted downlink frequency as much as 5khz up. This both from Europe.

.....
.....

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.

The order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.

2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater on and off
within the 10 Minute window.

3) Sending the 74.4 tone again within the 10 minute window will reset the 10 minute timer.
.....
.....

Just my two quid's worth.

73 John. <la2qaa@...>

2453. New to Satellites

Yahoo group: eu-amsat
Date: 2009-04-27 04:43:00 UTC
From: harry_7z1hl
Topic: 2453 Message: 2453

Hey All,
I am brandnew into the satellite subject and would like to briefly introduce myself. Harry, German, 7Z1HL, age 54, location Riyadh (LL34jr), TRX IC910H, antennas homebuilt 4-el VHF and 8-el UHF (tnx to G0KSC design)at 30deg elevation with TV-rotor.
After abt 40.000 CW-QSO on HF within 3 years I thought it's time for a change, hence my sudden interest (and investment) in satellites. I managed so far 2 QSO and could have done more if I knew how to handle my chaos of all the fequency adjustments for inverting and doppler etc within the given time of a few minutes that the bird is available.
Hence a quick question: What is the best practice to set my TX frequency correctly when I hear someone calling cq on an inverting linear transponder and I don't want to disturb others too much with whistling and tuning?
Also, is there any CW on the satellites? I love CW but did not hear any signs of it yet from space...
Anyway, hope to meet you soon on air (or rather vacuum) and look forward to any response.
73, Harry, 7Z1HL

2454. Re: New to Satellites

Yahoo group: eu-amsat
Date: 2009-04-27 06:32:23 UTC
From: Igor
Topic: 2453 Message: 2454

--- In eu-amsat@yahoogroups.com, "harry_7z1hl" <7z1hl@...> wrote:

Hello Harry!

> Hence a quick question: What is the best practice to set my TX frequency correctly when I hear someone calling cq on an inverting linear transponder and I don't want to disturb others too much with whistling and tuning?

I know one way - using tracking software. You transceiver must have interface for it. I remember Orbitron, SatPC32, Ham Radio DeLuxe, and using first two. But some words about tuning. If you transmit dots series for a short time and quickly tuning you TX for listening you own, it's not a fatal problem for linear birds, but critical for FM.

> Also, is there any CW on the satellites? I love CW but did not hear any signs of it yet from space...

Yes, CW is live :) But not fair activity, only 1-2 station per session via VO-52. Especially FO-29 bird. Usually no CW op's on this bird.
Via AO-7 you may heard Up to 3-5 CW stations fer session, but at the next orbit you will heard the same calls :)

> Anyway, hope to meet you soon on air (or rather vacuum) and look forward to any response.
> 73, Harry, 7Z1HL

73, Igor, RW3XL!

2455. Re: [amsat-bb] Google

Yahoo group: eu-amsat
Date: 2009-04-27 08:13:37 UTC
From: Luc Leblanc
Topic: 2455 Message: 2455

On 27 Apr 2009 at 0:57, Jeff Yanko wrote:

> Hi all!
>
> If you haven't done so already, bring up the Google home page and look where
> the name Google would normally be. I never thought about his birthday today
> and I think it was awfully nice of the people at Google to remind us.
>
>
> 73,
>
> Jeff WB3JFS

You have to put your mouse hand or arrow over it to have the explanation!

If you ever ask yourself what programming structures is needed to have your mouse arrow moving across your PC screen check this:

http://2006.1-click.jp/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2456. welcome Harry to sat

Yahoo group: eu-amsat
Date: 2009-04-27 12:06:26 UTC
From: st2nh
Topic: 2453 Message: 2456

Hello Harry
So you Hooked up with birds
very happy for you my friend Harry
Pse feel free to call me or email me for any help
for sure you have my cellphone number
your friend
Nader
st2nh/hz1nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "harry_7z1hl" <7z1hl@...> wrote:
>
> Hey All,
> I am brandnew into the satellite subject and would like to briefly introduce myself. Harry, German, 7Z1HL, age 54, location Riyadh (LL34jr), TRX IC910H, antennas homebuilt 4-el VHF and 8-el UHF (tnx to G0KSC design)at 30deg elevation with TV-rotor.
> After abt 40.000 CW-QSO on HF within 3 years I thought it's time for a change, hence my sudden interest (and investment) in satellites. I managed so far 2 QSO and could have done more if I knew how to handle my chaos of all the fequency adjustments for inverting and doppler etc within the given time of a few minutes that the bird is available.
> Hence a quick question: What is the best practice to set my TX frequency correctly when I hear someone calling cq on an inverting linear transponder and I don't want to disturb others too much with whistling and tuning?
> Also, is there any CW on the satellites? I love CW but did not hear any signs of it yet from space...
> Anyway, hope to meet you soon on air (or rather vacuum) and look forward to any response.
> 73, Harry, 7Z1HL
>

2457. Re: welcome Harry to sat

Yahoo group: eu-amsat
Date: 2009-04-27 12:23:39 UTC
From: harry_7z1hl
Topic: 2453 Message: 2457

Hey Nader,
thanks for your welcoming words. I found out that there is a lot to learn for working the satellites efficiently, but that's what a hobby is about. If I have any urgent issues I will call you, I have your number. Otherwise I will go through this forum, hopefully to the benefit of other readers. I hope to meet you "upstairs", hihi.
73, Harry

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hello Harry
> So you Hooked up with birds
> very happy for you my friend Harry
> Pse feel free to call me or email me for any help
> for sure you have my cellphone number
> your friend
> Nader
> st2nh/hz1nh
> www.st2nh.com
>
>
> --- In eu-amsat@yahoogroups.com, "harry_7z1hl" <7z1hl@> wrote:
> >
> > Hey All,
> > I am brandnew into the satellite subject and would like to briefly introduce myself. Harry, German, 7Z1HL, age 54, location Riyadh (LL34jr), TRX IC910H, antennas homebuilt 4-el VHF and 8-el UHF (tnx to G0KSC design)at 30deg elevation with TV-rotor.
> > After abt 40.000 CW-QSO on HF within 3 years I thought it's time for a change, hence my sudden interest (and investment) in satellites. I managed so far 2 QSO and could have done more if I knew how to handle my chaos of all the fequency adjustments for inverting and doppler etc within the given time of a few minutes that the bird is available.
> > Hence a quick question: What is the best practice to set my TX frequency correctly when I hear someone calling cq on an inverting linear transponder and I don't want to disturb others too much with whistling and tuning?
> > Also, is there any CW on the satellites? I love CW but did not hear any signs of it yet from space...
> > Anyway, hope to meet you soon on air (or rather vacuum) and look forward to any response.
> > 73, Harry, 7Z1HL
> >
>

2458. Re: [eu-amsat] New to Satellites

Yahoo group: eu-amsat
Date: 2009-04-27 17:16:59 UTC
From: Eric Knaps
Topic: 2453 Message: 2458

Hello Harry,

I am also new on satellites after 20 years making ssb/cw qso's on HF.
For the moment I only work VO-52. Made 2 CW qso's and 2 SSB so far.
Trx is Yaesu FT-847. VHF antenna is a homemade 7 element (DK7ZB design)
UHF antenna is a diamond X300 groundplane but I am building a 12
elements at the moment.
No elevating rotor at the moment.
Doppler shift correction is all automatic with orbitron software.
Hope to work you soon on one of the birds...
Good luck Harry,

Eric.

Amateur radio station ON4HF
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

harry_7z1hl schreef:
>
>
> Hey All,
> I am brandnew into the satellite subject and would like to briefly
> introduce myself. Harry, German, 7Z1HL, age 54, location Riyadh
> (LL34jr), TRX IC910H, antennas homebuilt 4-el VHF and 8-el UHF (tnx to
> G0KSC design)at 30deg elevation with TV-rotor.
> After abt 40.000 CW-QSO on HF within 3 years I thought it's time for a
> change, hence my sudden interest (and investment) in satellites. I
> managed so far 2 QSO and could have done more if I knew how to handle
> my chaos of all the fequency adjustments for inverting and doppler etc
> within the given time of a few minutes that the bird is available.
> Hence a quick question: What is the best practice to set my TX
> frequency correctly when I hear someone calling cq on an inverting
> linear transponder and I don't want to disturb others too much with
> whistling and tuning?
> Also, is there any CW on the satellites? I love CW but did not hear
> any signs of it yet from space...
> Anyway, hope to meet you soon on air (or rather vacuum) and look
> forward to any response.
> 73, Harry, 7Z1HL

>
>

2459. Re: New to Satellites

Yahoo group: eu-amsat
Date: 2009-04-28 04:32:47 UTC
From: harry_7z1hl
Topic: 2453 Message: 2459

Hey Eric, also welcome from my side and good luck with getting started. I see you had already CW-QSO, that means I will keep a look out for you on VU-52 and listen for your CW-signals. Related to my work I only have time when it's almost dark here and then many satellites are hibernating to save precious energy. My weekend in Saudi Arabia is Thursday and Friday, which is also not really beneficial for meeting many people on the bands. Anyway, I will look out for you and hope to meet you soon.
73, Harry, 7Z1HL

--- In eu-amsat@yahoogroups.com, Eric Knaps <on4hf@...> wrote:
>
> Hello Harry,
>
> I am also new on satellites after 20 years making ssb/cw qso's on HF.
> For the moment I only work VO-52. Made 2 CW qso's and 2 SSB so far.
> Trx is Yaesu FT-847. VHF antenna is a homemade 7 element (DK7ZB design)
> UHF antenna is a diamond X300 groundplane but I am building a 12
> elements at the moment.
> No elevating rotor at the moment.
> Doppler shift correction is all automatic with orbitron software.
> Hope to work you soon on one of the birds...
> Good luck Harry,
>
> Eric.
>
> Amateur radio station ON4HF
> Eric Knaps
> Waterstraat 30
> B-3980 Tessenderlo
> Belgium
>
> Tel. +32472985876 (mobile)
>
> http://www.on4hf.be
>
>
>
> harry_7z1hl schreef:
> >
> >
> > Hey All,
> > I am brandnew into the satellite subject and would like to briefly
> > introduce myself. Harry, German, 7Z1HL, age 54, location Riyadh
> > (LL34jr), TRX IC910H, antennas homebuilt 4-el VHF and 8-el UHF (tnx to
> > G0KSC design)at 30deg elevation with TV-rotor.
> > After abt 40.000 CW-QSO on HF within 3 years I thought it's time for a

> > change, hence my sudden interest (and investment) in satellites. I
> > managed so far 2 QSO and could have done more if I knew how to handle
> > my chaos of all the fequency adjustments for inverting and doppler etc
> > within the given time of a few minutes that the bird is available.
> > Hence a quick question: What is the best practice to set my TX
> > frequency correctly when I hear someone calling cq on an inverting
> > linear transponder and I don't want to disturb others too much with
> > whistling and tuning?
> > Also, is there any CW on the satellites? I love CW but did not hear
> > any signs of it yet from space...
> > Anyway, hope to meet you soon on air (or rather vacuum) and look
> > forward to any response.
> > 73, Harry, 7Z1HL
> >
> >
>

2460. New File Folder for beginners

Yahoo group: eu-amsat
Date: 2009-04-28 12:08:34 UTC
From: Allan Copland
Topic: 2460 Message: 2460

Hi Group.

I'm seeing a few posts by newcomers looking for information on Amateur satellites on the reflector. I took the opportunity to post a file containing links I thought might be useful to newcomers in the FILES section of the reflector.

I'd urge other satellite enthusiasts to post their favourite satellite web links in this section as a service to help newcomers 'find their feet'.

Kind Regards,

Al
GM1SXX/AH

PS... /AH = at home with the flu.
No, not THAT sort of flu:-)

2461. Re: [eu-amsat] New File Folder for beginners

Yahoo group: eu-amsat
Date: 2009-04-28 18:31:38 UTC
From: Eric Knaps, ON4HF
Topic: 2460 Message: 2461

Thanks Al. This could help us to become an expert hi.

I just made my 5th contact on VO-52.
Worked so far:
OV5A in CW
SP9FPP in CW and SSB in same pass
EA7HTI in SSB
OK1DMP in CW (just a few minutes ago!)

If I knew this was so easy and exciting, I started sooner with working satellites.
I prefer CW at the moment because my uplink is on a vertical, so signals are a bit weak.

73 and hope to meet new friends on the birds.
Eric.

Amateur radio station ON4HF
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

Allan Copland schreef:
>
>
> Hi Group.
>
> I'm seeing a few posts by newcomers looking for information on Amateur
> satellites on the reflector. I took the opportunity to post a file
> containing links I thought might be useful to newcomers in the FILES
> section of the reflector.
>
> I'd urge other satellite enthusiasts to post their favourite satellite
> web links in this section as a service to help newcomers 'find their
> feet'.
>
> Kind Regards,
>
> Al
> GM1SXX/AH
>
> PS... /AH = at home with the flu.

> No, not THAT sort of flu:-)
>
>

2462. Re: New File Folder for beginners

Yahoo group: eu-amsat
Date: 2009-04-29 12:17:31 UTC
From: harry_7z1hl
Topic: 2460 Message: 2462

Thanks a lot Al, I had a look and it is really a comprehensive list of all kinds of information, exactly was I was looking for.
73, Harry, 7Z1HL

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> Hi Group.
>
> I'm seeing a few posts by newcomers looking for information on Amateur satellites on the reflector. I took the opportunity to post a file containing links I thought might be useful to newcomers in the FILES section of the reflector.
>
> I'd urge other satellite enthusiasts to post their favourite satellite web links in this section as a service to help newcomers 'find their feet'.
>
> Kind Regards,
>
> Al
> GM1SXX/AH
>
> PS... /AH = at home with the flu.
> No, not THAT sort of flu:-)
>

2463. L BAND RADAR

Yahoo group: eu-amsat
Date: 2009-04-30 22:36:25 UTC
From: Luc Leblanc
Topic: 2463 Message: 2463

IN THE NEWS!!!

Scientists from NASA's Jet Propulsion Laboratory, Pasadena, Calif., and Dryden Flight Research Center, Edwards, Calif., will depart Dryden
Friday, May 1, on a modified NASA Gulfstream III aircraft. In a pod beneath the aircraft's fuselage will be two JPL-developed radars that
are flying test beds for evaluating tools and technologies for future space-based radars.

One of the radars, the L-band wavelength Uninhabited Aerial Vehicle Synthetic Aperture Radar, or UAVSAR, calibrates and supplements
satellite data; the other is a proof-of-concept Ka-band wavelength radar called the Glacier and Land Ice Surface Topography Interferometer,
or GLISTIN.

Did any one knows the frequency of this L-band Radar?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2464. Re: L BAND RADAR

Yahoo group: eu-amsat
Date: 2009-05-01 07:24:30 UTC
From: Allan Copland
Topic: 2463 Message: 2464

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> One of the radars, the L-band wavelength Uninhabited Aerial Vehicle Synthetic Aperture Radar, or UAVSAR, calibrates and supplements
> satellite data; the other is a proof-of-concept Ka-band wavelength radar called the Glacier and Land Ice Surface Topography Interferometer,
> or GLISTIN.
>
> Did any one knows the frequency of this L-band Radar?

Certainly Luc.

have a look at..
http://www.pentek.com/applications/17_1/RadarSystem.cfm

Vy 73 Al.
GM1SXX

2465. Back again

Yahoo group: eu-amsat
Date: 2009-05-01 09:00:37 UTC
From: g7tzz@btinternet.com
Topic: 2465 Message: 2465

Hi all, just joined the group hoping to be back on the air soon.I've had a break from the birds to raise a family now i'm back to stay.
It looks like a good group, i certainly recognise a few callsigns.
73's de Jon G7TZZ.

2466. Re: [eu-amsat] Back again

Yahoo group: eu-amsat
Date: 2009-05-04 15:06:57 UTC
From: TERRY BROMLEY
Topic: 2465 Message: 2466

Hi John, look for you on the birds.
Terry G1WPR.
----- Original Message -----
From: g7tzz@...
To: eu-amsat@yahoogroups.com
Sent: Friday, May 01, 2009 10:00 AM
Subject: [eu-amsat] Back again

Hi all, just joined the group hoping to be back on the air soon.I've had a break from the birds to raise a family now i'm back to stay.
It looks like a good group, i certainly recognise a few callsigns.
73's de Jon G7TZZ.

2467. Three Amateur Radio CubeSats launch today

Yahoo group: eu-amsat
Date: 2009-05-05 12:47:18 UTC
From: Thomas Frey
Topic: 2467 Message: 2467

Hello All

"Three Amateur Radio CubeSats launch today" [or later...]

See http://www.southgatearc.org/news/may2009/3_cubesats_launch.htm
and http://cubesat.calpoly.edu/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2468. Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-05 13:21:03 UTC
From: Luc Leblanc
Topic: 2468 Message: 2468

It seems that money is available and it is advertised publicly! I don't know if AMSAT-NA is aware of it? interested in it? sensible to it?
able to refocused quickly their goals if any remains? Is a joint support offer to some researchers can be something to be explore?

But in the mean time amateur are bystanders spinning their wheels on ice...

Here is the text:

Please be advised that the NSF Proposal & Award Policies & Procedures Guide (PAPPG) includes revised guidelines to implement the mentoring
provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests
funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such
individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: Grant Proposal
Guide Chapter II for further information about the implementation of this new requirement).

Beginning in 2009, NSF expects to launch two to three P-PODs every year, accommodating at least as many (two to six) individual satellite
missions. This solicitation covers proposals for science missions to include satellite development, construction, testing and operation as
well as data distribution and scientific analysis.

More details at :http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09523

"-"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2469. Three new CUBESATs..... Yippee!

Yahoo group: eu-amsat
Date: 2009-05-05 13:33:09 UTC
From: Allan Copland
Topic: 2469 Message: 2469

Hi Group.

Three new CUBEsats I can't wait! I've been reading up on these birds.

Pharmasat 1
PharmaSat 1 is the first mission in NASA MicroSat Free Flyer (µSat-FF) Project, a progressive, 4 mission, 5 year effort that is targeted towards developing and demonstrating autonomous nanosatellite space platforms and technologies to support multidisciplinary science investigations

HawkSat 1 is Hawk Institute for Space Sciences (HISS) first satellite and will utilize commercial off-the-shelf components. Because of a fast-track production schedule planned to meet the upcoming launch date, the HISS design will leverage the strengths of a CubeSat kit produced by Pumpkin, Inc., a firm specializing in satellite design kits

CP6 is a 1kg cubesat project to test attitude determination and control via magnetometers and magnetorquers. The secondary mission is earth observation via two on-board cameras. Will also carry an experimental deorbit tether. A UHF transceiver will be carried with CW and 1200bd FSK AX25 transmit capabilities.

DATA Source : Gunter's Space Place.

A major contribution surely for amateur Satellite operators.... not!
Still, the good news is that the launcher will (or should) place them in a low LEO from which they should decay quickly... so it's not all bad news.

Al.
GM1SXX

2470. Orbitron and FT-847.

Yahoo group: eu-amsat
Date: 2009-05-05 19:55:48 UTC
From: Eric Knaps, ON4HF
Topic: 2470 Message: 2470

Hello sat friends,

I am using orbitron prediction software connected with my yaesu ft-847 via WispDDE for frequency control.(up and downlink)
When I work, let's say on Hamsat VO-52, my frequencies are ok. But after a while my uplink frequency is drifting away and getting worse.
I always have to re-enter the uplink frequency (slightly different) in orbitron during a pass, starting the WispDDE link again and then it's fine again.
But after some minutes the frequency is again drifted away. Is there a cure for this problem?

By the way, did you know that Hamsat VO-52 celebrates his 4th birthday today?

73
Eric.

--
Amateur radio station ON4HF
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

2471. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-05 20:07:44 UTC
From: Allan Copland
Topic: 2468 Message: 2471

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> It seems that money is available and it is advertised publicly! I don't know if AMSAT-NA is aware of it? interested in it? sensible to it?
> able to refocused quickly their goals if any remains? Is a joint support offer to some researchers can be something to be explore?
> But in the mean time amateur are bystanders spinning their wheels on ice...

Well Luc, I looked at the promise of funding but I don't see how it is of much use or interest to AMSAT. The offer seems to be the possibility to fly a CUBESAT with it's 2 to 3 watt power generation capability. Remembering that such a bird would have to cope with eclipses, it doesn't leave much useful power to do anything of use to the average radio amateur, looking for a transponding satellite.
Of course, if your thing is University 'me-too's', why not lobby your local AMSAT representative. If you find the offer exciting... why not? IMHO, this offer is clearly aimed at the educational sector and not the amateur radio satellite community. AMSAT don't get preferential offers any more. That's a perk that's had it's day.

73 Al.
GM1SXX

2472. Re: Three new CUBESATs..... Yippee!

Yahoo group: eu-amsat
Date: 2009-05-06 23:27:37 UTC
From: st2nh
Topic: 2469 Message: 2472

> the good news is that the launcher will (or should) place them in a >low LEO from which they should decay quickly... so it's not all bad >news.
> Al.
> GM1SXX

HI Al

I like your comment :-)

I'm ready for the new cube sat fun before they decay and burned!
No fun with out (smoke) hi hi

regards
73 , Nader

2473. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-06 23:43:50 UTC
From: st2nh
Topic: 2468 Message: 2473

HI OM Luc

Here is my Idea of more Funding sources!
for sure many wll say this is against Amateur Regulation!!

How much cash we can gain from to the big companies
if we stick their logo on the sat frame and on our QSL cards??

Silly idea but it may work!

73 Nader
www.st2nh.com

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> It seems that money is available and it is advertised publicly! I don't know if AMSAT-NA is aware of it? interested in it? sensible to it?
> able to refocused quickly their goals if any remains? Is a joint support offer to some researchers can be something to be explore?
>
> But in the mean time amateur are bystanders spinning their wheels on ice...
>
> Here is the text:
>
> Please be advised that the NSF Proposal & Award Policies & Procedures Guide (PAPPG) includes revised guidelines to implement the mentoring
> provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests
> funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such
> individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: Grant Proposal
> Guide Chapter II for further information about the implementation of this new requirement).
>
> Beginning in 2009, NSF expects to launch two to three P-PODs every year, accommodating at least as many (two to six) individual satellite
> missions. This solicitation covers proposals for science missions to include satellite development, construction, testing and operation as
> well as data distribution and scientific analysis.
>
> More details at :http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09523
>
>
> "-"

>
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

2474. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-04-24 00:55:17 UTC
From: Luc Leblanc
Topic: 2468 Message: 2474

On 6 May 2009 at 23:43, st2nh wrote:

> HI OM Luc
>
> Here is my Idea of more Funding sources!
> for sure many wll say this is against Amateur Regulation!!
>
> How much cash we can gain from to the big companies
> if we stick their logo on the sat frame and on our QSL cards??
>
> Silly idea but it may work!
>
> 73 Nader
> www.st2nh.com
>
>

Allan Copeland wrote:

>AMSAT don't get preferential offers any more. That's a perk that's had
>it's day.

Hi Nader and Allan

I remember years ago Kodack or Fujii (I could be wrong here) wants to fly a sat where a loop message should be played 24/7. It was turned
down even if the message was saying something like "This is AO-XX an amateur radio satellite sponsored by Kodack..." we can hear actually
some bird sounds on FO-29 and nobody is complaining! Why not a big company logo on a QSL card if it can put a satellite in space?

An excellent idea Nader. I also even suggest that a sponsoring company can have his logo on an amateur satellite.

To answer Allan question even if i will always believe the LEO sats are not the way to go, instead of doing nothing could be AMSAT-NA can
take some time to see if they can have a joint venture with those universities even if they are quite able to do their own things without
AMSAT.

What else remain for AMSAT? I'm tempted to say nothing? It's look like a mission and goals bankruptcy! Very sad to say but 2008 was a very
hollow year they reach as the economy an historical low and 2009 does not look like much better.

Amateur satellite users are living on their remains AO-07 a Zombie sat AO-16 is shaking, FO-29 and AO-27 fell down like the Christ for

their second time but they manage to get up again until their last fall. VO-52 and AO-51 and ISS remain in good shape but with the time
passing they will too reach the world of the deads.

The only light we can see is coming from AMSAT-DL but there too things are not better on the side of a free ride or at least a cheap one.

If one day all the amateur satellite stop working i don't know what i will do with my setup here? And i don't know what the satellite world
looks like in Australia and New Zeland? with the LEO fleet box sat!s They surely missed AO-40.

That's why i say instead of doing nothing AMSAT can try to get involved with the universities and the researchers.

P.S. what about a couple of LEO sat deployed with their transponder linked? is a near HEO foot print can be achieved? even in a low orbit
with 3 sats 4 sats or 5 sats? Could be a bunch of cubes can makes the job? If 3 satellites are moving at the same speed and if they remain
exactly at the same distance form each others is a zero doppler can be possible between them making an excellent way to even linked single
channel sats.

Have a good nite folk's

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2475. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 07:55:24 UTC
From: Allan Copland
Topic: 2468 Message: 2475

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> That's why i say instead of doing nothing AMSAT can try to get involved with the universities and the researchers.
>

AMSAT isn't doing nothing. I remember delegates being told at a Univerity of Surrey 'bash' many years ago that 'if AMSAT didn't get into bed with the Universities, the organisation would have no fuiture'..... or something like that...worded in a very similar manner.

They did... and look whats happened. Lots of Cubesats (to win degrees for the students) that mostly are pretty much clones of each other and have nothing of interest on board for the average Joe Ham, but of course masquerading as 'amateur radio satellites' to obtain a free downlink.
A win win situation for the Universities.
What did AMSAT gain from the 'new order'?.... diddley.
Nothing at all 'rubbed off' on AMSAT as a result of cosying up with the Universities.

I might suggest 'waking up and smelling the coffee' but it's at least a decade too late for that. Perhaps more of us should have stood up against the AMSAT propaganda machine. As I've mentioned many times to people... see SATGEN268
http://www.observations.biz/Satgen/sgen268.txt
Academia is all about furthering academia..... it's not about providing useful amateur satellite transponders.
As my old granny used to say....'Don't expect anything and you won't be disappointed'.

There *is* a funding source for AMSAT birds..... us!
The problem then becones what to subsidise.
Not everyone wants Molniyas or prestige projects like AO-40. We have to pay full whack for launches now.... so small is beautiful... but IMHO NOT cubesat sized. The CUBESAT format is useless for transponder birds.
Smaller eggs and baskets are now required.
In the real world, it's all too common nowadays. It's called downsizing.

73 Al.
GM1SXX
'So many eggs.... so few baskets'. With apologies to G3RWL:-)

2476. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 09:19:08 UTC
From: Thomas Frey
Topic: 2468 Message: 2476

st2nh schrieb:
> HI OM Luc
>
> Here is my Idea of more Funding sources!
> for sure many wll say this is against Amateur Regulation!!
>
> How much cash we can gain from to the big companies
> if we stick their logo on the sat frame and on our QSL cards??
>
> Silly idea but it may work!
>
> 73 Nader
> www.st2nh.com
>
>
>

Hello Nader and group

No, its not silly, this is a very good idea to fly the logo to space.
See the example of SwissCube: http://swisscube.epfl.ch/page30936.html

But a logo on our QSL-cards is abjectly.

>
> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>> It seems that money is available and it is advertised publicly! I don't know if AMSAT-NA is aware of it? interested in it? sensible to it?
>> able to refocused quickly their goals if any remains? Is a joint support offer to some researchers can be something to be explore?
>>
>> But in the mean time amateur are bystanders spinning their wheels on ice...
>>
>> [snip]
>> "-"
>>
>>
>>
>>
>> "-"
>>
>>
>> Luc Leblanc VE2DWE
>> Skype VE2DWE
>> www.qsl.net/ve2dwe

>> WAC BASIC CW PHONE SATELLITE
>>
>>
>
>

Don't forget, HAM radio is a hobby and not a business. If we mean, we can go allone with new satellites and launches, then we need a few generous millionaires. Otherwise we have to join with Universities or other organisations. To earn money from ministries is also difficult today. To inveigh against the Universities and their CubeSats is the wrong way to earn money.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2477. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 09:51:12 UTC
From: Thomas Frey
Topic: 2468 Message: 2477

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>> That's why i say instead of doing nothing AMSAT can try to get involved with the universities and the researchers.
>>
>>
>
> AMSAT isn't doing nothing. I remember delegates being told at a Univerity of Surrey 'bash' many years ago that 'if AMSAT didn't get into bed with the Universities, the organisation would have no fuiture'..... or something like that...worded in a very similar manner.
>
> They did... and look whats happened. Lots of Cubesats (to win degrees for the students) that mostly are pretty much clones of each other and have nothing of interest on board for the average Joe Ham, but of course masquerading as 'amateur radio satellites' to obtain a free downlink.
> A win win situation for the Universities.
> What did AMSAT gain from the 'new order'?.... diddley.
> Nothing at all 'rubbed off' on AMSAT as a result of cosying up with the Universities.
>
> I might suggest 'waking up and smelling the coffee' but it's at least a decade too late for that. Perhaps more of us should have stood up against the AMSAT propaganda machine. As I've mentioned many times to people... see SATGEN268
> http://www.observations.biz/Satgen/sgen268.txt
> Academia is all about furthering academia..... it's not about providing useful amateur satellite transponders.
> As my old granny used to say....'Don't expect anything and you won't be disappointed'.
>
> There *is* a funding source for AMSAT birds..... us!
> The problem then becones what to subsidise.
> Not everyone wants Molniyas or prestige projects like AO-40. We have to pay full whack for launches now.... so small is beautiful... but IMHO NOT cubesat sized. The CUBESAT format is useless for transponder birds.
> Smaller eggs and baskets are now required.
> In the real world, it's all too common nowadays. It's called downsizing.
>
> 73 Al.
> GM1SXX
> 'So many eggs.... so few baskets'. With apologies to G3RWL:-)
>
>
>

Dear Al

As you know, we live in a democracy. A group want to go with unis "to bed", other like you wants downsizing and other wants a HEO in orbit. Thats democracy pure - wonderful!

In the meantime I go with all HAM- and CubeSats "to bed". This is my weekend hobby. And since 3 years I'm also QRV on 10m if the band is open.

"Take the bright side of life... " - with no apologies to Monty Pythons. :-)

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2478. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 11:52:08 UTC
From: Allan Copland
Topic: 2468 Message: 2478

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> Dear Al
> As you know, we live in a democracy. A group want to go with unis "to bed", other like you wants downsizing and other wants a HEO in orbit. Thats democracy pure - wonderful!
>

I'm simply reporting on what was said. Nothing more. And the 'group' concerned was AMSAT-NA, ('big daddy' AMSAT) trying to convince the AMSAT-UK membership of the merit of their 'wonderful' idea.

Some of the remainder of my post was personal opinion(to which I'm entitled).

I personally happen to believe that that 'getting into bed' with the Universities was an absolutely lousy idea, but the AMSAT 'brass' liked it, so it happened. Thats 'democracy' in action too. Somebody (not me!) voted them in... and they make decisions on OUR behalf, with little or no real consultation with the 'troops' despite cheap and effective technologies to do so being freely available at little, or no cost at all. (try Googling Surveymonkey)

Of course if you don't fancy that sort of democracy, you could always join the Communist party or the Flat Earth society. You do at least have that freedom :-)

'Always look on the bright side of life'

I agree, and I always evdeavour to, but I do believe that some ideas stink. That was one of them IMHO. I can't see any merit whatsoever in it. It all goes one way.

Meanwhile, there's a funding crisis. Lots of ideas, 'vapourware', part built birds and very little chance of seeing more than very few of them lbeing aunched in the present climate. Perhaps a big change in focus to smaller, much less ambitious and fewer projects is needed. It's pretty much all we can afford. And lest you suggest I'm being otherwise... I *am* being optimistic.

I'm wondering if anyone within AMSAT has considered approaching ISRO
for a future launch opportunity.

73 Al.
GM1SXX

2479. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 20:58:30 UTC
From: st2nh
Topic: 2468 Message: 2479

Hi all

Other idea of satellite funding .

Donation from old timer VIP Amateur operator .

eg.....

Talal BIn Abdul Aziz is a wll known old timer Amateur operator HZ1TA/SU1UN and still he loves the Amateur hobby as he mentions this
during a recent TV show ,His son is Prince Al-Waleed bin Talal bin Abdul Aziz Al Saud Arabic: is a member of the Saudi Royal Family. He is the nephew of the Saudi Arabia King Abdullah .according to the Arabian Business rich list published December 2, 2008. He is ranked by Forbes as the 22nd richest person in the world.

So who can do the contact to an old timer rich VIP ham for Donation

73 , Nader

www.st2nh.com

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
>
> > Dear Al
> > As you know, we live in a democracy. A group want to go with unis "to bed", other like you wants downsizing and other wants a HEO in orbit. Thats democracy pure - wonderful!
> >
>
> I'm simply reporting on what was said. Nothing more. And the 'group' concerned was AMSAT-NA, ('big daddy' AMSAT) trying to convince the AMSAT-UK membership of the merit of their 'wonderful' idea.
>
> Some of the remainder of my post was personal opinion(to which I'm entitled).
>
> I personally happen to believe that that 'getting into bed' with the Universities was an absolutely lousy idea, but the AMSAT 'brass' liked it, so it happened. Thats 'democracy' in action too. Somebody (not me!) voted them in... and they make decisions on OUR behalf, with little or no real consultation with the 'troops' despite cheap and effective technologies to do so being freely available at little, or no cost at all. (try Googling Surveymonkey)
>
> Of course if you don't fancy that sort of democracy, you could always join the Communist party or the Flat Earth society. You do at least have that freedom :-)
>
> 'Always look on the bright side of life'
>

> I agree, and I always evdeavour to, but I do believe that some ideas stink. That was one of them IMHO. I can't see any merit whatsoever in it. It all goes one way.
>
> Meanwhile, there's a funding crisis. Lots of ideas, 'vapourware', part built birds and very little chance of seeing more than very few of them lbeing aunched in the present climate. Perhaps a big change in focus to smaller, much less ambitious and fewer projects is needed. It's pretty much all we can afford. And lest you suggest I'm being otherwise... I *am* being optimistic.
>
> I'm wondering if anyone within AMSAT has considered approaching ISRO
> for a future launch opportunity.
>
> 73 Al.
> GM1SXX
>

2480. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-07 22:48:22 UTC
From: Thomas Frey
Topic: 2468 Message: 2480

st2nh schrieb:
> Hi all
>
>
> Other idea of satellite funding .
>
> Donation from old timer VIP Amateur operator .
>
> eg.....
>
> Talal BIn Abdul Aziz is a wll known old timer Amateur operator HZ1TA/SU1UN and still he loves the Amateur hobby as he mentions this
> during a recent TV show ,His son is Prince Al-Waleed bin Talal bin Abdul Aziz Al Saud Arabic: is a member of the Saudi Royal Family. He is the nephew of the Saudi Arabia King Abdullah .according to the Arabian Business rich list published December 2, 2008. He is ranked by Forbes as the 22nd richest person in the world.
>
> So who can do the contact to an old timer rich VIP ham for Donation
>
>
> 73 , Nader
>
> www.st2nh.com
>
>
>

Hello Nader

YOU are our man for such a contact !! ;-)

This is what I speak about. The money is on the street, but you have
to know how to acquire it.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2481. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-04-23 23:55:12 UTC
From: Luc Leblanc
Topic: 2468 Message: 2481

On 8 May 2009 at 0:48, Thomas Frey wrote:

> st2nh schrieb:
> > Hi all
> >
> >
> > Other idea of satellite funding .
> >
> > Donation from old timer VIP Amateur operator .
> >
> > eg.....
> >
> > Talal BIn Abdul Aziz is a wll known old timer Amateur operator HZ1TA/SU1UN and still he loves the Amateur hobby as he mentions this
> > during a recent TV show ,His son is Prince Al-Waleed bin Talal bin Abdul Aziz Al Saud Arabic: is a member of the Saudi Royal Family. He is the nephew of the Saudi Arabia King Abdullah .according to the Arabian Business rich list published December 2, 2008. He is ranked by Forbes as the 22nd richest person in the world.
> >
> > So who can do the contact to an old timer rich VIP ham for Donation
> >
> >
> > 73 , Nader
> >
> > www.st2nh.com
> >
> >
> >
>
> Hello Nader
>
> YOU are our man for such a contact !! ;-)
>
> This is what I speak about. The money is on the street, but you have
> to know how to acquire it.
>

I agree! never expect a NO or a YES just ask for it and if you speak the same language you have a +

If you have ever had a table at a hamfest you will be asthonisgh to see how many people ask for an item price on your table and just pay
that amount. When i am a buyer i always start with an insulting offer the worse you can get it's a loud NO but it is worthy if you bring
someone with you and just ask him to return to this table later and just offer 25% more, you often got a deal...

Bottom line the silliest idea are always those who work's!

P.S. my goal with this thread is to try to awake us about the void we are in actually.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2482. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 07:58:50 UTC
From: st2nh
Topic: 2468 Message: 2482

HI

Yes I can do the contact,I have many friends at Hzland (VIP friends)!!

But IMHO the proper approach to such VIP person suppose to be via
well known Organization eg AMSAT-DL.

For sure we can start this just by sending an elegant letters from such Organizations.

Let us try ,So who can inform those Orgnazations about our ideas.

;-)

73, Nader

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On 8 May 2009 at 0:48, Thomas Frey wrote:
>
> > st2nh schrieb:
> > > Hi all
> > >
> > >
> > > Other idea of satellite funding .
> > >
> > > Donation from old timer VIP Amateur operator .
> > >
> > > eg.....
> > >
> > > Talal BIn Abdul Aziz is a wll known old timer Amateur operator HZ1TA/SU1UN and still
he loves the Amateur hobby as he mentions this
> > > during a recent TV show ,His son is Prince Al-Waleed bin Talal bin Abdul Aziz Al Saud
Arabic: is a member of the Saudi Royal Family. He is the nephew of the Saudi Arabia King
Abdullah .according to the Arabian Business rich list published December 2, 2008. He is
ranked by Forbes as the 22nd richest person in the world.
> > >
> > > So who can do the contact to an old timer rich VIP ham for Donation
> > >
> > >
> > > 73 , Nader
> > >
> > > www.st2nh.com
> > >
> > >
> > >
> >
> > Hello Nader

> >
> > YOU are our man for such a contact !! ;-)
> >
> > This is what I speak about. The money is on the street, but you have
> > to know how to acquire it.
> >
>
>
> I agree! never expect a NO or a YES just ask for it and if you speak the same language you have a +
>
> If you have ever had a table at a hamfest you will be asthonisgh to see how many people ask for an item price on your table and just pay
> that amount. When i am a buyer i always start with an insulting offer the worse you can get it's a loud NO but it is worthy if you bring
> someone with you and just ask him to return to this table later and just offer 25% more, you often got a deal...
>
> Bottom line the silliest idea are always those who work's!
>
> P.S. my goal with this thread is to try to awake us about the void we are in actually.
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
>

2483. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 09:31:39 UTC
From: Thomas Frey
Topic: 2468 Message: 2483

st2nh schrieb:
> HI
>
> Yes I can do the contact,I have many friends at Hzland (VIP friends)!!
>
> But IMHO the proper approach to such VIP person suppose to be via
> well known Organization eg AMSAT-DL.
>
> For sure we can start this just by sending an elegant letters from such Organizations.
>
> Let us try ,So who can inform those Orgnazations about our ideas.
>
> ;-)
>
> 73, Nader
>
>
>

Super Nader, you can inform Peter Guelzow, db2os[at]amsat.org. He has
always an open ear for donations for the P3E-project.

Thank you Nader, let us informed.

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2484. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 09:35:15 UTC
From: Allan Copland
Topic: 2468 Message: 2484

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi all
>
>
> Other idea of satellite funding .
>
> Donation from old timer VIP Amateur operator .
>

Yet again, this type of source has been used before, but 'there's no such thing as a free lunch'. Large donations generally come with 'strings' attached, such as flying a specific payload or flying a certain experiment. Democracy? Well thats goes straight out the nearest window. I think the real issue here is not so much lack of funding as supporting too many projects. The goalposts have been moved since the good old days so we must be less ambitious in terms of what we can have launched.
Just my 2Pence worth.

73 Al.
GM1SXX

2485. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 10:36:10 UTC
From: st2nh
Topic: 2468 Message: 2485

HI

The old good days ohhhhhhhh!!!!!!!!!-ve comment ,very depressive
webbing comment!!!!!!!IMHO

let think more +ve about the good coming days!

73's Nader

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> > Hi all
> >
> >
> > Other idea of satellite funding .
> >
> > Donation from old timer VIP Amateur operator .
> >
>
> Yet again, this type of source has been used before, but 'there's no such thing as a free lunch'. Large donations generally come with 'strings' attached, such as flying a specific payload or flying a certain experiment. Democracy? Well thats goes straight out the nearest window. I think the real issue here is not so much lack of funding as supporting too many projects. The goalposts have been moved since the good old days so we must be less ambitious in terms of what we can have launched.
> Just my 2Pence worth.
>
> 73 Al.
> GM1SXX
>

2486. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 12:01:29 UTC
From: Thomas Frey
Topic: 2468 Message: 2486

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>> Hi all
>>
>>
>> Other idea of satellite funding .
>>
>> Donation from old timer VIP Amateur operator .
>>
>>
>
> Yet again, this type of source has been used before, but 'there's no such thing as a free lunch'. Large donations generally come with 'strings' attached, such as flying a specific payload or flying a certain experiment. Democracy? Well thats goes straight out the nearest window. I think the real issue here is not so much lack of funding as supporting too many projects. The goalposts have been moved since the good old days so we must be less ambitious in terms of what we can have launched.
> Just my 2Pence worth.
>
> 73 Al.
> GM1SXX
>
>
>

Al, you are pessimistic. Let Nader do the contact and lets hope. The conditions are not our problem. I'm sure, Peter makes a good job.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2487. Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 13:23:28 UTC
From: Allan Copland
Topic: 2468 Message: 2487

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> Al, you are pessimistic. Let Nader do the contact and lets hope. The
> conditions are not our problem. I'm sure, Peter makes a good job.

Actually, I'm a realist. I'm not a pessimistic type of person, but I do realise that the lack of a focused overall strategy is part of the 'problem'. The money is out there, but the fact is that there are far too many competing demands chasing it.
How about 'simpler,fewer,less ambitious' as a slogan ..... cutting the cloth to suit the available budget. I suspect that many of the amateur satellites currently being built or in development simply won't ever fly because the money is simply not available to launch them.

As to external money sources. Money and altruistism don't usually go hand in hand. There are almost always strings attached. If Nader can find some external funding great... so long as it can do something genuinely useful for satellite users.

73 Al.
GM1SXX

2488. Re: [eu-amsat] Re: Satellite funding sources!

Yahoo group: eu-amsat
Date: 2009-05-08 13:42:46 UTC
From: Luc Leblanc
Topic: 2468 Message: 2488

On 8 May 2009 at 14:01, Thomas Frey wrote:

>
> Al, you are pessimistic. Let Nader do the contact and lets hope. The
> conditions are not our problem. I'm sure, Peter makes a good job.
>

Among the present amateur radio satellite fans we should create a new club called "members for a positive action" as my previous Hamfest
story one individual cannot do much but it take.s only one other individual to achieved a mission. Is an ARISS contact in HZ can be a kind
of introduction letter? The ways and the means will always be a self marketer choice. I see Nader as an ingnator.

oi , , ,
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2489. OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 08:47:15 UTC
From: Allan Copland
Topic: 2489 Message: 2489

More information at..
http://www.leodium.ulg.ac.be/cmsms/

2M up / 70Cms down bird carrying D-STAR.

"OUFTI-1 will use the amateur radio communication bands (145 MHz for the uplink and 435 MHz for the downlink). The primary communication system relies on the D-STAR protocol. In the event the D-STAR system fails, the reliable telegraphy beacon should still be operational, in which case any ham-radio operator anywhere in the world will be able to listen to the beacon telemetry, and send it over to us."

Due for launch late 2009 on ESA VEGA small launcher.

Al.
GM1SXX

2490. DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 09:56:43 UTC
From: John Hackett
Topic: 2489 Message: 2490

Hello Al,
I was attempting to send this to the OUFTI folks but couldn't find
a return address.
.....

To whom it may concern,
I enjoyed reading the information about OUFTI-1
but should point out an error in your Web page FAQ.

>OUFTI-1 will be the first satellite to test the use
>of the D-STAR communication protocol in space.

The D-Star protocol was tested successfully on the AO-27 satellite quite
some time ago - (see the AO-27 home page).

73 John. <la2qaa@amsat.org>

Homepage: www.observations.biz

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Mon, 11 May 2009 08:47:15 +0000
Subject: [eu-amsat] OUFTI-1 DSTAR Cubesat

More information at..

http://www.leodium.ulg.ac.be/cmsms/

2M up / 70Cms down bird carrying D-STAR.

"OUFTI-1 will use the amateur radio communication bands (145 MHz for the uplink and 435 MHz for the downlink). The primary communication system relies on the D-STAR protocol. In the event the D-STAR system fails, the reliable telegraphy beacon should still be operational, in which case any ham-radio operator anywhere in the world will be able to listen to the beacon telemetry, and send it over to us."

Due for launch late 2009 on ESA VEGA small launcher.

Al.

GM1SXX

2491. Re: [eu-amsat] OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 10:13:20 UTC
From: Thomas Frey
Topic: 2489 Message: 2491

Allan Copland schrieb:
> More information at..
> http://www.leodium.ulg.ac.be/cmsms/
>
> 2M up / 70Cms down bird carrying D-STAR.
>
> "OUFTI-1 will use the amateur radio communication bands (145 MHz for the uplink and 435 MHz for the downlink). The primary communication system relies on the D-STAR protocol. In the event the D-STAR system fails, the reliable telegraphy beacon should still be operational, in which case any ham-radio operator anywhere in the world will be able to listen to the beacon telemetry, and send it over to us."
>
> Due for launch late 2009 on ESA VEGA small launcher.
>
>
> Al.
> GM1SXX
>
>

Hello All

D-Star on a satellite is new and interesting. Its digital as 9k6
Packet Radio is but with voice. But on a CubeSat without sufficing
power budget ? Hmm... I have my doubts.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2492. Re: DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 10:17:27 UTC
From: Allan Copland
Topic: 2489 Message: 2492

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

> The D-Star protocol was tested successfully on the AO-27 satellite quite some time ago - (see the AO-27 home page).
> 73 John. <la2qaa@...>
>
Very true John, but AO27 was operating as an analogue repeater whereas OUFTI-1 will most likely operate as a pukka D-STAR repeater.

I do remember experiments being done some time ago in a similar manner to determine if TCP/IP Internetworking protocol could be used in a ground-space-ground based system using an amateur bird (can't remember which one). It worked... sort of, but at the end of the day, it was still digital over analogue link.

The point I'm making is that there's a difference between transponding an accurate analogue copy of a digital signal and actively regenerating and re-framing the signal data for transmission. A real D-Star repeater does more than retransmit what it hears.

I notice that quite a few early users of D-STAR in this area have sold up and gone back to plain old analogue radio, but maybe there is a niche for it on some satellites. Time will tell.

73 Al.
GM1SXX

2493. Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 10:33:25 UTC
From: Allan Copland
Topic: 2489 Message: 2493

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> D-Star on a satellite is new and interesting. Its digital as 9k6
> Packet Radio is but with voice. But on a CubeSat without sufficing
> power budget ? Hmm... I have my doubts.
>
Yes Thomas, I would agree that power (or the lack of) is likely to be an issue. A single CUBESAT cannot generate much power, only a few watts (maximum) so it's difficult to imagine how any more than short bursts of communication will be possible. I don't see any advantage in flying D-STAR over analogue, but fortunately it's not my money thats being spent :-)

73 Al.
GM1SXX

2494. RE: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 21:09:05 UTC
From: John Hackett
Topic: 2489 Message: 2494

Hello Al and group,
Well, I'm still 'messing about' with the IC-E92D and
D-Star.

A couple of 'OBSERVATIONS' so far ...

Here in NOG (Norway) D-Star is generating the same discussion level as
that old evergreen - Is Echolink really 'radio' ... or is it not ??.

Why are other manufacturers *NOT* producing D-Star systems? ... yes,
I know !!! it's 'supposed' to be an open protocol but Kenwood and Yaesu
may be loathe to impliment a competitor's protocol - (or maybe not).

If I'm to fill in the 4 callsigns, mycall, yourcall, RPT1 (the repeater I'm using)
and RPT2 (the repeater the other station is using) with either the suffix A
(for 1.2G), B (for 70cms), or C (for 2m) to get around the world with D-Star
... why on earth! wouldn't I do essentially the same thing with the analogue Echolink? ...

One argument on the positive side is bandwidth. 6.25 digital as opposed
to 25Khz analogue ... for the same integrity of signal.

(... err, I suppose I could always use the IC-E92D as an analogue rig and
use FM on ZOOSAT - aka AO-51).

Like Buddy Holly sang ... That'll Be The Day ... (remember that one Al?).

I 'have' registered that some people have been disappointed with D-Star
but I can't help wondering if it's because it's relatively 'new'.

I'm old enough to remember the hue and cry when SSB was introduced, in fact,
I was at the research and developement centre at Porton Down at the time ...
(they were playing with 'nasty' substances to put in the drinking water, classified,
I'm afraid) - while we were 'testing' radio gear.

The same arguments were 'launched' ... this new-fangled SSB will never !!!
catch on ... err, it did.

Time will tell if 'digital' radio takes off.

It should be noted that 'digital' radio (read: packet) kept amateur radio 'alive'
through the late 80's and early 90's until the Internet became popular.

Power, hrm, interesting, I was labouring under the dilusion that a digital
signal used *LESS* power than an analogue signal ??? ...

The PE1RAH single cubesat size Picoponder runs on 3.5v so I wonder if power
really is an issue ???.

Food for thought?.

Comments folks ??.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...m
Date: Mon, 11 May 2009 10:33:25 +0000
Subject: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>

> D-Star on a satellite is new and interesting. Its digital as 9k6

> Packet Radio is but with voice. But on a CubeSat without sufficing

> power budget ? Hmm... I have my doubts.

>

Yes Thomas, I would agree that power (or the lack of) is likely to be an issue. A single CUBESAT cannot generate much power, only a few watts (maximum) so it's difficult to imagine how any more than short bursts of communication will be possible. I don't see any advantage in flying D-STAR over analogue, but fortunately it's not my money thats being spent :-)

73 Al.

GM1SXX

2495. Re: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-11 23:16:57 UTC
From: Thomas Frey
Topic: 2489 Message: 2495

John Hackett schrieb:
>
>
> Hello Al and group,
> Well, I'm still 'messing about' with the
> IC-E92D and
> D-Star.
>
> A couple of 'OBSERVATIONS' so far ...
>
> Here in NOG (Norway) D-Star is generating the same discussion level as
> that old evergreen - Is Echolink really 'radio' ... or is it not ??.

Hello John

Echolink is a mix of both, radio and internet. The radio purist will
say "pah internet..." (and sits at his PC and surfs in the internet) :-)

>
> Why are other manufacturers *NOT* producing D-Star systems? ... yes,
> I know !!! it's 'supposed' to be an open protocol but Kenwood and Yaesu
> may be loathe to impliment a competitor's protocol - (or maybe not).
>
> If I'm to fill in the 4 callsigns, mycall, yourcall, RPT1 (the
> repeater I'm using)
> and RPT2 (the repeater the other station is using) with either the
> suffix A
> (for 1.2G), B (for 70cms), or C (for 2m) to get around the world with
> D-Star
> ... why on earth! wouldn't I do essentially the same thing with the
> analogue Ec holink? ...
>
> One argument on the positive side is bandwidth. 6.25 digital as opposed
> to 25Khz analogue ... for the same integrity of signal.
>
> (... err, I suppose I could always use the IC-E92D as an analogue rig and
> use FM on ZOOSAT - aka AO-51).

In our discussions I read always the description "analogue". This
description means in our communinity mostly "voice", but it is simply
wrong. If you convert your voice into bits and bytes and back to
hearable voice, this is NOT analogue, this is digital/DSP.

Since a few years our terrestrial television is also digital in DVB-T
and not analogue. The analogue TV was shut down.

>
> Like Buddy Holly sang ... That'll Be The Day ... (remember that one Al?).
>
> I 'have' registered that some people have been disappointed with D-Star
> but I can't help wondering if it's because it's relatively 'new'.
>
> I'm old enough to remember the hue and cry when SSB was introduced, in
> fact,
> I was at the research and developement centre at Porton Down at the
> time ...
> (they were playing with 'nasty' substances to put in the drinking
> water, classified,
> I'm afraid) - while we were 'testing' radio gear.
>
> The same arguments were 'launched' ... this new-fangled SSB will never
> !!!
> catch on ... err, it did.
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> Time will tell if 'digital' radio takes off.
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> It sh ould be noted that 'digital' radio (read: packet) kept amateur
> radio 'alive'
> through the late 80's and early 90's until the Internet became popular.
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> digital
> signal used *LESS* power than an analogue signal ??? ...
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> The PE1RAH single cubesat size Picoponder runs on 3.5v so I wonder if
> power
> really is an issue ???.
>
> Food for thought?.

> Comments folks ??.

Many will follows...

>
> 73 John. <la2qaa@...>
>
> ----------
>
>
>

73 and Good Night, I go to my analoque bed now. :-)

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2496. RE: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-12 08:14:01 UTC
From: John Hackett
Topic: 2489 Message: 2496

QSL Thomas,
I agree with your comments.

I purposely worded my mail as I did in the hope of creating a discussion.

Norway went over to digital TV just this year. They're *NOT* known for
leading the pack, more as 'fence-sitters' - (waiting to see what everybody
else does first, thereby avoiding common mistakes?).

Sensible to a degree perhaps- but it doesn't get you many 'innovation' points.

Personally, I believe you can't !!! turn back the clock ... so digital radio is here
to stay, like it or not.

My 41 year old first and second loves are in fact both digital ... CW and RTTY.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 12 May 2009 01:16:57 +0200
Subject: Re: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

John Hackett schrieb:

>

>

> Hello Al and group,

> Well, I'm still 'messing about' with the

> IC-E92D and

> D-Star.

>

> A couple of 'OBSERVATIONS' so far ...

>

> Here in NOG (Norway) D-Star is generating the same discussion level as

> that old evergreen - Is Echolink really 'radio' ... or is it not ??.

Hello John

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say "pah internet..." (and sits at his PC and surfs in the internet) :-)

>

> Why are other manufacturers *NOT* producing D-Star systems? ... yes,

> I know !!! it's 'supposed' to be an open protocol but Kenwood and Yaesu

> may be loathe to impliment a competitor's protocol - (or maybe not).

>

> If I'm to fill in the 4 callsigns, mycall, yourcall, RPT1 (the

> repeater I'm using)

> and RPT2 (the repeater the other station is using) with either the

> suffix A

> (for 1.2G), B (for 70cms), or C (for 2m) to get around the world with

> D-Star

> ... why on earth! wouldn't I do essentially the same thing with the

> analogue Ec holink? ...

>

> One argument on the positive side is bandwidth. 6.25 digital as opposed

> to 25Khz analogue ... for the same integrity of signal.

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> (... err, I suppose I could always use the IC-E92D as an analogue rig and

> use FM on ZOOSAT - aka AO-51).

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and not analogue. The analogue TV was shut down.

>

> Like Buddy Holly sang ... That'll Be The Day ... (remember that one Al?).

>

> I 'have' registered that some people have been disappointed with D-Star

> but I can't help wondering if it's because it's relatively 'new'.

>

> I'm old enough to remember the hue and cry when SSB was introduced, in

> fact,

> I was at the research and developement centre at Porton Down at the

> time ...

> (they were playing with 'nasty' substances to put in the drinking

> water, classified,

> I'm afraid) - while we were 'testing' radio gear.

>

> The same arguments were 'launched' ... this new-fangled SSB will never

> !!!

> catch on ... err, it did.

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> Time will tell if 'digital' radio takes off.

>

> It sh ould be noted that 'digital' radio (read: packet) kept amateur

> radio 'alive'

> through the late 80's and early 90's until the Internet became popular.

>

> Power, hrm, interesting, I was labouring under the dilusion that a

> digital

> signal used *LESS* power than an analogue signal ??? ...

>

> The PE1RAH single cubesat size Picoponder runs on 3.5v so I wonder if

> power

> really is an issue ???.

>

> Food for thought?.

> Comments folks ??.

Many will follows...

>

> 73 John. <la2qaa@...>

>

> ----------

>

>

>

73 and Good Night, I go to my analoque bed now. :-)

Thomas Frey, HB9SKA

_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2497. Kiwisat Progress.

Yahoo group: eu-amsat
Date: 2009-05-12 08:24:39 UTC
From: Allan Copland
Topic: 2497 Message: 2497

Hi Group.

Kiwisat, a long running attempt by New Zealand amateurs to build the country's first amateur satellite seems to be making some progrwss. KIWISAT is a MICROSAT and should carry both Linear and FM transponders.

Linear uplink on 1268.880 to 1268.850 (Inverting) and 435.260 MHz to 435.230 (Inverting) with downlink on 145.850 MHz to 145.880 MHz @ 2W PEP.

FM uplink on 435.245 MHz and 1268.865 MHz with downlink on 145.865 MHz @ 1watt.

Three beacons are planned
Beacon 1:CW Beacon on Linear Transponder:Frequency: 145.885 MHz@50mw
Beacon 2 (Data Beacon):145.865 MHz@1 Watt B/W 20Khz 9k6 G3RUH or 1200bauds AFSK AX25
Beacon 3 (UHF Beacon):437.425 MHZ, B/W 20 KHz, 9K6data (G3RUH Packet)@100 mW

http://kiwisat.org/index.html
http://kiwisat.org/status.html
http://kiwisat.org/media/fred_dec06.html

Cutting metal for the microsat trays may be underway now, after the purchase of aluminium material for the spaceframe.

AMSAT ZL hope to secure a launch on the Russian DNEPR (converted SS-18 / R-36 ICBM).
http://en.wikipedia.org/wiki/R-36_(missile)
http://www.kosmotras.ru/en/program_dnepr/

73 Al.
GM1SXX

2498. RE: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-12 11:29:34 UTC
From: Luc Leblanc
Topic: 2489 Message: 2498

On 12 May 2009 at 10:14, John Hackett wrote:

>
> Norway went over to digital TV just this year. They're *NOT* known for
> leading the pack, more as 'fence-sitters' - (waiting to see what everybody
> else does first, thereby avoiding common mistakes?).
>
> Sensible to a degree perhaps- but it doesn't get you many 'innovation' points.
>
> Personally, I believe you can't !!! turn back the clock ... so digital radio is here
> to stay, like it or not.
>
> My 41 year old first and second loves are in fact both digital ... CW and RTTY.
>
> 73 John.

At a lesser degree it remembers me the AM to SSB era and the 2 meters simplex to repeater period. Some "even" today argue they where able
to do the same coverage than the first repeater has. Read they where useless...and they cost money.

Same with DSTAR for some it's an useless mode and it's cost money. History will tell us if this mode will be the "NEW" mode of the early
21st century.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2499. Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-12 13:19:50 UTC
From: Allan Copland
Topic: 2489 Message: 2499

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:

> Same with DSTAR for some it's an useless mode and it's cost money. History will tell us if this mode will be the "NEW" mode of the early
> 21st century.

Hi Luc and the Group. I believe the main objection by some people to D-STAR is not that it's new or it's 'digital', but simply that it's reliant on a closed-source proprietary CODEC, so anyone who uses D-STAR can only obtain the CODEC from a single vendor.
I'm not sure that D-STAR will be anything like as popular as many other data modes for two reasons. #1 the proprietary CODEC (against the amateur spirit), #2 it doesn't actually appear to work very well in many situations. D-STAR like other digital systems requires a certain minimum signal level and doesn't cope well with multipath. I wonder how it will do with doppler shift?
As Luc says.... time will tell.

73 Al.
GM1SXX

2500. Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-12 17:18:00 UTC
From: st2nh
Topic: 2489 Message: 2500

Hi all Gentelmen

D-Star is like a cipher to any Ham how can't afford the hardware.
For me, I enjoy to hear the QRM and QRN as well as to hear the QSO
Crystal clear audio!!! We have cell phone already.

73's Nader
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> More information at..
> http://www.leodium.ulg.ac.be/cmsms/
>
> 2M up / 70Cms down bird carrying D-STAR.
>
> "OUFTI-1 will use the amateur radio communication bands (145 MHz for the uplink and 435 MHz for the downlink). The primary communication system relies on the D-STAR protocol. In the event the D-STAR system fails, the reliable telegraphy beacon should still be operational, in which case any ham-radio operator anywhere in the world will be able to listen to the beacon telemetry, and send it over to us."
>
> Due for launch late 2009 on ESA VEGA small launcher.
>
>
> Al.
> GM1SXX
>

2501. DSTAR

Yahoo group: eu-amsat
Date: 2009-05-12 17:34:20 UTC
From: John Hackett
Topic: 2489 Message: 2501

Hi Luc,

>Same with DSTAR for some it's an useless mode and
>it's cost money.
History will tell us if this mode will be
>the "NEW" mode of the early 21st century.

I totally agree. That just about sums it up.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@videotron.ca
Date: Tue, 12 May 2009 07:29:34 -0400
Subject: RE: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

On 12 May 2009 at 10:14, John Hackett wrote:

>

> Norway went over to digital TV just this year. They're *NOT* known for

> leading the pack, more as 'fence-sitters' - (waiting to see what everybody

> else does first, thereby avoiding common mistakes?).

>

> Sensible to a degree perhaps- but it doesn't get you many 'innovation' points.

>

> Personally, I believe you can't !!! turn back the clock ... so digital radio is here

> to stay, like it or not.

>

> My 41 year old first and second loves are in fact both digital ... CW and RTTY.

>

> 73 John.

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to do the same coverage than the first repeater has. Read they where useless...and they cost money.

Same with DSTAR for some it's an useless mode and it's cost money. History will tell us if this mode will be the "NEW" mode of the early

21st century.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

2502. Re: [eu-amsat] Re: OUFTI-1 DSTAR Cubesat

Yahoo group: eu-amsat
Date: 2009-05-12 19:56:44 UTC
From: Luc Leblanc
Topic: 2489 Message: 2502

On 12 May 2009 at 17:18, st2nh wrote:

> Hi all Gentelmen
>
>
> D-Star is like a cipher to any Ham how can't afford the hardware.
> For me, I enjoy to hear the QRM and QRN as well as to hear the QSO
> Crystal clear audio!!! We have cell phone already.
>
>
> 73's Nader
> www.st2nh.com
>
>
Hi Nader

We have one bi-mode repeater here and analog and DSTAR can be transmitted through the repeater. When someone ask to QSY in DSTAR i can tell
you some are a bit frustrated to not been able to listen the QSO. As you said it is really cipher as what we hear is like white noise as if
your receiver was running with the squelch open. To avoid that a CTCSS tone take care of this problem for the non DSTAR users.

We have a Quebec DSTAR network here and the "control station" was in Yanji China
http://web.me.com/sylvain_stlouis/reseau_va2aka/accueil.html

It is always a thrill to be able to speak with someone who's in China when you are mobile in your car. We have here some OM who's quitting
the air for the internet couple of years ago with this new technology some are starting to look back at the RF side of amateur radio. Is
DSTAR can bring back those who leave for internet?

Since 3 months now nearly all the TV station south of the border are all transmitting on digital and they all cancelled their analog TV
signal making all the standard analog TV receiver useless unless you have a converter +-50$.

Things are changing that's why we will have a DSTAR conference at our Hamfest here on May 24 at 0930am if some of you are just passing by
here on a sunday drive...you are invited.

www.hamfest.qc.ca

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2503. Re: Kiwisat Progress.

Yahoo group: eu-amsat
Date: 2009-05-13 00:31:07 UTC
From: zl4jm
Topic: 2497 Message: 2503

Hi Al and the group,
In addition to the information you provided re KiwiSAT, the latest AMSAT-ZL newsletter with enclosed KiwiSAT abstract states the following:

1) The transmitter tray is complete and fully machined
2) The BCR, IHU, and battery trays are machined to within 3mm of final dimensions, and are expected to be in a finished state by mid June.
3) Present planning is to have a "FlatSat" sometime this month, with details of the launch vehicle interface being finalised at present.Once the trays are finished machined, final assembly can be commenced.
4) There are links to YouTube of the tray machining available from www.kiwisat.org.nz
5) Major fund raising will be required for the launch program, and there is a PayPal link on the website www.kiwisat.org.nz where any interested people can make a donation.

Hope this additional information is of use to you all

regards and 73,
James - ZL4JM

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> Hi Group.
>
> Kiwisat, a long running attempt by New Zealand amateurs to build the country's first amateur satellite seems to be making some progrwss. KIWISAT is a MICROSAT and should carry both Linear and FM transponders.
>
> Linear uplink on 1268.880 to 1268.850 (Inverting) and 435.260 MHz to 435.230 (Inverting) with downlink on 145.850 MHz to 145.880 MHz @ 2W PEP.
>
> FM uplink on 435.245 MHz and 1268.865 MHz with downlink on 145.865 MHz @ 1watt.
>
> Three beacons are planned
> Beacon 1:CW Beacon on Linear Transponder:Frequency: 145.885 MHz@50mw
> Beacon 2 (Data Beacon):145.865 MHz@1 Watt B/W 20Khz 9k6 G3RUH or 1200bauds AFSK AX25
> Beacon 3 (UHF Beacon):437.425 MHZ, B/W 20 KHz, 9K6data (G3RUH Packet)@100 mW
>
> http://kiwisat.org/index.html
> http://kiwisat.org/status.html
> http://kiwisat.org/media/fred_dec06.html
>
> Cutting metal for the microsat trays may be underway now, after the purchase of aluminium material for the spaceframe.
>
> AMSAT ZL hope to secure a launch on the Russian DNEPR (converted SS-18 / R-36 ICBM).
> http://en.wikipedia.org/wiki/R-36_(missile)

> http://www.kosmotras.ru/en/program_dnepr/
>
> 73 Al.
> GM1SXX
>

2504. Kiwisat Progress.

Yahoo group: eu-amsat
Date: 2009-05-13 08:19:06 UTC
From: John Hackett
Topic: 2497 Message: 2504

James,
(ZL4JM) Thank you for sharing this pertinent info re: Kiwisat
with the group.

73 John. Group founder/moderator

<la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: zl4jm@...
Date: Wed, 13 May 2009 00:31:07 +0000
Subject: [eu-amsat] Re: Kiwisat Progress.

Hi Al and the group,

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1) The transmitter tray is complete and fully machined

2) The BCR, IHU, and battery trays are machined to within 3mm of final dimensions, and are expected to be in a finished state by mid June.

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> Hi Group.

>

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> Three beacons are planned

> Beacon 1:CW Beacon on Linear Transponder:Frequency: 145.885 MHz@50mw

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> Beacon 3 (UHF Beacon):437.425 MHZ, B/W 20 KHz, 9K6data (G3RUH Packet)@100 mW

>

> http://kiwisat.org/index.html

> http://kiwisat.org/status.html

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>

> Cutting metal for the microsat trays may be underway now, after the purchase of aluminium material for the spaceframe.

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> http://en.wikipedia.org/wiki/R-36_(missile)

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>

> 73 Al.

> GM1SXX

>

2505. NASA Wallops launch

Yahoo group: eu-amsat
Date: 2009-05-14 10:57:31 UTC
From: Thomas Frey
Topic: 2505 Message: 2505

Hello All

"The new launch date for the TacSat-3 mission is May 19 and 20.
The window each night is 7:35 to 11:30 p.m."
http://twitter.com/NASA_Wallops

It would be nice, if all times are in UTC/GMT. Isn't it ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2506. advice and what am i doing wrong?

Yahoo group: eu-amsat
Date: 2009-05-16 20:11:27 UTC
From: blairs_viper2008
Topic: 2506 Message: 2506

I used to use the old Russian sats 2m up/HF down, now i don't

I am very interested in wanting to use the VHF/UHF sats, so far with no success at all!

I have been trying for sometime now, as a starting point, to HEAR ao51 on 70cms on a handheld 1/4 wave, I am told it can be done? I tune into the right frequency, at the right time of day or night and i hear NOTHING. I have tried making allowances for Doppler shift, I know the bird is up there, I have checked who has heard it, but I get the feeling that not many stations in the UK Do actually hear ao51. What am I doing wrong?

On a slightly different subject.
I have a very good kenwood tmd700 which i want to use work ao51 and other sats mobile, listen to its beacon, listen on 9600 aprs etc etc. I need to know what is the best cheapest setup antenna wise to listen to the 2m/70cm birds using mobile antenna/s?

patrick

2507. Re: [eu-amsat] advice and what am i doing wrong?

Yahoo group: eu-amsat
Date: 2009-05-16 22:40:30 UTC
From: Thomas Frey
Topic: 2506 Message: 2507

blairs_viper2008 schrieb:
> I used to use the old Russian sats 2m up/HF down, now i don't
>
> I am very interested in wanting to use the VHF/UHF sats, so far with no success at all!
>
> I have been trying for sometime now, as a starting point, to HEAR ao51 on 70cms on a handheld 1/4 wave, I am told it can be done? I tune into the right frequency, at the right time of day or night and i hear NOTHING. I have tried making allowances for Doppler shift, I know the bird is up there, I have checked who has heard it, but I get the feeling that not many stations in the UK Do actually hear ao51. What am I doing wrong?
>
> On a slightly different subject.
> I have a very good kenwood tmd700 which i want to use work ao51 and other sats mobile, listen to its beacon, listen on 9600 aprs etc etc. I need to know what is the best cheapest setup antenna wise to listen to the 2m/70cm birds using mobile antenna/s?
>
> patrick
>
>
>
Hello and welcome Patrick

If you experiment with antennas, you do nothing wrong. I shall not say
use this or those antenna. If you find one which works: -> "WOW! BINGO!" :-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2508. Re: advice and what am i doing wrong?

Yahoo group: eu-amsat
Date: 2009-05-17 06:03:33 UTC
From: Bratu Florian Gabriel
Topic: 2506 Message: 2508

go to ,,files" directory and you will find very good antennas, documentation also on variouse homepages like Ivo for example http://www.hamradio.selfip.com/i6ibe/

the most important is polarization.
have fun

2509. Re: advice and what am i doing wrong?

Yahoo group: eu-amsat
Date: 2009-05-17 18:20:56 UTC
From: Allan Copland
Topic: 2506 Message: 2509

--- In eu-amsat@yahoogroups.com, "blairs_viper2008" <g1dra@...> wrote:
> I used to use the old Russian sats 2m up/HF down, now i don't
> I am very interested in wanting to use the VHF/UHF sats, so far with no success at all!
>
> I have been trying for sometime now, as a starting point, to HEAR ao51 on 70cms on a handheld 1/4 wave, I am told it can be done? I tune into the right frequency, at the right time of day or night and i hear NOTHING. I have tried making allowances for Doppler shift, I know the bird is up there, I have checked who has heard it, but I get the feeling that not many stations in the UK Do actually hear ao51. What am I doing wrong?

Hi Patrick (and the group).

I fear you have been spoilt by the superior utility of the RS-Birds with their linear transponders and incredibly sensitive receivers.

For any type of satellite operation, it obviously makes sense to pay special attention to your receive system. AO51 is not my thing, but I'd suggest that you use a far better aerial ('antenna' for the yanks!) than a quarter-wave whip. Perhaps something like a modest hand-held dual-band yagi. If you are a 'handy' sort, I'd advise you to make a pair of modest (linear) beams for AO51.
If you want to *buy* a dualband aerial, the "Arrow Antenna' has it's followers but it's quite a modest thing. You could easily 'knock together' a better system with some ally tube, a junior hacksaw and a tape measure :-)

Polarisation... well, CP is CP only down the antenna boresight. Roll that around in your brain for a bit and it should very swiftly become obvious that the signal as seen on the ground,wont be CP (or anything like CP) for the vast majority of the time. If you see someone using an Arrow aerial will be doing a strange little dance (The 'Arrow' dance)... chasing the polarisation changes.

So to recap. Improve your receive system. Worry about polarisation (if you are the worrying sort) later.

You could do worse than this...
http://www.observations.biz/K5OE/70cms_quagi.htm

Finally, D Carr runs a satellite feedback page for users thats generally a lot more up-to-date than the AMSAT-NA one.
It can be found at..

http://oscar.dcarr.org/

73 Al.
GM1SXX

2510. mobile operation for sats antennas 2m/70cm

Yahoo group: eu-amsat
Date: 2009-05-17 19:01:39 UTC
From: blairs_viper2008
Topic: 2510 Message: 2510

What do the members here suggest I use for mobile operation for 2m/70cm sats aerials/antennas?

I mean stationary mobile.....not driving along the road!

patrick

2511. Re: advice and what am i doing wrong?

Yahoo group: eu-amsat
Date: 2009-05-17 21:22:26 UTC
From: st2nh
Topic: 2506 Message: 2511

Hi patrick & all

Randy k7age produced a very nice movie at youtube
shows how to work FM birds with simple siteup
enjoy it

http://www.youtube.com/watch?v=1HfvmU_utI8

73's
Nader
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "blairs_viper2008" <g1dra@...> wrote:
>
> I used to use the old Russian sats 2m up/HF down, now i don't
>
> I am very interested in wanting to use the VHF/UHF sats, so far with no success at all!
>
> I have been trying for sometime now, as a starting point, to HEAR ao51 on 70cms on a handheld 1/4 wave, I am told it can be done? I tune into the right frequency, at the right time of day or night and i hear NOTHING. I have tried making allowances for Doppler shift, I know the bird is up there, I have checked who has heard it, but I get the feeling that not many stations in the UK Do actually hear ao51. What am I doing wrong?
>
> On a slightly different subject.
> I have a very good kenwood tmd700 which i want to use work ao51 and other sats mobile, listen to its beacon, listen on 9600 aprs etc etc. I need to know what is the best cheapest setup antenna wise to listen to the 2m/70cm birds using mobile antenna/s?
>
> patrick
>

2512. Re: mobile operation for sats antennas 2m/70cm

Yahoo group: eu-amsat
Date: 2009-05-17 21:51:54 UTC
From: st2nh
Topic: 2510 Message: 2512

Hi Patrick& All

you have many options!!!
the simple is an arrow with a handheld radio!
or a simple homemade yagi .
http://www.g6lvb.com/HomebrewArrow.htm

if you have a big pocket see this links:-

http://www.st2nh.com/japsatmoblie.JPG/japsatmoblie-full;init:.JPG

http://www.waygood.org/blog/uploaded_images/GB4FUN-bus-796258.jpg

;-)

Nader
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "blairs_viper2008" <g1dra@...> wrote:
>
> What do the members here suggest I use for mobile operation for 2m/70cm sats
aerials/antennas?
>
> I mean stationary mobile.....not driving along the road!
>
> patrick
>

2513. Re: [eu-amsat] mobile operation for sats antennas 2m/70cm

Yahoo group: eu-amsat
Date: 2009-05-17 22:46:14 UTC
From: Thomas Frey
Topic: 2510 Message: 2513

blairs_viper2008 schrieb:
> What do the members here suggest I use for mobile operation for 2m/70cm sats aerials/antennas?
>
> I mean stationary mobile.....not driving along the road!
>
> patrick
>
>
>
>
>
Hello Patrick

What kind of car do you have ? On a Pickup you can mount a tripod with a 12V rotator and yagis. Such a tripod you can also put up beside your car, if you find a big parking lot.

Now a question from me apropos antenna/aerial: What is the correct British spelling: Rotor or Rotator ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2514. Re: mobile operation for sats antennas 2m/70cm THINK I AM being misunderstood

Yahoo group: eu-amsat
Date: 2009-05-18 00:20:03 UTC
From: blairs_viper2008
Topic: 2510 Message: 2514

Thanx for the advice so far, but I think I am being misunderstood.

What I am referring to is actual antennas mounted on a car, like a 1/4 wave. 5/8 wave, etc.

Randy (k7age) suggested a 1/4 wave on 2m, and a 1/4 wave on uhf, due to their high angles of radiation.

I think a combined dual band antenna is not good, due to its low angle of radiation. I am not talking about the arrow antenna on a car! or a roadside yagi run from the car, I mean ACTUAL antennas ON the car.

patrick

2515. Re: mobile operation for sats antennas 2m/70cm THINK I AM being misunderstood

Yahoo group: eu-amsat
Date: 2009-05-18 11:18:32 UTC
From: st2nh
Topic: 2510 Message: 2515

Hello Patrick

Yes Randy suggestion is ok especially at crowded area like UAS or Europe .
I tried this setup on my home roof but the result was so poor! Here(Africa) I need a Yagi to catch Europe and Asia. Try those 1/4 vertical antennas on FM birds , we really appreciate your feedback Partrick.

73's
Nader
st2nh

--- In eu-amsat@yahoogroups.com, "blairs_viper2008" <g1dra@...> wrote:
>
> Thanx for the advice so far, but I think I am being misunderstood.
>
> What I am referring to is actual antennas mounted on a car, like a 1/4 wave. 5/8 wave, etc.
>
> Randy (k7age) suggested a 1/4 wave on 2m, and a 1/4 wave on uhf, due to their high angles of radiation.
>
> I think a combined dual band antenna is not good, due to its low angle of radiation. I am not talking about the arrow antenna on a car! or a roadside yagi run from the car, I mean ACTUAL antennas ON the car.
>
> patrick
>

2516. After playtime ...

Yahoo group: eu-amsat
Date: 2009-05-18 11:20:10 UTC
From: John Hackett
Topic: 2516 Message: 2516

Hello Al,
I've now had a play with D-Star ... using D-PRS, D-TV (your countrymen, no less) with digital SSTV, Asterisk (IRLP software), RtpDir, Dchat, D-rats, and D-Star Comms.

My conclusions are thus ...

(I MUST UNDERLINE THAT THIS IS ONLY MY PERSONAL OPINION).

I've found the biggest advantage to be ... the amount of data transferable in a dire emergency when all other systems are down - over an analogue system ... but !!!, at a price - (literally).

Nobody (and that's most of us) who isn't in range of a dedicated D-Star repeater can join the network without purchasing a DV dongle that cost's about as much as the D-Star radio itself.

That in itself leaves a rather large questionmark hovering over the emergency communications 'advantage'.

I have a sneaking suspicion that D-Star will go the same was as Kenwood's video rig in the 90's (which I also had, but had to sell, due to lack of popularity/use).

My opinion is, D-Star is a *VERY* expensive way of doing digitally what you can do *FREE* using an analogue system ... with for example Skype, Echolink and MixW ... (or MMSSTV if you will).

Others have noted the (partly) closed source system being against the Ham spirit. That's a good point but my comments are aimed at the 'ordinary' Ham, as opposed to the computer whiz kids.

I believe D-Star will remain a *special interest* mode.

73 John. <la2qaa@...>

2517. Re: [eu-amsat] After playtime ...

Yahoo group: eu-amsat
Date: 2009-05-18 18:00:52 UTC
From: Trevor .
Topic: 2516 Message: 2517

--- On Mon, 18/5/09, John Hackett <archie.hackett@...> wrote:
> I believe D-Star will remain a *special interest* mode.

I agree cost is a drawback to D-STAR but in time costs will come down, however, there is another drawback - the bandwidth requirements of D-STAR - 12.5 kHz channel spacing.

Both ICOM and Kenwood market commercial VHF/UHF equipment under the NXDN trademark. These rigs are designed for 6.25 kHz channel spacing unlike the 12.5 kHz spacing used for D-STAR. NXDN uses the same Digital Standard that is specified for Digital PMR-446.
http://www.southgatearc.org/news/october2008/pmr_digital_voice.htm
http://www.southgatearc.org/news/november2008/gadget_show_radio_tests.htm

Given commercial adoption of 6.25 kHz channels I think Amateurs will in time go the same route.

The challenge to Amateurs is how to use this modulation through the satellites. Sat users typically start off by tuning SSB signals by hand. You can still understand SSB even if you're a few hundred Hz off tune but some current digital voice decoders aren't so forgiving of frequency mismatch.

73 Trevor M5AKA

2518. Trafic jam in space

Yahoo group: eu-amsat
Date: 2009-05-19 01:44:45 UTC
From: Luc Leblanc
Topic: 2518 Message: 2518

Even NASA is feeling the heat of our week days commuter traffic jam see below

Posted by RCC on 2009-05-18 at 16:00:39 EDT
The launch team received permission today to proceed towards the launch attempt of the TacSat-3 mission on May 19. The launch window is
7:35 to 11:30 p.m. Today's afternoon forecast shows a 90% probability of acceptable weather for launch. There is one issue that we are
following. There is a possibility of a conflict with the air space we need for the launch. If there is a conflict, we will move the launch
to Wednesday, May 20. We should know the status of this issue early Tuesday morning.

P.S. Why they don't disclose who is jamming the space??? another unsolved mysteries!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2519. From Luc leblanc

Yahoo group: eu-amsat
Date: 2009-05-19 06:54:47 UTC
From: Allan Copland
Topic: 2519 Message: 2519

On 18 May 2009 at 13:20, John Hackett wrote:

My opinions between your lines John

>
> Hello Al,
> I've now had a play with D-Star ... using D-PRS, D-TV (your countrymen,
> no less) with digital SSTV, Asterisk (IRLP software), RtpDir, Dchat, D-rats, and
> D-Star Comms.
>
> My conclusions are thus ...
>
> (I MUST UNDERLINE THAT THIS IS ONLY MY PERSONAL OPINION).
>
> I've found the biggest advantage to be ... the amount of data transferable
> in a dire emergency when all other systems are down - over an analogue
> system ... but !!!, at a price - (literally).

It's slow data on VHF and UHF radio but at internet speed on 1.2ghz

>
> Nobody (and that's most of us) who isn't in range of a dedicated D-Star
> repeater can join the network without purchasing a DV dongle that cost's
> about as much as the D-Star radio itself.

But there is solution as the Satoshi DV interface
http://kb9mwr.blogspot.com/2009/01/satoshi-7m3tjzs-d-star-node-and-dv.html and some
fresh news too about DSTAR on http://www.dstarinfo.com/Dayton/Dayton.htm
>
> That in itself leaves a rather large questionmark hovering over the emergency
communications 'advantage'.

In those first developpment years there is a lot to come

>
> I have a sneaking suspicion that D-Star will go the same was as Kenwood's video
> rig in the 90's (which I also had, but had to sell, due to lack of popularity/use).

All is possible as it can be tne new century communication mode

>
> My opinion is, D-Star is a *VERY* expensive way of doing digitally what you can
> do *FREE* using an analogue system ... with for example Skype, Echolink and
> MixW ... (or MMSSTV if you will).

Anything come with a price tag Amateur satellites too and nobody want's to predict their
end but if we folllow this logic it is not where

our concenrs should go in the first place?

>
> Others have noted the (partly) closed source system being against the Ham spirit.
> That's a good point but my comments are aimed at the 'ordinary' Ham, as opposed
> to the computer whiz kids.

It's not the main issue with DSTAR

>
> I believe D-Star will remain a *special interest* mode.

I just copy paste KB9MWR top web page box contents:

"Advancing Ham Radio.. different ideas

Experimentation seems lost in the hobby. This is my attempt to spread some new ideas and help
enable those who want to explore something new.."

That's what's i think will be the "new" incentive for those who want to "experiment" We just get funding here at our local ham club to buy
a VHF DSTAR system with a controller. It's a step towards trying to put soething new in the experimenting field of our activities. As i
said in one of our club meeting i prefer to say in a couple of years from now in the event of a complete demise of amateur radio that we at
least we try all what we can instead of expressing regrets about something that we don't try.

>
> 73 John. <la2qaa@...>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

2520. D-Star satellite.

Yahoo group: eu-amsat
Date: 2009-05-19 07:25:34 UTC
From: John Hackett
Topic: 2520 Message: 2520

Interesting point Trevor,
You said ...

The challenge to Amateurs is how to use this modulation through the satellites. Sat users typically start off by tuning SSB signals by hand. You can still understand SSB even if you're a few hundred Hz off tune but some current digital voice decoders aren't so forgiving of frequency mismatch.
.....
.....

I'm wondering how we're going to tackle the doppler problem on the proposed OUFTI dedicated D-Star satellite in LEO.

<http://www.leodium.ulg.ac.be/cmsms/index.php?page=in-english>

I think an automatic tracking system is going to have to be *VERY* !!!! precise.

I'm reminded of one of James Miller's quips in the 90's.

"An xxxx rotor 'rattles' more than that"

Waving a pointy stick at the sky (Arrow) and muttering 'Abracadabra' into a handheld just isn't going to cut it.

It seems to be the trend nowadays ... new sat - new rig, new computer.

73 John. <la2qaa@...>

73 John.

2521. Experimentation

Yahoo group: eu-amsat
Date: 2009-05-19 07:36:21 UTC
From: John Hackett
Topic: 2519 Message: 2521

Yup folks,
I'm aware of the D-Star developements. Perhaps I should have
mentioned that I'd played with some of this gear. I still maintain you can do
it for *FREE* with current analogue systems ... for as long as they're with us.

For those that are inclined ... download some of this software and play.

(You don't need a dedicated D-Star rig).

<http://tech.groups.yahoo.com/group/rtpDir/files/>

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Tue, 19 May 2009 06:54:47 +0000
Subject: [eu-amsat] From Luc leblanc

On 18 May 2009 at 13:20, John Hackett wrote:

My opinions between your lines John

>

> Hello Al,

> I've now had a play with D-Star ... using D-PRS, D-TV (your countrymen,

> no less) with digital SSTV, Asterisk (IRLP software), RtpDir, Dchat, D-rats, and

> D-Star Comms.

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> My conclusions are thus ...

>

> (I MUST UNDERLINE THAT THIS IS ONLY MY PERSONAL OPINION).

>

> I've found the biggest advantage to be ... the amount of data transferable

> in a dire emergency when all other systems are down - over an analogue

> system ... but !!!, at a price - (literally).

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>

> Nobody (and that's most of us) who isn't in range of a dedicated D-Star

> repeater can join the network without purchasing a DV dongle that cost's

> about as much as the D-Star radio itself.

But there is solution as the Satoshi DV interface
http://kb9mwr.blogspot.com/2009/01/satoshi-7m3tjzs-d-star-node-and-dv.html and some

fresh news too about DSTAR on http://www.dstarinfo.com/Dayton/Dayton.htm

>

> That in itself leaves a rather large questionmark hovering over the emergency
communications 'advantage'.

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> rig in the 90's (which I also had, but had to sell, due to lack of popularity/use).

All is possible as it can be tne new century communication mode

>

> My opinion is, D-Star is a *VERY* expensive way of doing digitally what you can

> do *FREE* using an analogue system ... with for example Skype, Echolink and

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> That's a good point but my comments are aimed at the 'ordinary' Ham, as opposed

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>

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a VHF DSTAR system with a controller. It's a step towards trying to put soething new in the experimenting field of our activities. As i

said in one of our club meeting i prefer to say in a couple of years from now in the event of a complete demise of amateur radio that we at

least we try all what we can instead of expressing regrets about something that we don't try.

>

> 73 John. <la2qaa@...>

>

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

2522. F.T.M.L.

Yahoo group: eu-amsat
Date: 2009-05-19 15:20:14 UTC
From: John Hackett
Topic: 2522 Message: 2522

F.T.M.L.

F.T.M.L (further to my last) re: D-Star v Anne Logg ... I just worked Perth - (No !!!, not the one in Scotlasnd, the one in Australia) - VK6WB Gus - with Alex RZ3BY (Mocba) tail-ending, looking for IOTA 36.

Both on CW - using the CQ100 program. That's 'digital' enough for me.

Didn't cost me rouble! either.

73 John. <la2qaa@...>

2523. Re: [eu-amsat] D-Star satellite.

Yahoo group: eu-amsat
Date: 2009-05-19 18:16:49 UTC
From: Trevor .
Topic: 2520 Message: 2523

--- On Tue, 19/5/09, John Hackett <archie.hackett@...> wrote:
> I'm wondering how we're going to tackle the doppler problem on the
> proposed OUFTI dedicated D-Star satellite in LEO.

I was wondering that as well. The very low orbit means they'll be very high doppler on the downlink.

D-Star will tolerate up to about 1.5 kHz of tuning mismatch but current commercial D-Star rigs will only tune in 5 kHz steps. So I'd imagine receiving a complete pass using off-the-shelf equipment will be impossible. However, something like an IC-910 with an external D-Star demodulator board should work okay.

You never know it might encourage ICOM to add 500 Hz tuning steps to their D-Star rigs.

73 Trevor M5AKA

2524. Re: [eu-amsat] D-Star satellite.

Yahoo group: eu-amsat
Date: 2009-05-19 18:27:21 UTC
From: Trevor .
Topic: 2520 Message: 2524

Of course at its Apogee of 1447 km the doppler shift won't be as bad as at the Perigee (354 km) but even so there are still going to be parts of a pass when 5 kHz rigs just aren't going to be able to tune close enough.

73 Trevor M5AKA

--- On Tue, 19/5/09, Trevor . <m5aka@y
--- On Tue, 19/5/09, John Hackett <archie.hackett@ hotmail.com> wrote:
> I'm wondering how we're going to tackle the doppler problem on the

> proposed OUFTI dedicated D-Star satellite in LEO.

I was wondering that as well. The very low orbit means they'll be very high doppler on the downlink.

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You never know it might encourage ICOM to add 500 Hz tuning steps to their D-Star rigs.

73 Trevor M5AKA

2525. D-Star solution

Yahoo group: eu-amsat
Date: 2009-05-19 18:44:56 UTC
From: John Hackett
Topic: 2520 Message: 2525

Trevor,
Another solution would be to use the D-Star HOT_SPOT software ...

<http://tech.groups.yahoo.com/group/rtpDir/files/D-STAR%20Hot-Point/>

combined with a home brew GMSK smart modem this system will allow analogue
rigs that can tune in 100 hertz increments to operate with the D-Star protocol.

However ... that brings us back to my original concern re: cost.

A 'commercial' way of acheaving the same goal is to use a DV Dongle which is *EXPENSIVE*.
Even the board and processors for the home brew version cost
a fortune ... and how many Hams are capable of soldering 80 pin microprocessors?.

That's why I used the words 'specialist mode'.

It will be interesting to see if there's any more innovation around the corner.

I assume the OUFTI people HAVE considered the doppler problem?.

I will *NOT* be surprised if they havn't. Your point re: orbital height is of course
a key factor. Perhaps someone should ask them ... then if it has *NOT* been researched
adequately, there's a chance for radio anateurs to shine.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Tue, 19 May 2009 18:27:21 +0000
Subject: Re: [eu-amsat] D-Star satellite.

Of course at its Apogee of 1447 km the doppler shift won't be as bad as at the Perigee (354
km) but even so there are still going to be parts of a pass when 5 kHz rigs just aren't
going to be able to tune close enough.

73 Trevor M5AKA

--- On Tue, 19/5/09, Trevor . <m5aka@y
--- On Tue, 19/5/09, John Hackett <archie.hackett@ hotmail.com> wrote:
> I'm wondering how we're going to tackle the doppler problem on
the

> proposed OUFTI dedicated D-Star satellite in LEO.

I was wondering that as well. The very low orbit means they'll be very high doppler on the
downlink.

D-Star will tolerate up to about 1.5 kHz of tuning mismatch but current commercial D-Star
rigs will only tune in 5 kHz steps. So I'd imagine receiving a complete pass using

off-the-shelf equipment will be impossible. However, something like an IC-910 with an external D-Star demodulator board should work okay.

You never know it might encourage ICOM to add 500 Hz tuning steps to their D-Star rigs.

73 Trevor M5AKA

2526. Re: [eu-amsat] D-Star solution

Yahoo group: eu-amsat
Date: 2009-05-19 21:11:28 UTC
From: Thomas Frey
Topic: 2520 Message: 2526

John Hackett schrieb:
>
>
> Trevor,
> Another solution would be to use the D-Star HOT_SPOT
> software ...

Hello John and group

If it is possible to write software for 9k6 Packet Radio on the soundcard, it should be also possible to write one for D-Star on the soundcard. Except the D-Star-code is not open-source.

>
> <http://tech.groups.yahoo.com/group/rtpDir/files/D-STAR%20Hot-Point/>
>
> combined with a home brew GMSK smart modem this system will allow
> analogue
> rigs that can tune in 100 hertz increments to operate with the D-Star
> protocol.

Thats interesting. Is there any website about it outside a Yahoo group ?

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2527. Fw: [amsat-bb] CubeSat Launch Video

Yahoo group: eu-amsat
Date: 2009-05-19 23:42:01 UTC
From: Raul Romero
Topic: 2527 Message: 2527

```
----- Original Message -----
From: "JoAnne Maenpaa" <k9jkm@...>
To: <amsat-bb@...>
Sent: Tuesday, May 19, 2009 7:24 PM
Subject: [amsat-bb] CubeSat Launch Video

> Sorry for the very short notice ... if you are on-line at the moment the
> cubesat launch this evening is at T-15 minutes ... video feed at:
> http://mfile.akamai.com/18569/live/reflector:59445.asx?bkup=32644
>
> I just found the link myself ... maybe a few can catch it!
>
> --
> 73 de JoAnne K9JKM
> k9jkm@...
> Editor, AMSAT News Service
> Copy Editor, AMSAT Journal
>
>
>
> ___________________________________________________
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
```

2528. RE: [eu-amsat] D-Star solution

Yahoo group: eu-amsat
Date: 2009-05-20 07:43:51 UTC
From: John Hackett
Topic: 2520 Message: 2528

Thomas,
All files can be downloaded from the link I posted.

The big stumbling block is the 'modem'.

<http://kb9mwr.blogspot.com/2009/01/satoshi-7m3tjzs-d-star-node-and-dv.html>

I see you've discovered what I referred to as 'not' open source - not exactly in the amateur spirit.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Tue, 19 May 2009 23:11:28 +0200
Subject: Re: [eu-amsat] D-Star solution

John Hackett schrieb:

>

>

> Trevor,

> Another solution would be to use the D-Star HOT_SPOT

> software ...

Hello John and group

If it is possible to write software for 9k6 Packet Radio on the soundcard,

it should be also possible to write one for D-Star on the soundcard. Except

the D-Star-code is not open-source.

>

> <http://tech.groups.yahoo.com/group/rtpDir/files/D-STAR%20Hot-Point/>

>

> combined with a home brew GMSK smart modem this system will allow

> analogue

> rigs that can tune in 100 hertz increments to operate with the D-Star

> protocol.

Thats interesting. Is there any website about it outside a Yahoo group ?

Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2529. Re: [eu-amsat] D-Star solution

Yahoo group: eu-amsat
Date: 2009-05-20 10:54:53 UTC
From: Thomas Frey
Topic: 2520 Message: 2529

John Hackett schrieb:
>
>
> Thomas,
> All files can be downloaded from the link I posted.
>
> The big stumbling block is the 'modem'.
>
> <http://kb9mwr.blogspot.com/2009/01/satoshi-7m3tjzs-d-star-node-and-dv.html>
>
> I see you've discovered what I referred to as 'not' open source - not
> exactly in the amateur spirit.
>
> 73 John. <la2qaa@...>
> ---
>

Thanks John

I found this site for an example:
http://kb9mwr.blogspot.com/2008/11/over-air-d-star-to-asterisk-not-far-off.html

You need always such a DV-Dongle. A reseller in Germany wants 219 Euro for it. Only to operate via OUFTI this costs too much. If you want to operate with D-Star anyway and you don't want to buy a new TRX again then its ok.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2530. D-Star solution ... maybe!

Yahoo group: eu-amsat
Date: 2009-05-20 11:18:24 UTC
From: John Hackett
Topic: 2520 Message: 2530

Hello Thomas,
Yes, that's the conclusion I came to.

I have an IC-E92D but I'm 500 kilometers from the only D-Star repeater in Norway ... there are 2 in fact, but only one is connected to the international network.

There's no way !!! I'm going to pay 2800 kroner for a DV dongle - (Wimo).

I'll stick to CW for my 'digital' excursions.

That being said, the E92D is an excellent piece of gear, such a shame Icom chose to shoot themselves in the foot with the D-Star protocol. Had it truly been open source - so that amateurs could experiment and impliment alternative modem solutions, I'm sure Icom would have DOUBLED the sales of their 'digital' rigs overnight.

Keeping it to the 'select few' was/is IMHO short sighted.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 20 May 2009 12:54:53 +0200
Subject: Re: [eu-amsat] D-Star solution

John Hackett schrieb:

>

>

> Thomas,

> All files can be downloaded from the link I posted.

>

> The big stumbling block is the 'modem'.

>

> <http://kb9mwr.blogspot.com/2009/01/satoshi-7m3tjzs-d-star-node-and-dv.html>

>

> I see you've discovered what I referred to as 'not' open source - not

> exactly in the amateur spirit.

>

> 73 John. <la2qaa@amsat.org>

> ----------

>

Thanks John

I found this site for an example:

http://kb9mwr.blogspot.com/2008/11/over-air-d-star-to-asterisk-not-far-off.html

You need always such a DV-Dongle. A reseller in Germany wants 219 Euro for

it. Only to operate via OUFTI this costs too much. If you want to operate

with D-Star anyway and you don't want to buy a new TRX again then its ok.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2531. WARNING.

Yahoo group: eu-amsat
Date: 2009-05-21 09:26:17 UTC
From: John Hackett
Topic: 2531 Message: 2531

A report from the Dayton Hanvention reports that two !!! DV dongles may be required if tou live outside the coverasge of a D-Star repeater as one is TX only (for testing).

Further ...

The Japanese GENTLEMAN selling the home brew system is reported to be taking the cash, changing the PCB then changing the website password.

BE WARNED !!!.

Further ...

If that's not enough, read the following ...
.....

File this complaint with the FCC?

From:

rtpdir@yahoogroups.com on behalf of ham44865

(ham44865@...)

You may not know this sender.Mark as safe|Mark as junk

Sent:
Thursday, May 21, 2009 11:15:12 AM

To:
rtpDir@yahoogroups.com

A few users that use satosit boards or other types of

hardware/software have been denied D-STAR access over IP.

If this still happening to anyone, you can file this

complaint with the FCC.

E-mail the following to the FCC,

Use your name and FCC callsign at the beginning and at the end

of this letter.

==========

To: fccham@...

From: <Your First Name, Last Name>, <Your FCC callsign>

Dear Sir/Mam,

I wish to file a complain that my access to the D-Star Amateur

Radio Service has been obstructed by Robin Cutshaw: AA4RC.

AA4RC Amateur Radio Operator has blocked my access to the

D-Star network.

AA4RC has blocked my FCC callsign, device and IP adress

from access to the whole D-STAR system.

I have always connected to the system in the past using

proper Amateur radio identification and protocol,

and have not introduced any forbidden connection

or behaviour to the system.

So, AA4RC is in control of the whole D-STAR network all

over the world and I can not connect to any D-STAR repeater

anywhere in the whole world.

I find it unbelievable that one person like AA4RC can control

all the D-STAR Amateur radio repeaters in the US and the rest of the

world.

AA4RC has installed his own program on all the D-STAR repeaters

in the world and because of this, he has blocked my access

to all D-STAR repeaters because he has copied my callsign

to all D-STAR repeater databases around the world.

He is even in control of my local ham club D-STAR repeaters.

I have corrected all and any problems with my radio

but he continues to deny me access to all the D-STAR repeater installations.

I would like to file a formal complaint against AA4RC

for interfering with my rights as an Amateur operator.

Please, notify me as to what action the FCC will

be considering against AA4RC.

Yours sincerely

<Your First Name, Last Name>

<Your FCC callsign>

Change settings via the Web (Yahoo! ID required)

2532. ESEO goes into LEO

Yahoo group: eu-amsat
Date: 2009-05-22 11:44:59 UTC
From: Thomas Frey
Topic: 2532 Message: 2532

Hello All

I collect regular data from IARU Amateur Satellite Frequency Coordination
to compile my satellite list at
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102

About SSETI ESEO you can read now:

"Previously planned for a 7 degree inclination GTO with a launch from
Kourou in late 2008. The project has now been respecified for a low
earth, sun syncronous orbit at around 600-800km altitude."
(http://www.amsat.org.uk/iaru/informal_detail.asp?serial=82)

The previous text was:

"The ESA sponsored, SSETI ESEO mission, is planned for a 7 degree
inclination GTO with a launch from Kourou in late 2008. A 120kg
satellite of similar construction to SSETI Express, it will employ
deployable solar arrays and incorporate cold gas jets for attitude
control."

I think this are bad news for a satellite with S-Mode and 5 GHz
downlink.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2533. P3E News Spring 2009

Yahoo group: eu-amsat
Date: 2009-05-23 18:09:37 UTC
From: Thomas Frey
Topic: 2533 Message: 2533

Erst in Deutsch, dann in Englisch
First in German, then in English

Update Phase-3E
==========
An der diesj?hrigen Jahreshauptversammlung der AMSAT-DL e.V gab es ausf?hrliche Berichte zu den verschiedenen laufenden Projekten. Der Hauptteil der mechanischen Arbeiten am P3E Projekt ist abgeschlossen. Im letzten Jahr konzentrierten sich die Aktivit?ten auf die Weiterentwicklung des Bordcomputers IHU-3. Aufgrund der ITAR-Problematik haben sich die Mitarbeiter der AMSAT-NA aus dem IHU-3 Projekt zur?ckgezogen. Die AMSAT-DL konnte jedoch neue Mitarbeiter aus den eigenen Mitgliedern rekrutieren. Mario Lorenz, DL5MLO, gab dazu einen ausf?hrlichen Statusbericht zur Weiterentwicklung der IHU-3. Sobald ein funktionierender Bordcomputer vorhanden ist, k?nnen auch die weiteren Integrationsarbeiten f?r die Elektronikmodule beginnen.

Quelle/Source:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=170&Itemid=97

Update Phase-3E
==========
At the annual general meeting of this year the AMSAT-DL e.V gave detailed reports of the different current projects. The main part of the mechanical work on the P3E project is finished. In the last year the activities was concentrated on the advancement of the OnBoardComputer IHU-3. Due to the ITAR problems the coworkers of AMSAT-NA withdrew from the IHU-3 project. However new coworkers from the own members could be recruit from AMSAT-DL. Mario Lorenz, DL5MLO, gave in addition a detailed status report for the advancement of the IHU-3. As soon as a functioning OnBoardComputer is present, also the further integration work for the electronics modules can begin.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2534. Just for Intertest.

Yahoo group: eu-amsat
Date: 2009-05-24 09:44:33 UTC
From: John Hackett
Topic: 2534 Message: 2534

Quote from the latest Amsat News Service.
>The AeroCube-3 is a non-Amateur Radio CubeSat carrying
>technology development experiments. The primary systems ...

Hrm ... and the frequency of this 'non-amateur' cubesat is ...

73 John. <la2qaa@...>

2535. Re: [eu-amsat] Just for Intertest.

Yahoo group: eu-amsat
Date: 2009-05-24 10:34:00 UTC
From: Thomas Frey
Topic: 2534 Message: 2535

John Hackett schrieb:
>
>
> Quote from the latest Amsat News Service.
> >The AeroCube-3 is a non-Amateur Radio CubeSat carrying
> >technology development experiments. The primary systems ...
>
> Hrm ... and the frequency of this 'non-amateur' cubesat is ...
>
> 73 John. <la2qaa@...>
>
>

... 915 MHz

Hello John, see http://www.satellitenwelt.de/ -> News & Infos

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2536. RE: [eu-amsat] Just for Intertest.

Yahoo group: eu-amsat
Date: 2009-05-24 12:14:35 UTC
From: John Hackett
Topic: 2534 Message: 2536

Rgr Thomas,
Not as I feared ... luckily.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 24 May 2009 12:34:00 +0200
Subject: Re: [eu-amsat] Just for Intertest.

John Hackett schrieb:

>

>

> Quote from the latest Amsat News Service.

> >The AeroCube-3 is a non-Amateur Radio CubeSat carrying

> >technology development experiments. The primary systems ...

>

> Hrm ... and the frequency of this 'non-amateur' cubesat is ...

>

> 73 John. <la2qaa@...>

>

>

... 915 MHz

Hello John, see http://www.satellitenwelt.de/ -> News & Infos

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2537. Correct reporting?.

Yahoo group: eu-amsat
Date: 2009-05-24 19:30:40 UTC
From: John Hackett
Topic: 2537 Message: 2537

I was somewhat intrigued by the ON station's report on the Amsat-bb this afternoon (Sunday) about working AO-51 at 17:40.

The gist of the message was ... "I had a nice QSO on AO-51 at 17:30 so I guess the transponder is back on".

Two things peeked my curiosity, 1) the satellite was over New Zealand at 17:30 and 2) six (6) other stations reported the satellite as 'nothing head' on the D. Carr/ B. Bruninga website. The next pass was also reported as nothing heard.

This begs the questions 1) not using UTC? ... incorrect reporting? ... a very, very *VERY* !!! large array? ... (I've operated Europe-New Zealand on AO-13 but on AO-51? it's a bit of a stretch, to say the least.

My point? - when I look at the page to determine the state of a satellite at any given time it makes life a bit difficult with conflicting reports.

This happens frequently and people reporting working a satellite when it's switched off just confuses the issue even more.

Surely it's not too much trouble to check your log entry and r-enter it if it's incorrect.

I remember when I used to edit the AO-7 Resource Page Log, accumulated errors over time threw the log off by quite a bit - thereby defeating the object of the exercise of having the log ... (it was NEVER meant as a 'points table').

The sometime ridiculous conflicting reports (almost always due to uncorrected sloppy entries) was why I eventually threw in the towel. It was j8ust to tome demanding to check what was correct and what was not.

Luckily, some of the entries were obviously false - and thereby easy to rectify.

I have no such association with the D.Carr site so the above is just my little quibble - no need to send an assasination squad.

73 John. <la2qaa@...>

2538. Re: [eu-amsat] ESEO goes into LEO

Yahoo group: eu-amsat
Date: 2009-05-24 20:17:12 UTC
From: Trevor .
Topic: 2532 Message: 2538

Hi Thomas, Yes it was unfortunate the orbit was changed, it will certainly be challenging to receive the 5.84 GHz beacon in that orbit. There's a project update issued last December at http://www.uk.amsat.org/content/view/682/68/ It was also on Southgate at http://www.southgatearc.org/news/december2008/eseo_project_latest_news.htm BTW it's not just 2.4 and 5 GHz the update mentions the linear 435/145 transponder 73 Trevor M5AKA --- On Fri, 22/5/09, Thomas Frey wrote: From: Thomas Frey Subject: [eu-amsat] ESEO goes into LEO To: "EU-Amsat" Date: Friday, 22 May, 2009, 12:44 PM Hello All I collect regular data from IARU Amateur Satellite Frequency Coordination to compile my satellite list at http://www.amsat- dl.org//index. php?option= com_content& task=view& id=46&Itemid= 102 About SSETI ESEO you can read now: "Previously planned for a 7 degree inclination GTO with a launch from Kourou in late 2008. The project has now been respecified for a low earth, sun syncronous orbit at around 600-800km altitude." (http://www.amsat. org.uk/iaru/ informal_ detail.asp? serial=82) The previous text was: "The ESA sponsored, SSETI ESEO mission, is planned for a 7 degree inclination GTO with a launch from Kourou in late 2008. A 120kg satellite of similar construction to SSETI Express, it will employ deployable solar arrays and incorporate cold gas jets for attitude control." I think this are bad news for a satellite with S-Mode and 5 GHz downlink. Mit freundlichen Grüssen, Regards, 73 Thomas Frey, HB9SKA _____ _____ _____ _____ _____ _____ _ Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 http://home. datacomm. ch/th.frey/

2539. Re: [eu-amsat] Correct reporting?.

Yahoo group: eu-amsat
Date: 2009-05-24 20:39:48 UTC
From: Eric Knaps, ON4HF
Topic: 2537 Message: 2539

Hello John,

I indeed had a contact on AO-51 on the 23th of this month at 17:46 UTC.
The bird was over Europe at that time and i made a contact with G1EFP.

The message came a day later on the amsat-bb. (I don't know what caused
the delay)
That's why you think i worked the bird at the 24th!

Since then i didn't hear anything from AO-51.

73,
Eric.

Amateur radio station ON4HF
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

John Hackett schreef:
>
>
> I was somewhat intrigued by the ON station's report on the Amsat-bb
> this afternoon (Sunday) about working AO-51 at 17:40.
>
> The gist of the message was ... "I had a nice QSO on AO-51 at 17:30 so
> I guess the transponder is back on".
>
> Two things peeked my curiosity, 1) the satellite was over New Zealand
> at 17:30
> and 2) six (6) other stations reported the satellite as 'nothing head'
> on the D. Carr/
> B. Bruninga website. The next pass was also reported as nothing heard.
>
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> a very, very
> *VERY* !!! large array? ... (I've operated Europe-New Zealand on AO-13
> but on
> AO-51? it's a bit of a stretch, to say the least.
>
> My point? - when I look at the page to determine the state of a
> satellite at any

> given time it makes life a bit difficult with conflicting reports.
>
> This happens frequently and people reporting working a satellite when
> it's switched
> off just confuses the issue even more.
>
> Surely it's not too much trouble to check your log entry and r-enter
> it if it's incorrect.
>
> I remember when I used to edit the AO-7 Resource Page Log, accumulated
> errors
> over time threw the log off by quite a bit - thereby defeating the
> object of the exercise of having the log ... (it was NEVER meant as a
> 'points table').
>
> The sometime ridiculous conflicting reports (almost always due to
> uncorrected sloppy entries) was why I eventually threw in the towel.
> It was j8ust to tome demanding to
> check what was correct and what was not.
>
> Luckily, some of the entries were obviously false - and thereby easy
> to rectify.
>
> I have no such association with the D.Carr site so the above is just
> my little
> quibble - no need to send an assasination squad.
>
> 73 John. <la2qaa@...>
>
>
>

2540. Correct reporting? ... YES !!!.

Yahoo group: eu-amsat
Date: 2009-05-24 20:50:31 UTC
From: John Hackett
Topic: 2537 Message: 2540

Hello Eric,
Rgr on the delay from the Amsat-bb, yes, of course, that
explains it. I naturally assumed the contact was for Sunday since the
wording was 'today' when the message appeared on Sunday afternoon
(but was in fact posted on Saturday!).

The source of the confusion was the Amsat-bb delay and *NOT* !!! your
reporting.

Thank you for the message Eric, very much appreciated.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: on4hf@...
Date: Sun, 24 May 2009 22:39:48 +0200
Subject: Re: [eu-amsat] Correct reporting?.

Hello John,

I indeed had a contact on AO-51 on the 23th of this month at 17:46 UTC.

The bird was over Europe at that time and i made a contact with G1EFP.

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Eric.

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Eric Knaps
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B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

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this afternoon (Sunday) about working AO-51 at 17:40.

The gist of the message was ... "I had a nice QSO on AO-51 at 17:30 so I guess the transponder is back on".

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and 2) six (6) other stations reported the satellite as 'nothing head' on the D. Carr/

B. Bruninga website. The next pass was also reported as nothing heard.

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VERY !!! large array? ... (I've operated Europe-New Zealand on AO-13 but on

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quibble - no need to send an assasination squad.

73 John. <la2qaa@...>

2541. Re: [eu-amsat] ESEO goes into LEO

Yahoo group: eu-amsat
Date: 2009-05-24 22:45:20 UTC
From: Thomas Frey
Topic: 2532 Message: 2541

Trevor . schrieb:
>
>
> Hi Thomas,
>
> Yes it was unfortunate the orbit was changed, it will certainly be
> challenging to receive the 5.84 GHz beacon in that orbit.
>
> There's a project update issued last December at
> http://www.uk.amsat.org/content/view/682/68/
>
> It was also on Southgate at
> http://www.southgatearc.org/news/december2008/eseo_project_latest_news.htm
>
>
> BTW it's not just 2.4 and 5 GHz the update mentions the linear 435/145
> transponder
>
> 73 Trevor M5AKA
>
>
Hi Trevor

Yes, I was reading over this fact in December.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2542. 10GHZ preparation

Yahoo group: eu-amsat
Date: 2009-05-01 02:17:27 UTC
From: Luc Leblanc
Topic: 2542 Message: 2542

In view of what's is planned for the next P3E HEO i want to try some 10ghz band experiment

I got a local Hamfest a Hughes LNA P/N 1011836-0009 personal earth station. My first google search does not give any results nor a direct
call to Hughes company who even give less results...

This LNA has a N type connector on it marked IF a F connector marked LNC another F marked POINTING and on the side another F connector on
probably the LNA model PLV-810A. There is a rotary adjustable ring for vertical or horizonthal polarisation and a hand writing note
"10-15GHZ KU" the TX power is 1Watt.

If someone is aware ot the use of this PES or know where to get some manual it will help me to see if i can put this on the air?

You can see a similar unit on e-bay at
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&ssPageName=STRK:MEWAX:VRI&item=110395595319

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2543. 10GHZ trabsceiver

Yahoo group: eu-amsat
Date: 2009-05-28 03:08:04 UTC
From: Luc Leblanc
Topic: 2543 Message: 2543

Just a resend first one come out with wrong date.

In view of what's is planned for the next P3E HEO i want to try some 10ghz band experiment

I got a local Hamfest a Hughes LNA P/N 1011836-0009 personal earth station. My first google search does not give any results nor a direct
call to Hughes company who even give less results...

This LNA has a N type connector on it marked IF a F connector marked LNC another F marked POINTING and on the side another F connector on
probably the LNA model PLV-810A. There is a rotary adjustable ring for vertical or horizonthal polarisation and a hand writing note
"10-15GHZ KU" the TX power is 1Watt.

If someone is aware ot the use of this PES or know where to get some manual it will help me to see if i can put this on the air?

You can see a similar unit on e-bay at
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&ssPageName=STRK:MEWAX:VRI&item=11039559
5319

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2544. Satellite Tracker ST-3 Installation

Yahoo group: eu-amsat
Date: 2009-05-28 19:07:50 UTC
From: kp4ed_1
Topic: 2544 Message: 2544

Hello EU-Amsat Friends:

Will appreciate any user of the subject tracker email me regarding clarification of doubts about it's calibration.

Best 73 de Luis, KP4ED

2545. BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-05-31 12:50:58 UTC
From: Trevor .
Topic: 2545 Message: 2545

From
http://www.southgatearc.org/news/may2009/bbc_radio4_space_radio_drama.htm

A drama by the Britsh Broadcasting Company (BBC) based on the Judica-Cordiglia brothers interception of transmissions from early Russian space missions can now be heard on the web.

Direct link - http://www.bbc.co.uk/programmes/b00kk4cc

73 Trevor M5AKA
RSS Daily Radio News: http://www.southgatearc.org/
Daily News via Email:
http://www.feedburner.com/fb/a/emailverifySubmit?feedId=2783644&loc=en_US
Submit your news: http://www.southgatearc.org/news/your_news_1.htm
or email editor at southgatearc.org

2546. RE: [eu-amsat] BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-05-31 14:57:24 UTC
From: John Hackett
Topic: 2545 Message: 2546

Hello folks,
I remember these fantastic claims from my youth.

Here are a few comments from the other side of the coin.

One chooses what to believe based on the evidence presented.

There is no question that a 'sort-of' tracking station was set up but
I wouldn't give you a quid for every Db of gain claimed for the aerials
used ... not to speak of the fact that those aerials wouldn't be very
effective at all on the frequencies that were actually used.

You can easily estimate the size by comparison to a chimney stack,
roof slate or wallbrick.

<http://www.svengrahn.pp.se/trackind/Torre/TorreB.html>

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Sun, 31 May 2009 12:50:58 +0000
Subject: [eu-amsat] BBC - Judica-Cordiglia brothers

From

http://www.southgatearc.org/news/may2009/bbc_radio4_space_radio_drama.htm

A drama by the Britsh Broadcasting Company (BBC) based on the Judica-Cordiglia brothers
interception of transmissions from early Russian space missions can now be heard on the
web.

Direct link - http://www.bbc.co.uk/programmes/b00kk4cc

73 Trevor M5AKA

RSS Daily Radio News: http://www.southgatearc.org/

Daily News via Email:

http://www.feedburner.com/fb/a/emailverifySubmit?feedId=2783644&loc=en_US

Submit your news: http://www.southgatearc.org/news/your_news_1.htm

or email editor at southgatearc.org

2547. RE: [eu-amsat] BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-05-31 21:26:08 UTC
From: m5aka@yahoo.co.uk
Topic: 2545 Message: 2547

Thanks for that link John. I'd not heard of the Judica-Cordiglia until I ran across the BBC programme.

The picture of the antenna certainly looks impressive.

As the website points out the "dish" doesn't do a great deal but then it may not be intended to. What I saw when I looked at the pictures is an antenna system that could be configured for different frequency bands, albeit slowly, with someone having to go up there, dismantle part of the antenna and put in a new set of elements.

To me the dish at the back looked as though it were part of a UHF (400 MHz) antenna system which the later pic of showing the helical might appear to confirm. So arguably when they wanted to receive VHF instead they simply removed the UHF helical and put some yagis there. No point in removing the dish as it doesn't adversly affect VHF performance.

Unfortunately the pics lack a timeframe, we do not know which antenna configuration was being used to receive which transmissions.

As far as frequencies mentioned are concerned, despite what the web site says 405 MHz certainly sounds plausable for space comms. To this day 406-406.1 is used by sats and I seem to recall that the lower part of 400 MHz was used by sats prior to it becoming a medical implant band.

The reference to 145.800 MHz is certainly interesting. It has only been used for ISS Amateur Satellite comms in this century, the earlier Shuttle Amateur Radio operations were I think around 145.840 MHz FM ?

As I recall the IARU approved the use of 145.800 MHz 5 kHz Deviation FM with doppler shift of +/- 2 kHz for future ISS operation around 1997 ?? and then subsequently approved the use of RV63 (145.7875 output) for FM repeaters across Europe. Two decisions that are not quite compatable but that's a different story.

As far as early Soviet space exploration is concerned I can see no reason why they wouldn't have used 145.8. Certainly at that time the UK used half a dozen frequencies in the 2 metre band for aeronautical purposes and the Soviets would certainly have been free to use whatever frequency suited their interests at the time.

Anyway I guess it's one of those things we'll never know for sure until the archives at the Kremlim are available for all to see which will probably be many decades from now.

73 Trevor M5AKA

--- On Sun, 31/5/09, John Hackett <archie.hackett@...> wrote:

From: John Hackett <archie.hackett@...>
Subject: RE: [eu-amsat] BBC - Judica-Cordiglia brothers
To: eu-amsat@yahoogroups.com
Date: Sunday, 31 May, 2009, 3:57 PM

Hello folks,
I remember these fantastic claims from my youth.

Here are a few comments from the other side of the coin.

One chooses what to believe based on the evidence presented.

There is no question that a 'sort-of' tracking station was set up but
I wouldn't give you a quid for every Db of gain claimed for the aerials
used ... not to speak of the fact that those aerials wouldn't be very
effective at all on the frequencies that were actually used.

You can easily estimate the size by comparison to a chimney stack,
roof slate or wallbrick.

<http://www.svengrah n.pp.se/trackind /Torre/TorreB. html>

73 John. <la2qaa@hotmail. com>

To: eu-amsat@yahoogroup s.com
From: m5aka@yahoo. co.uk
Date: Sun, 31 May 2009 12:50:58 +0000
Subject: [eu-amsat] BBC -
Judica-Cordiglia brothers

From

http://www.southgat earc.org/ news/may2009/ bbc_radio4_ space_radio_ drama.htm

A drama by the Britsh Broadcasting Company (BBC) based on the Judica-Cordiglia brothers
interception of transmissions from early Russian space missions can now be heard on the
web.

Direct link - http://www.bbc. co.uk/programmes /b00kk4cc

73 Trevor M5AKA

RSS Daily Radio News: http://www.southgat earc.org/

Daily News via Email:

http://www.feedburn er.com/fb/ a/emailverifySub mit?feedId= 2783644&loc= en_US

Submit your news: http://www.southgat earc.org/ news/your_ news_1.htm

or email editor at southgatearc. org

2548. Re: [amsat-bb] BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-06-01 04:26:27 UTC
From: Luc Leblanc
Topic: 2548 Message: 2548

Some link on the same "Controversial" subjects:

http://www.lostcosmonauts.com/default.htm

The "myth buster"

http://www.svengrahn.pp.se/trackind/Torre/TorreB.html

http://www.freerepublic.com/focus/chat/2048540/posts

The film french version

http://www.craq.qc.ca/2007/index.php?option=com_content&task=view&id=245&Itemid=105

On 31 May 2009 at 12:39, m5aka@... wrote:

>
> >From
> http://www.southgatearc.org/news/may2009/bbc_radio4_space_radio_drama.htm
>
> A drama by the Britsh Broadcasting Company (BBC) based on the Judica-Cordiglia brothers interception of transmissions from early Russian space missions can now be heard on the web.
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2549. Re: BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-06-01 07:56:52 UTC
From: Allan Copland
Topic: 2545 Message: 2549

--- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:
>
>
> From
> http://www.southgatearc.org/news/may2009/bbc_radio4_space_radio_drama.htm
>
> A drama by the Britsh Broadcasting Company (BBC) based on the Judica-Cordiglia brothers interception of transmissions from early Russian space missions can now be heard on the web.

I'm glad this one is billed as a drama and not a true account.
I've had a lifelong interest in the Russian Space program and this story has surfaced many times over the years . It's all rather akin to the 'faked moon landings' stuff we hear so often.

LA2QAA has already commented on the radio aerials used so I won't elaborate on that I'd respectfully suggest that reading general Kamanin's diaries would be infinitely more enlightening than watching the BBC's forthcoming 'Drama'.

http://www.astronautix.com/articles/kamaries.htm

For those not familiar with the General, he provides the only really detailed information on much of what went on 'behind the curtain' in the Russian Space program during the cold war days.

Of course one should not overlook the superb detective work done by the Kettering Group, headed by Geoff Perry and the work of Sven Grahn (also of the Kettering Group) and others.

Sven's Site is at http://www.svengrahn.pp.se/

I'd suggest you make up your own mind to sort out the wheat from the chaff, but I would point out that there is plenty of evidence to suggest that these brothers were charlatans. Still, a good story will always 'sell'.

73 Al.
GM1SXX

2550. Re: BBC - Judica-Cordiglia brothers

Yahoo group: eu-amsat
Date: 2009-06-01 09:50:55 UTC
From: Allan Copland
Topic: 2545 Message: 2550

Hi group.

More on this thread at...
http://www.svengrahn.pp.se/trackind/Torre/TorreB.html
Or... how about this one...
http://www.jamesoberg.com/usd10.html
No mention of the infamous brothers but plenty of stuff you may not know about Russian accidents.

I like this one even more. The brothers don't get a mention, but it's worth a read anyway.
http://www.pd.infn.it/~loreti/science.html

It's by Richard P Feynman on the business of 'cargo cult 'science''.... or ....how ordinary sane people can be easily fooled by bunkum.

Vy 73,
Al.
GM1SXX

2551. Interesting experiment by Tim, N3TL, K8YSE and others (100mw SSB on A-O-7)

Yahoo group: eu-amsat
Date: 2009-06-04 08:03:31 UTC
From: Allan Copland
Topic: 2551 Message: 2551

Hi Group.

I found this interesting message on the AMSAT-BB today.
If nothing else, it demonstrates that QRP SSB satellite contacts are entirely possible, even on a bird (launched November 15, 1974) with shot batteries and virtually no power available from it's radiation-damaged 33+ year old solar panels.

If anyone in the group needs convincing, this experiment by Tim really does adequately demonstrate that 'less is more' when it comes to the Analogue birds. A-O-7 has a {very} sensitive receive system that seems to be working as well as ever it did.

Good on yer, Tim, and A-O-7!

73 Al.
GM1SXX
==========
>Subject: [amsat-bb] AO-7 Milliwatt Report
To: AMSAT-BB@...
Message-ID:
<060320091357.25979.4A26814E00010A1B0000657B22230650029B0A02D2089B9A019C04040A0DBF049BCC02
@...>

Content-Type: text/plain

Hey everyone,

My thanks to K8YSE, who heard my faint CQ on AO-7 at 13:16 UTC this morning and called me. We had a contact
that lasted about a minute with a few exchanges, which is really a thrill here because I was transmitting a half-watt out on a Yaesu FT-817ND.

As I suspected from the "test run" the other night, my setup here requires that AO-7 reach roughly 50 degrees elevation before I can hear myself at all on this lowest-of-all power settings for my SSB/CW satellite station.
I also suspect I can lower that elevation some by working CW instead of SSB, and I intend to find out on the next really high pass over me.

Thanks, too, to Rick, WA4NVM, Pete, WB2OQQ, and others who were listening for me on the pass. By and large, the AMSAT community comprises wonderful folks who are always willing and enthusiastic to help out whenever I get a wild hair to try something on the satellites. I appreciate all of you very much.

73 to all,

Tim - N3TL

2552. Eclipse

Yahoo group: eu-amsat
Date: 2009-06-08 18:50:41 UTC
From: st2nh
Topic: 2552 Message: 2552

Hellllllllllllo
it seem this month the group at eclipse!!!

73's
Nader,st2nh

2553. Re: [eu-amsat] Eclipse

Yahoo group: eu-amsat
Date: 2009-06-08 22:09:18 UTC
From: Eric Knaps, ON4HF
Topic: 2552 Message: 2553

Hello Nader,
I am allways behind my radio making contacts (via sat of course!)

Good luck,
Eric.

Amateur radio station ON4HF
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

st2nh schreef:
>
>
> Hellllllllllllo
> it seem this month the group at eclipse!!!
>
> 73's
> Nader,st2nh
>
>

2554. RE: [eu-amsat] Eclipse

Yahoo group: eu-amsat
Date: 2009-06-09 07:06:09 UTC
From: John Hackett
Topic: 2552 Message: 2554

Hello Nader,
Much depends on what is happening (or not!) on the satellite
scene at the time.

Check the archives (at the bottom of the main page) and see how those tally
against what was debated and what 'satellite' activity there was in those months.

Also ... at this time of year many people take a holiday.

The activity swings up and down, 6 messages in June 2007, 64 in 2008.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Mon, 8 Jun 2009 18:50:41 +0000
Subject: [eu-amsat] Eclipse

Hellllllllllllo

it seem this month the group at eclipse!!!

73's

Nader,st2nh

2555. Re: Eclipse

Yahoo group: eu-amsat
Date: 2009-06-10 09:55:51 UTC
From: dl5rdi
Topic: 2552 Message: 2555

Hello Nader,

perhaps you can activate more stations from africa to be QRV via SAT, then the eclipse here in the board and on the SATs will be over ;-).

I think you and TR8CA (I hope the call is correct) are the only "exotic" stations which are regularly QRV.

73 de John, DL5RDI

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hellllllllllllo
> it seem this month the group at eclipse!!!
>
> 73's
> Nader,st2nh
>

2556. Webcast of L'Aquila Amateur Radio Space Station contact 07:52 BST

Yahoo group: eu-amsat
Date: 2009-06-10 19:59:15 UTC
From: Trevor .
Topic: 2556 Message: 2556

On Friday June 12 at 06:52 UT / 07:52 BST / 08:52 CET astronaut Frank De Winne ON1DWN, one of the five Radio Amateurs onboard the International Space Station (ISS), will talk to students at "A.Bafile" college in L'Aquila, Italy using Amateur Radio on 145.800 MHz FM.

As you may be aware on April 6 L'Aquila and its schools suffered a devastating earthquake, reaching 6.7 on the Richter scale.

The quake killed about 300 people, with at least 70,000 left homeless. Liceo Scientifico "A. Bafile" is currently operating under a school-tent at "Colle Sapone" site, together with other secondary schools of L'Aquila. Currently more than 500 students, aged 13 to 18, are attending courses under tents provided by the Italian Ministry of Education (MIUR) and by the Civil Defense (DPC).

Frank ON1DWN will be transmitting from the Amateur Radio station on the ISS using 145.800 MHz FM. It should be receivable in the British Isles and Europe using a handheld 2 metre FM radio and a 1/4 wave whip antenna.

The contact will also be webcast at:

http://www.livestream.com/isscontact/

Related info:

Two ARISS contacts planned for astronaut Frank De Winne ON1DWN on Friday
http://www.southgatearc.org/news/june2009/ariss_event_1206.htm

Find out when the ISS is in range by using the N2YO Real-Time Tracking website at
http://www.n2yo.com/

ISS Fan Club:
http://www.issfanclub.com/

AMSAT-UK
http://www.uk.amsat.org/

73 Trevor M5AKA

2557. OM9ACA now active on the sats

Yahoo group: eu-amsat
Date: 2009-06-12 14:24:45 UTC
From: billdz.geo
Topic: 2557 Message: 2557

Hi folks,

I arrived here in Bratislava last week and will stay for 6 weeks. I've already met some of you on the birds and hope to work everyone. I'm using a Yaesu FT-60R HT with the Arrow antenna. I may also try to work the linear sats in half-duplex mode later this month with my IC-7000.

My grid locator is JN88mf. My logging is not 100% accurate so please email or send eQSL to be sure you are in the log.

73, Bill OM9ACA/NZ5N

2558. Re: OM9ACA now active on the sats

Yahoo group: eu-amsat
Date: 2009-06-12 17:33:58 UTC
From: Igor
Topic: 2557 Message: 2558

Hi Bill!
Tnx for QSO via SO-50. QSL via manager, direct or how?

--- In eu-amsat@yahoogroups.com, "billdz.geo" <billdz.geo@...> wrote:
>
> Hi folks,
>
> I arrived here in Bratislava last week and will stay for 6 weeks. I've already met some of you on the birds and hope to work everyone. I'm using a Yaesu FT-60R HT with the Arrow antenna. I may also try to work the linear sats in half-duplex mode later this month with my IC-7000.
>
> My grid locator is JN88mf. My logging is not 100% accurate so please email or send eQSL to be sure you are in the log.
>
> 73, Bill OM9ACA/NZ5N
>

2559. Re: [eu-amsat] Re: OM9ACA now active on the sats

Yahoo group: eu-amsat
Date: 2009-06-12 17:53:38 UTC
From: Bill Dzurilla
Topic: 2557 Message: 2559

Hi Igor,

Tnx for SO-50 qso, good signal. My QSL mgr is WA4WTG. Also 100% qsl via eQSL and LOTW.

73, Bill

--- On Fri, 6/12/09, Igor <rw3xl@yandex.ru> wrote:

From: Igor <rw3xl@...>
Subject: [eu-amsat] Re: OM9ACA now active on the sats
To: eu-amsat@yahoogroups.com
Date: Friday, June 12, 2009, 1:33 PM

Hi Bill!

Tnx for QSO via SO-50. QSL via manager, direct or how?

--- In eu-amsat@yahoogroup s.com, "billdz.geo" <billdz.geo@ ...> wrote:

>

> Hi folks,

>

> I arrived here in Bratislava last week and will stay for 6 weeks. I've already met some of you on the birds and hope to work everyone. I'm using a Yaesu FT-60R HT with the Arrow antenna. I may also try to work the linear sats in half-duplex mode later this month with my IC-7000.

>

> My grid locator is JN88mf. My logging is not 100% accurate so please email or send eQSL to be sure you are in the log.

>

> 73, Bill OM9ACA/NZ5N

>

2560. AO-7 one mode ?

Yahoo group: eu-amsat
Date: 2009-06-13 22:38:13 UTC
From: st2nh
Topic: 2560 Message: 2560

Hi all GM

I notice AO-7 sat at Live OSCAR Satellite Status Page
http://oscar.dcarr.org/index.php
stuck only to mode B in the last 6 days !!
What the explanation for this one mode over long period?

73's
Nader, st2nh

2561. Re: [eu-amsat] AO-7 one mode ?

Yahoo group: eu-amsat
Date: 2009-06-14 00:35:39 UTC
From: Thomas Frey
Topic: 2560 Message: 2561

st2nh schrieb:
> Hi all GM
>
> I notice AO-7 sat at Live OSCAR Satellite Status Page
> http://oscar.dcarr.org/index.php
> stuck only to mode B in the last 6 days !!
> What the explanation for this one mode over long period?
>
> 73's
> Nader, st2nh
>
>
>
>
>

Hello Nader

AO-7 is in his eclipse-time again and the CW-beacon on 145.972 MHz is
also active again.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2562. RE: AO-7 one mode ?

Yahoo group: eu-amsat
Date: 2009-06-14 10:00:43 UTC
From: John Hackett
Topic: 2560 Message: 2562

Nader,
A couple of years ago I discovered the anomoly of the 24 hour timer.

<http://www.observations.biz/interesting_websites/ao7_southgatearc.htm>

As I have previously mentioned (several times) the timer is *NOT* as decribed in the 1974 Amsat newsletter. Changes were made just prior to launch. After e-mail confirmation by Jan King (the AO-7 spacecraft designer) GM1SXX and myself managed to figure out the anomolies.

I described this in several articles. A Google search for AO-7's 24 hour timer ought to turn up something. If I recall correctly, it's also mention in Observations from Norway, Observations from Scotland and several åpost to this reflector as well as the Amsat-bb.

I can't remember the date though, it's a while back now.

(Google is your friend.....GM1SXX).

Be aware that the CW beacon is sending 'rubbish' - you'll find out why in some of the artcles.

Thomas is right - it's due to the illumination percentage of the sun panels and consequently the threshold of the circuitry.

Hope that helps.

73 John. <la2qaa@...>.

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Sun, 14 Jun 2009 02:35:39 +0200
Subject: Re: [eu-amsat] AO-7 one mode ?

st2nh schrieb:

> Hi all GM

>

> I notice AO-7 sat at Live OSCAR Satellite Status Page

> http://oscar.dcarr.org/index.php

> stuck only to mode B in the last 6 days !!

> What the explanation for this one mode over long period?

>

> 73's

> Nader, st2nh

>

>

>

>

>

Hello Nader

AO-7 is in his eclipse-time again and the CW-beacon on 145.972 MHz is

also active again.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2563. Backlog

Yahoo group: eu-amsat
Date: 2009-06-14 10:45:51 UTC
From: John Hackett
Topic: 2563 Message: 2563

Nader,
Here's a backlog of some of the previous AO-7 beacon information.

<http://www.ne.jp/asahi/hamradio/je9pel/ao7cwtlm.htm>

Be aware that the parameters for channel 6 *must* be 649, 650 or 651 ...
anything other and the beacon will be sending random characters due to the
voltage being too low.

I monitored this daily for more than 12 month period.

I did *NOT* keep the data since it was invalid.

You may recall I mentioned to you quite a long time ago that the beacon
telemetry was only to be trusted in cetain circumstances.

GM1SXX and myself were in contact with Jan King while we were performing
these tests. Al may still have the texts - or they may even be on the
OBSERVATIONS website.

In either case, an e-mail to Al would confirm that, - jay or nay ... (Al does
all the actual work on the website - I just sit back and take the credit for it).

73 John. <la2qaa@amsat.org>

2564. FM satellites.

Yahoo group: eu-amsat
Date: 2009-06-14 12:26:36 UTC
From: John Hackett
Topic: 2564 Message: 2564

Hello Folks,
Being Sunday, it's time for a 'waffle'.

Tackling the 'zoo' on AO-51 (and to a lesser extent) SO-50, for the newcomer can be quite a daunting experience. One could say it's like p*ssing in the wind - but it's up to the experienced operator to try to guide/teach the potential newcomer.

The following operating notes from Tony VK3JED from 1999 are still relavant today.

Paricularly the line ... "if you only want to hear your own voice, buy a tape recorder!".

73 John. <la2qaa@amsat.org>

.....

Operating procedures for FM satellites.

Most material I've seen on satellite operation deals with linear transponders. While these procedures are mostly good operating habits and common sense, they do not specifically emphasise the key constraints placed upon the FM transponders, namely limited QSO throughput due to single channel operation, and higher levels of demand. As a result, any operating procedures must address these issues and ensure as many people as possible can make contacts during the pass. My suggestions are drawn from a combination of FM repeater procedures, contesting and traditional satellite operation, as elements of each of these facets are incorporated into FM satellite operation. I'll summarise my procedures below:

1. First and foremost is to listen before and while (if possible) transmitting, to ensure your transmissions don't drown out a weaker station who may be on the edge of a pass or running QRP. Satellites should be an alligator free zone. It is strongly recommended that you set your station up so you can monitor the downlink while transmitting, so you can hear how well you are accessing the satellite and whether you accidentally clobbered someone else. Similarly, if you can't hear the transponder, don't transmit. Do something else more productive, such as realign your receiving antenna to improve reception.
2. Be brief. Because the traffic levels can be quite high, contest style (callsign/signal report/next station) operation is the most appropriate for most situations. Many stations also exchange QTH and first names, which is OK if time permits. If transponder activity is low, you can have a brief chat, but the opportunities for this are becoming rare now.
3. Take turns. If you've just worked a handful of stations, be polite and hand the transponder over to someone else so they can work a few. There may be an opportunity to call back in later during the pass and work some different stations as the satellite passes over different areas, and others will appreciate your courtesy.
4. When calling, a simple announcement (e.g. "This is VK3JED listening SUNSAT" or even "VK3JED listening") will suffice, like it does on a terrestrial repeater. Anyone within transponder range will hear your call. A short CQ call ("CQ SUNSAT, this is VK3JED") is OK too. Long CQ calls waste transponder time and frustrate everyone listening. Save the long CQs for HF, where they're appropriate. Only call CQ when there's a distinct lack of

activity, such as at the very start of a pass and sometimes late in the pass after everyone else has finished. A well placed CQ call late in a pass might alert someone ahead of the satellite that a pass has just commenced over their QTH.
5. Wait your turn. If a QSO is in progress, wait until it finishes before putting in your call. Butting in too soon is rude and wastes precious transponder time as the stations involved in the QSO have to repeat themselves due to your QRM.
6. Don't tune up! Believe it or not, there are stations who test their satellite access by dropping a carrier over the top of everyone and perhaps announcing "Hello hello". Simply putting out a call at the appropriate time will provide all the signal checks you need (and net you a worthwhile contact! :)), without annoying everyone else on the transponder. If you're really that doubtful about your equipment, perhaps connect your dummy load, test in the shack and try again another day, rather than disrupting everyone else. If you just want to hear your voice, well a tape recorder or a pair of walkie talkies will do just as well...
7. Reward good operation. If you're answering a call, why not reward the good operators and put the alligators last on your list of priorities. If all satellite users favour good operators, perhaps everyone will learn that good ops have the highest QSO rates and earn the most satellite awards. :-) Peer pressure is a powerful motivating force, as any teenager will know (but probably not admit to! :-)).
8. Use the minimum power necessary. While power levels are not critical on FM satellites (unlike linear transponders where an excessively strong signal can affect other QSOs on the transponder), using the minimum power necessary allows you to easier tell if you're 'doubling' with someone else. For the South African SUNSAT satellite, you shouldn't need more than 5 watts into a basic (1/2 wave handheld or turnstile) antenna, perhaps a bit more if the antenna is setup for terrestrial operation, to overcome radiation pattern limitations. As an example of good operation, recently one station who had multiple beams wound his power back to 20 mW. The signal into the bird was full quieting, but it was still possible to tell if someone else was underneath his signal. If he had run 100W, he couldn't have known if he'd stepped on anyone else, due to the capture effect of FM.

If everyone follows these simple guidelines (which are basically common sense and courtesy), then FM satellite operation can be enjoyable for everyone, regardless of whether you run a sophisticated satellite station or a couple of handhelds from the back yard. FM satellite transponders are like FM repeaters, only more extreme. On the positive side, they can enable minimally equipped stations thousands of kilometres apart to communicate with ease. On the other hand, the worst aspects of repeaters can be experienced as well, such as congestion, doubling and even the odd idiot dropping carriers! (I don't know how the idiots manage to always have a very strong signal, even when the repeater is 800 km off the ground!). The operators themselves (that's YOU!) have the power to determine what sort of experience FM satellite operation will be in the future.

A final note. I suggested that satellite operators listen to their downlink while transmitting for several reasons. Firstly, of course, to hear if you're accessing the satellite and that you're on frequency, and secondly to ensure you're not going over the top of someone else. Those who aspire to SSB satellite operation will need to be able to monitor signal so they can compensate for Doppler shift (which affects SSB much more severely than FM). To do this requires suitable equipment and a bit of skill. The equipment can be either a multi band transceiver with crossband duplex capabilities, such as some modern multiband rigs, or a pair of transceivers, one tuned to the uplink and one tuned to the downlink. You will also need headphones or an earpiece to avoid causing feedback when transmitting.

Hearing youself in your ears every time you transmit can be disconcerting at first, and being able to listen for heterodynes and general signal quality while talking can take a little practice. It's not difficult to learn, and practice is easy and shouldn't be intrusive on your normal operation. Some ways to practice self monitoring are:

* The simplest is to have a receiver tuned to your transmitting frequency. This will allow you to hear yourself. However, it doesn't allow you to montior other band activity while transmitting since your transmitted signal will overpower everyone else's.
* Alternatively, if you live close to a repeater that you use regularly (or have a set of cavities!), you can set the receiver to monitor the output of the repeater at all times. Whenever you transmit, you will hear yourself (provided desense from your transmitted signal doesn't wipe out the received signal) on the output, as well as any other QRM. This is a fairly accurate simulation of FM satellite operation, and the most recommended way to practice monitoring your own transmitted signal.
* Crossband duplex operation can also help one to practice listening while the button is down, though this is a bit more like a telephone than satellite operation.

Keep up the good habits and hope to hear you on the birds. 73 - VK3JED.

2565. An erratic ticker.

Yahoo group: eu-amsat
Date: 2009-06-14 18:40:13 UTC
From: Allan Copland
Topic: 2560 Message: 2565

Hi group.

Re John's posting about AO7's timer, I can tell more about what happened with AO7.

AO7 was intended to use a quartz crystal controlled mod-switching etimer but in those days Xtals were expensive and time was short, and rather than use a crystal oscillator (as shown in the schematics), Jan and Karl used a simple R/C oscillator instead, driving a first generation CMOS divider chain to provide the timed mode changeover. This information came direct from Jan King, chief designer of AO7, but we had to 'wring' it out of him :-)... remotely, by email. So although there are those who hang on every word that AMSAT says or publishes, sometimes the reality, for practical reasons, may actually be different. The documentations shows an Xtal timer. The satellite carries an RC one.

John discovered a long time ago that the timer on AO7 is not especially accurate, as you'd expect with a free-running oscillator that is to a degree temperature dependant. In fact it's quite inaccurate. That got us into talking with Jan, who let us in on the fact that no crystal timer flew on AO7. No self-respecting crystal oscillator would drift anything like as much as the clock on AO7, a fact that LA2QAA discovered by meticulous observation during full-sunlight periods. I have to admit that it was a damned clever bit of detective work on John's part. We *had* to hassle someone for why it was pretty inaccurate... and that led to lots of emails between here and Jan!

So, now you know. AO7's mode switching 'clock' is a simple RC oscillator that drifts a fair bit. It was deemed adequate for the job... and still it is, so long as you don't expect too much of it.

With no battery, the mode switching is erratic, because the timer always starts up as the bird leaves eclipse in an indeterminate state,and the only time it sort of behaves (sometimes!) is in full sunlight... but remember that the solar panels generate so little power, even in full sunlight, that nothing can be guaranteed.

73 Al.
GM1SXX

2566. AO-51 Basement operation!!!

Yahoo group: eu-amsat
Date: 2009-06-15 11:38:54 UTC
From: Luc Leblanc
Topic: 2566 Message: 2566

Hi

I just try AO-51 V/S mode this morning 0700am pass. I was checking a new S band beam and it was a success nearly all the fades disappear
comparing to my former WMAX beam. But i was not able to uplink to the satellite only to discover a frightening flaw in my setup i was
transmitting in the same VHF port that i used for my 2.4GHZ downconverter. Too early in the morning and probably not awaken enough i
immediately stopped transmitting and OH surprised the DC does not blow up?

But what about the 847 finals...they survive about 10 transmission... In the middle of the pass and the DC still working i cannot switch my
rig/antenna fast enough i take my HT DJ-580T with his rubber duck antenna and i punch the uplink frequency then and i called Doug KD8CAO
who was calling in the void since the beginning of the pass and at the same time i heard my downlink he answered me back...My Alinco was at
5W. But the amazing part "i was in my basement..." It is a living proof that the hard part is the receiving side. My last basement record
was on AO-16 50w on a dual band mobile antenna on a metal file cabinet.

P.S. i will buy a lotto ticket today i feel the stars where on my side this morning:)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2567. World Radio Online

Yahoo group: eu-amsat
Date: 2009-06-15 15:09:34 UTC
From: Thomas Frey
Topic: 2567 Message: 2567

Hello All

I found the homepage of World Radio Online. There you can download the entire issue which includes also "AMATEUR SATELLITES: International Amateur Satellite News" from Terry Douds, N8KI.

URL: http://www.cq-amateur-radio.com/WorldRadio.html

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2568. Re: AO-51 Basement operation!!!

Yahoo group: eu-amsat
Date: 2009-06-15 22:17:46 UTC
From: st2nh
Topic: 2566 Message: 2568

HI OM Luc & all GE

Congratulation

Steve Ford worte once in QST:-

No matter how long you've been licensed,there's nothing to
compare with the pure joy of accomplishment!

good luck Luc

Nader , st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> Hi
>
>
> I just try AO-51 V/S mode this morning 0700am pass. I was checking a new S band beam and it was a success nearly all the fades disappear
> comparing to my former WMAX beam. But i was not able to uplink to the satellite only to discover a frightening flaw in my setup i was
> transmitting in the same VHF port that i used for my 2.4GHZ downconverter. Too early in the morning and probably not awaken enough i
> immediately stopped transmitting and OH surprised the DC does not blow up?
>
> But what about the 847 finals...they survive about 10 transmission... In the middle of the pass and the DC still working i cannot switch my
> rig/antenna fast enough i take my HT DJ-580T with his rubber duck antenna and i punch the uplink frequency then and i called Doug KD8CAO
> who was calling in the void since the beginning of the pass and at the same time i heard my downlink he answered me back...My Alinco was at
> 5W. But the amazing part "i was in my basement..." It is a living proof that the hard part is the receiving side. My last basement record
> was on AO-16 50w on a dual band mobile antenna on a metal file cabinet.
>
> P.S. i will buy a lotto ticket today i feel the stars where on my side this morning:)
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe

> WAC BASIC CW PHONE SATELLITE
>

2569. Tongue lodged firmly in cheek.

Yahoo group: eu-amsat
Date: 2009-06-17 10:15:15 UTC
From: John Hackett
Topic: 2569 Message: 2569
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Oh whoa! is me - (sorry, just 'horsing' around) ... for I am undone.
(with due apology to William Shakespeare G.R.H.S.)

(GRHS = God rest his soul).

I entered the 'World's largest 70cm preamp' competition - but I didn't win.
(see attachment).

Maybe I should have put the 9v battery OUTSIDE !!! the preamp ... and
gone for the 'World's smallest', instead.

No, you *DON'T* need a resonant stripline and/or cavity for SO-50
(using the dreaded FM) - a 'noisy' 4dB MAR-3 will do in front of the
- (tendency toward stone deaf) - MYCOM scammer - (full duplex using
the IC-E92D for TX).

Remember !!! ... full duplex means - if you can already hear somebody
using the frequency, turn your power up to *MAXIMUM* and begin
'groaning' like a demented cow ... AWWWWWWWWWWWLLLLLLA ...
then when you're in full lung-stretching mode - quickly switch to CQ CQ
CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ (endlessly) ... making sure you *ARE*
right on top of the other station with less power than yourself.

That's !!! the way to do it - money for nothing and your chicks for free.
(Mark Knopfler).

The emergency services *WILL* realise that this is just the kind of net
dicipline they need - it's EXCELLENT advertising for amateur radio.

... and Ladies & Gentlemen, before you reach for your flame throwers,
please 'do' read the title once more before you're tempted to point out
the error of my ways.

73 John. <la2qaa@...>

2570. Nota Bena

Yahoo group: eu-amsat
Date: 2009-06-17 10:27:16 UTC
From: John Hackett
Topic: 2570 Message: 2570

Hello again Al,
Hotmail (in it's wisdom) seems to have cut off half of the
pic I attached. It was a matchbox - to illustrate size (or rather, lack of)
compared to the preamp.

As you well know, a picture of a matchbox (for size comparison) is *HIGHLY*
suspect and dangerous - so Hotmail probably saved all our PC's from disaster.

Whad'ya mean! I'm already using an anti-virus program? ... you think Hotmail
bothers about a minor detail like that?.

73 John. <la2qaa@...>

2571. Nitpicking.

Yahoo group: eu-amsat
Date: 2009-06-17 12:12:29 UTC
From: John Hackett
Topic: 2571 Message: 2571
Attachments: 2 described; binary payloads are missing from this source WARC

Hello folks,
The D. Carr log at <http://oscar.dcarr.org/> is a useful tool for keeping tabs on the current status of the amateur satellites - for instance, it's quite easy to see, especially from the conflicting reports - exactly what is going on.

For instance, looking at attachment 1 it's logical to assume that the UY5UZ station, because he doesn't hear AO-51, reports the satellite as being OFF whereas Ib OZ1MY (part of the coordinating team) knows the mode has changed and reports the satellite as ON.

It only get confusing when the 'SAME' station (AD5VC) report the satellite as being both ON and OFF ... on the same orbit - SO-50 in this case ... (see attachement 2) - despite the clearly marked log facility for correcting reports made in error.

My apologies for the nitpicking but correct reports do help other operators whereas incorrect reports quite often serve to confuse.

73 John. <la2qaa@...>.

2572. Re: [eu-amsat] Nitpicking. [2 Attachments]

Yahoo group: eu-amsat
Date: 2009-06-17 12:43:01 UTC
From: Thomas Frey
Topic: 2571 Message: 2572

John Hackett schrieb:
> [Attachment(s) <#TopText> from John Hackett included below]
>
> Hello folks,
> The D. Carr log at <http://oscar.dcarr.org/> is a
> useful tool for
> keeping tabs on the current status of the amateur satellites - for
> instance,
> it's quite easy to see, especially from the conflicting reports -
> exactly what is
> going on.
>
> For instance, looking at attachment 1 it's logical to assume that the
> UY5UZ
> station, because he doesn't hear AO-51, reports the satellite as being OFF
> whereas Ib OZ1MY (part of the coordinating team) knows the mode has
> changed and reports the satellite as ON.
>

To know which mode is on, look always on
http://www.amsat.org/amsat-new/echo/CTNews.php first.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2573. Re: Nitpicking. [2 Attachments]

Yahoo group: eu-amsat
Date: 2009-06-17 13:29:05 UTC
From: Allan Copland
Topic: 2571 Message: 2573

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>
> To know which mode is on, look always on
> http://www.amsat.org/amsat-new/echo/CTNews.php first.
>
Sure, this works just fine till the bird crashes and nobody at HQ remembers to update the Echo News page, probably because they are running around trying to recover the satellite from a CPU crash :-)

IMHO the user reports are much more useful. I do remember several occasions in the past when according to AMSAT-NA the bird was reported as working OK but D Carr's pages showed it as off.... usually because of CPU crashes. Usually the AMSAT-BB is even more informative than the AMSAT Echo pages but the regular users and reporters to D Carr's page are better imformed still.

73 Al.
SXX

2574. Re: Nota Bena

Yahoo group: eu-amsat
Date: 2009-06-17 14:01:29 UTC
From: st2nh
Topic: 2570 Message: 2574

Hi John & All

Remeber NO flame on this group as you said several time !!!
So no match pse hi hi.

I like your small match Pre Apm progect.
Pse more details for the group
tnx

73

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello again Al,
> Hotmail (in it's wisdom) seems to have cut off half of the
> pic I attached. It was a matchbox - to illustrate size (or rather, lack of)
> compared to the preamp.
>
> As you well know, a picture of a matchbox (for size comparison) is *HIGHLY*
> suspect and dangerous - so Hotmail probably saved all our PC's from disaster.
>
> Whad'ya mean! I'm already using an anti-virus program? ... you think Hotmail
> bothers about a minor detail like that?.
>
> 73 John. <la2qaa@...>
>

2575. RE: [eu-amsat] Re: Nota Bena

Yahoo group: eu-amsat
Date: 2009-06-17 15:15:53 UTC
From: John Hackett
Topic: 2570 Message: 2575

Hello Nader,
Yes, I prefer to address potential problerms with 'humour' ...
as opposed to getting irritated and upset - or flaming other people.

As to the preamp, actually it's about the size of your thumbnail (using SMD)
and I first built it, oh, I don't know, about 15 years ago.

It utilised a MAR-3 with 100p chips caps in and out and a 110 ohm bias
resistor with the 9v supply. The RF choke is 3 x 2.5mm I.D. turns of
enamelled copper wire close wound.

Decoupling is by 1n, 10n and 100n chip caps in parallel.

I was !!! aware of the fact that this preamp was a *NOISY* little beast
measuring 3.8dB at 435Mhz but for SO-50 it's perfectly adequate though
of course, I would recommend *NO* preamp - but more 'aluminium' - (aerial).

I would definately *NOT* recommend it in competition with a mast mounted
gaAsFET preamp mounted at the aerial - designed for a sky noise figure of
under 1dB.

Around 145Mhz the sky noise is about 2Db so an 0.5dB preamp is hardly worth
the effort at that frequency though at 23cm and above a low noise gaAsFET
IS worth the effort ... but I digress ...

I built the preamp *from my head' so there's no diagram, however, ON6MU
has a slightly more elaborate design at ...

<http://users.belgacom.net/hamradio/schemas/preamp_HF_VHF_UHF_SHF_wideband_MAR6.htm>

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Wed, 17 Jun 2009 14:01:29 +0000
Subject: [eu-amsat] Re: Nota Bena

Hi John & All

Remeber NO flame on this group as you said several time !!!

So no match pse hi hi.

I like your small match Pre Apm progect.

Pse more details for the group

tnx

73

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Hello again Al,

> Hotmail (in it's wisdom) seems to have cut off half of the

> pic I attached. It was a matchbox - to illustrate size (or rather, lack of)

> compared to the preamp.

>

> As you well know, a picture of a matchbox (for size comparison) is *HIGHLY*

> suspect and dangerous - so Hotmail probably saved all our PC's from disaster.

>

> Whad'ya mean! I'm already using an anti-virus program? ... you think Hotmail

> bothers about a minor detail like that?.

>

> 73 John. <la2qaa@...>

>

2576. Re: [eu-amsat] Re: Nitpicking.

Yahoo group: eu-amsat
Date: 2009-06-17 20:52:38 UTC
From: Thomas Frey
Topic: 2571 Message: 2576

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>
>> To know which mode is on, look always on
>> http://www.amsat.org/amsat-new/echo/CTNews.php first.
>>
>>
> Sure, this works just fine till the bird crashes and nobody at HQ remembers to update the Echo News page, probably because they are running around trying to recover the satellite from a CPU crash :-)
>
> IMHO the user reports are much more useful. I do remember several occasions in the past when according to AMSAT-NA the bird was reported as working OK but D Carr's pages showed it as off.... usually because of CPU crashes. Usually the AMSAT-BB is even more informative than the AMSAT Echo pages but the regular users and reporters to D Carr's page are better imformed still.
>
> 73 Al.
> SXX
>

OK Al, but AO-51 doesn't crash everytime - OK ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2577. CPU crashes

Yahoo group: eu-amsat
Date: 2009-06-18 07:56:21 UTC
From: Allan Copland
Topic: 2571 Message: 2577

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> OK Al, but AO-51 doesn't crash everytime - OK ?
>
It crashes far more often than I'd expect :-) The AMSAT BB has given its past crashes plenty of mentions. Satellites relying on CPUs to control their actions are vulnerable to radiation hits, one reason why builders might wish to consider employing simpler systems. The move (over time) away from ground-based command and control to CPU based C&C doesn't seem to have made satellites any more reliable, although it has brought programmed mode switching and more detailed telemetry. 'Progress' has it's cost. Crashes are one of them. AO51 is far from being alone in this respect.

The effects of radiation on satellites can be reduced somewhat by using Rad-Hard parts (expensive). EDAC memory, and shielding, but cannot be eliminated. With Molniya orbit birds, you *need* a computer on board for attitude control and sun-pointing, but for a LEO, unless it supports many different transponder modes, I just can't see any real advantage in making it CPU dependent.
AO7 has no CPU (or functional battery for that matter) yet continues to work as well as could be reasonably expected. No CPU dependent amateur bird has come close in terms of longevity. I'm sure there's a lesson in there somewhere.

73 Al.
GM1SXX

2578. See ... W.

Yahoo group: eu-amsat
Date: 2009-06-19 20:49:29 UTC
From: John Hackett
Topic: 2578 Message: 2578

Hello Group,
I wonder when one of the smart universities will discover
the CW ROBOT we used have on RS-10 ... the best propagation tool
we ever had.

They ought to be able to fit about two thousand of 'em in a cubesat.

73 John. <la2qaa@...>

2579. Re: [Hearsat] Lunar Recon Orbiter

Yahoo group: eu-amsat
Date: 2009-06-19 04:42:13 UTC
From: Luc Leblanc
Topic: 2579 Message: 2579

On 19 Jun 2009 at 22:16, P.J. Marsh wrote:

> Hi all,
>
> The LRO has been launched by NASA and is on the way to the moon. Its
> s-band transmitter has been heard as a consistantly strong signal on
> 2271.180MHz, 20KHz below the nominal TX frequency of 2271.200MHz. Judging
> by the signal strength, it should be comparable to that of the Jaxa Selene
> space craft.
>
> There is an interesting blog at http://lroupdate.blogspot.com/ which
> details the current LRO operations etc.
>
> regards,
>
> Paul.
>

Did anyone kmow the LRO keps?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2580. Re: See ... W.

Yahoo group: eu-amsat
Date: 2009-06-21 04:44:55 UTC
From: Bratu Florian Gabriel
Topic: 2578 Message: 2580

> I wonder when one of the smart universities will discover
> the CW ROBOT we used have on RS-10 ... the best propagation tool
> we ever had.
>
> They ought to be able to fit about two thousand of 'em in a cubesat.
>
> 73 John. <la2qaa@...>
>
Hallo John
A good news, it was allready discovered by an alien university from planet Krypton
Watch Jetix chanel the best chanel for smart universities

2581. (no subject)

Yahoo group: eu-amsat
Date: 2009-06-22 18:28:41 UTC
From: John Hackett
Topic: 2581 Message: 2581

Hello Group.

More nitpicking re: the D.Carr log at <http://oscar.dcarr.org/>

AO-7.

ZS6WB reported the satellite in mode-A as N.H. (nothing heard) at 15:31
today - (2206091531Z)

Not really too much of a surprise since according t0 NOVA the satellite was
over the South Atlantic/Antarctic at the time.

IT IS NOT NECESSARY TO MAKE A REPORT IF YOU'RE *NOT* IN THE
CURRENT FOOTPRINT.

If you've made a report in error - please use the *CLEARLY MARKED* method
of correcting the error.

The station concerned reported the correct pass in mode-B at 16:00.
(2206091600Z).

We *All* make mistakes, not least La2qaa !!! ... (to err is human) ... but do
please try to correct he obvious ones.

73 John. <la2qaa@...>

2582. Haming or webing

Yahoo group: eu-amsat
Date: 2009-06-23 19:07:17 UTC
From: st2nh
Topic: 2582 Message: 2582

Hi All
!!
Do you spend more time on the net or on the radio?!

73's
Nader

2583. Re: Haming or webing

Yahoo group: eu-amsat
Date: 2009-06-23 20:00:33 UTC
From: ka117
Topic: 2582 Message: 2583

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi All
> !!
> Do you spend more time on the net or on the radio?!
>
> 73's
> Nader
>

Hello Nader
During net browsing my radio is always on and monitoring the band
But if I'm on radio I don't used the net
So i spend more time on the radio
73s de 7z1sj Suli

2584. Re: [amsat-bb] Re: ISS Field Day configuration?

Yahoo group: eu-amsat
Date: 2009-06-26 19:19:50 UTC
From: Luc Leblanc
Topic: 2584 Message: 2584

On 26 Jun 2009 at 8:54, jeff kb2m wrote:

> Right now the ISS is in 2m split mode? 145.825 up 145.800 down RS0ISS-3
> packet.
>
> 73 Jeff kb2m
>

Over grid FN26 there will be 6 available pass starting 0122 EDT on June 28 most of them will be on the night shift but some real good one
early morning the 28 until the last one 0919 EDT June 28

Just to remind that only ONE (1) satellite contact is required to have the ARRL100 satellite bonus points. Never heard if AMSAT-NA will
also have his satellite field day but it's not helping the ARRL Field Day as multiple QSO'S are allowed.on a very restricted satellite
aging fleet.

Not to mention there is about no rules who stands and it is not a friendly QRP area... The moto is the bigger and longer CQQQQQQQ EEEEER.
It will be interesting to have some negative points for poor operating practice? It's easy to spot and post but not too flattering for the
offending station.

Just to remind some offended virgin ARRL has his check log for numerous years and no one complains. (Those on the check log could be...)

Happy field day it will be a whole week end of rain and heavy thunderstorm here!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2585. SX1DL looking for AO-7 DX

Yahoo group: eu-amsat
Date: 2009-06-28 16:33:24 UTC
From: dh5mk
Topic: 2585 Message: 2585

sent to amsat-bb as well

Hello AO-7 friends,

We make a short activity on 4.+5.07.2009 from a high mountain close to Athens. With that good take of, we try to make some DX via the old lady.
We will have some passes which covers the north-east of the USA and Canada, as well we have some good opportunities for VU, ZS and 5R. A real difficult area is Brasil. We have a extreme short window to Natal, HI24-square. Is there anyone out, who is able to work AO-7?? PY´s, please look for someone and give us a short info!!

In most of the directions we have the horizon at -1deg !! So stay tuned at 145.950MHz -+Doppler and QRM.

For further infos ask me: sx1dl@...

73 from the SX1DL-crew

Mike, DH5MK

Here are some calculations about the opportunities

USA ☐ Canada i.e. Hartford (FN31QR)

Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit

04.06.2009 19:27:40 313 2 52 0 -168,7 1463 339 54 58115
04.06.2009 19:29:00 319 0 45 1 -165,8 1465 337 58 58115

VU ☐ MK82SW (Bangalore) :

Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit

04.06.2009 15:25:00 123 1 278 14 -197,5 1450 53 15 58113
04.06.2009 15:31:30 92 22 314 0 -183,1 1456 47 35 58113

05.06.2009 14:28:30 93 1 324 20 -186,3 1454 64 29 58125
05.06.2009 14:33:30 66 10 335 1 -175,2 1460 58 44 58125

5R LH31RC (central Madagaskar):

Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit

04.06.2009 17:16:00 172 1 317 7 -206,2 1449 28 3 58114
04.06.2009 17:18:00 174 7 321 1 -201,7 1449 26 9 58114

05.06.2009 05:39:00 177 7 319 0 -86,3 1456 25 9 58120
05.06.2009 05:41:00 180 1 310 3 -81,9 1456 23 3 58120

```
05.06.2009 16:16:30 146 1 348 10 -201,6 1449 42 8 58126
05.06.2009 16:19:00 143 10 347 1 -196,0 1451 40 15 58126

ZS KG33XO (near Johannesburg):
---------------------------------------------------------------------
Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit
---------------------------------------------------------------------
04.06.2009 17:16:00 172 1 360 7 -206,2 1449 28 3 58114
04.06.2009 17:18:00 174 7 357 0 -201,7 1449 26 9 58114

05.06.2009 05:39:00 177 7 354 0 -86,3 1456 25 9 58120
05.06.2009 05:41:00 180 1 350 6 -81,9 1456 23 3 58120

05.06.2009 18:10:00 195 0 334 3 -204,7 1449 14 3 58127
05.06.2009 18:11:00 198 3 335 0 -202,4 1449 14 6 58127
```

2586. SX1DL looking for AO-7 DX

Yahoo group: eu-amsat
Date: 2009-06-28 14:00:36 UTC
From: dh5mk
Topic: 2585 Message: 2586

message posted to amsat-bb and some DX-stations as well

Hello AO-7 friends,

We make a short activity on 4.+5.07.2009 from a high mountain close to Athens. With that good take of, we try to make some DX via the old lady.
We will have some passes which covers the north-east of the USA and Canada, as well we have some good opportunities for VU, ZS and 5R. A real difficult area is Brasil. We have a extreme short window to Natal, HI24-square. Is there anyone out, who is able to work AO-7?? PY´s, please look for someone and give us a short info!!

In most of the directions we have the horizon at -1deg !! So stay tuned at 145.950MHz -+Doppler and QRM.

For further infos ask me: sx1dl@...

73 from the SX1DL-crew

Mike, DH5MK

Here are some calculations about the opportunities

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05.06.2009 14:28:30 93 1 324 20 -186,3 1454 64 29 58125
05.06.2009 14:33:30 66 10 335 1 -175,2 1460 58 44 58125

5R LH31RC (central Madagaskar):

Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit

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04.06.2009 17:18:00 174 7 321 1 -201,7 1449 26 9 58114

05.06.2009 05:39:00 177 7 319 0 -86,3 1456 25 9 58120
05.06.2009 05:41:00 180 1 310 3 -81,9 1456 23 3 58120

05.06.2009 16:16:30 146 1 348 10 -201,6 1449 42 8 58126
05.06.2009 16:19:00 143 10 347 1 -196,0 1451 40 15 58126

ZS KG33XO (near Johannesburg):

Day Time(U) Az1 El1 Az2 El2 MA Hight L SSP B Orbit

04.06.2009 17:16:00 172 1 360 7 -206,2 1449 28 3 58114
04.06.2009 17:18:00 174 7 357 0 -201,7 1449 26 9 58114

05.06.2009 05:39:00 177 7 354 0 -86,3 1456 25 9 58120
05.06.2009 05:41:00 180 1 350 6 -81,9 1456 23 3 58120

05.06.2009 18:10:00 195 0 334 3 -204,7 1449 14 3 58127
05.06.2009 18:11:00 198 3 335 0 -202,4 1449 14 6 58127

2587. Re: Haming or webing

Yahoo group: eu-amsat
Date: 2009-06-29 20:23:21 UTC
From: st2nh
Topic: 2582 Message: 2587

Hello Suli

I have just moved to a new QTH & all my setup is down)-:
Nothing here works except the laptop!!!!
It is really so pouring to stay away from the radio facing just the webpages!!! Hope to fix my dipole & sat antenna ASAP .I really miss the sat QRM . :-)

73

--- In eu-amsat@yahoogroups.com, "ka117" <s7z1sj@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> > Hi All
> > !!
> > Do you spend more time on the net or on the radio?!
> >
> > 73's
> > Nader
> >
>
> Hello Nader
> During net browsing my radio is always on and monitoring the band
> But if I'm on radio I don't used the net
> So i spend more time on the radio
> 73s de 7z1sj Suli
>

2588. Re: [eu-amsat] Re: Haming or webing

Yahoo group: eu-amsat
Date: 2009-06-30 11:24:39 UTC
From: Simon (HB9DRV)
Topic: 2582 Message: 2588

Looking forward to hearing you - I put my satellite antennas back up yesterday.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "st2nh" <st2nh@...>
>
> It is really so pouring to stay away from the radio facing just the
> webpages!!! Hope to fix my dipole & sat antenna ASAP .I really miss the
> sat QRM . :-)
>

2589. Sea Launch.

Yahoo group: eu-amsat
Date: 2009-07-01 09:08:08 UTC
From: John Hackett
Topic: 2589 Message: 2589

Hello folks,
Bad news re: the Sea Launch bankrupcy.

Looks like we'll have to start collecting knicker elastic again.

73 John. <la2qaa@...>

2590. Re: [amsat-bb] Re: NASA Kills Ulysses

Yahoo group: eu-amsat
Date: 2009-07-01 19:03:58 UTC
From: Luc Leblanc
Topic: 2590 Message: 2590

Hello planners!

Some launch test are planned for Aries I rocket is it possible that some free dummy payload space will be available?

http://powerfromspace.blogspot.com/2008/05/aries-rocket-motor-test-video-clips.html

Full screen on You tube

http://www.youtube.com/watch?v=jY2CcZk_aNQ&eurl=http%3A%2F%2Fpowerfromspace.blogspot.com%2F2008%2F05%2Faries-rocket-motor-test-video-clips.html&feature=player_embedded

Pop up you volume...

On 1 Jul 2009 at 12:43, David - KG4ZLB wrote:

> I know it would be expensive but on the "if you spread your net wide
> enough" view of thinking, could we not approach commercial satellite
> projects prior to launch and bung a transponder on them only to be used
> when the primary mission fails? OK, so you might win some, might lose
> some and I know it would be expensive but it seems better than the
> situation we have now, plus we could be potentially building in some
> long term birds that would replace the current ageing fleet. It would be
> a long term view, but it would be something!
>
> Presumably this has been brought up before but no harm in re-hashing it
> for any new ideas especially with the BoD voting soon to happen! :-D
>
> 73
>
> David
>
> -
> David
> KG4ZLB
> www.kg4zlb.com
>
>
>
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2591. Re: [amsat-bb] Rebuttal - Re: Unused sats

Yahoo group: eu-amsat
Date: 2009-07-01 23:43:45 UTC
From: Luc Leblanc
Topic: 2591 Message: 2591

> ----- Original Message -----
> From: "David - KG4ZLB" <kg4zlb@...>
> To: <amsat-bb@...>
> Sent: Wednesday, July 01, 2009 4:09 PM
> Subject: [amsat-bb] Re: Unused sats
>
>
> > All good points but forget the HEO's for now

That's exactly the worse choice IMHO and it is exactly what our German friend choose to don't do. They remain focused on their target P3E
its the way to go but if AMSAT-NA want to go on the cubes side? It will at least not duplicate the resources. I am still in favour on an
international HEO joint venture it's the only logical way to go...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2592. Chinease sat any news?

Yahoo group: eu-amsat
Date: 2009-07-02 06:36:22 UTC
From: Luc Leblanc
Topic: 2592 Message: 2592

From my archives did any one get fresh news about this Chinease sat?

SB SAT @ AMSAT $ANS-279.02 October 4 2008
First Chinese Amateur Radio Satellite to be launched in June 2009

AMSAT News Service Bulletin 279.02
From AMSAT HQ SILVER SPRING, MD.
October 5, 2008
To All RADIO AMATEURS
BID: $ANS-279.02

Michael Chen, BD5RV/4, reports that he recently received an update from Alan, BA1DU, on the progress of the first Chinese amateur satellite. Things are now going smoothly. This satellite was formerly named CAS-1 and is now XW-1. It carries a beacon and three cross band transponders: FM, linear, and digital.

The satellite is planned to be launched into a Sun synchronous orbit in June 2009 by a CZ-2C rocket in Taiyuan Satellite Launch Center in North China.

[ANS thanks Michael, BD5RV/4, for the above information]

/EX

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2593. ARISS and SSTV/ Richard Garriott QSL card

Yahoo group: eu-amsat
Date: 2009-07-02 07:56:20 UTC
From: Luc Leblanc
Topic: 2593 Message: 2593

A partial answer on the ARISS-SSTV frequently ask questions:

How do I QSL or SWL? Details are being finalized for the handling of QSL/SWL cards. Please check back again soon for more information.

http://www.amsat.org/amsat/ariss/SSTV/faq.php

And some more fresh news about ARISS on:

http://www.marexmg.org/fileshtml/ArissRebuild.html

On 1 Jul 2009 at 19:26, Greg D. wrote:

>
> Ok, so this doesn't sound like the regular ARISS QSL service...
> Where did you send your card (for those who weren't at Dayton)? Is he still accepting them?
>
> Greg KO6TH
>
>
> > From: dave.w8aas@...
> > To: amsat-bb@...
> > Date: Wed, 1 Jul 2009 08:35:39 -0400
> > Subject: [amsat-bb] Re: QSL card?
> >
> > Richard has the cards made up, and was handing them out at Dayton
> > Hamvention to those who were there. (He also had his log from ISS so
> > people could see their call in it.) I don't know what his schedule is
> > for a general mailing.
> >
> > -- Dave, W8AAS
> >
> >
> > On Jun 30, 2009, at 10:29 PM, Scott Smith wrote:
> >
> > > Hi, has anyone received there QSL card from Richard Garriott? when
> > > he was aboard the ISS?.
> > > 73 de VE6ITV Scott

"_"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2594. Re: [eu-amsat] Chinease sat any news?

Yahoo group: eu-amsat
Date: 2009-07-02 08:53:44 UTC
From: Thomas Frey
Topic: 2592 Message: 2594

Luc Leblanc schrieb:
> >From my archives did any one get fresh news about this Chinease sat?
>

Michael Chen informed us on the -BB that the launch will be in December
2009.

If you want to be up-to-date, look at
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102#geplant

> SB SAT @ AMSAT $ANS-279.02 October 4 2008
> First Chinese Amateur Radio Satellite to be launched in June 2009
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2595. Chinese Hamsat.. XW-1 Awaiting a launch.

Yahoo group: eu-amsat
Date: 2009-07-02 11:59:28 UTC
From: Allan Copland
Topic: 2595 Message: 2595

The satellite is planned to be launched in June 2009 by a CZ-2C rocket in Taiyuan Satellite Launch Center in North China.

Here are some details about upcoming Chinese XW-1:

Orbit: Sun Synchronous Orbit
Altitude: 499km
Inclination: 98 degrees
Period: 94 minutes

Weight: 35kg
Size: 550mm * 350mm
Temperature: -20 to +45C
Power: Li ion battery: 16Ah
Long-term maximum power: 8W
Short-term maximum power: 18W

Payload:
Amateur radio payload: 5.2kg
Youngster's experiment payload: 1.6kg
CMOS camera: 0.2kg

About amateur radio payload:
Beacon: 435Mhz, CW 20dBm
Linear transponder: RX: 145Mhz, TX: 435Mhz, 40KHz, 30dBm
FM Transponder: RX: 145Mhz, TX: 435Mhz, 16KHz, 30dBm
Digital store and forward transponder: RX: 145Mhz, TX: 435Mhz, 16KHz, 30dBm

145Mhz RX Antenna: 2dBi, 135 degree, LHCP, unpacked by remote control after entering the orbit.
435Mhz TX antenna: 2dBi, 135 degree, RHCP, unpacked by remote control after entering the orbit.

Michael, BD5RV/4

2596. Chopstick Sat.

Yahoo group: eu-amsat
Date: 2009-07-02 13:12:50 UTC
From: John Hackett
Topic: 2595 Message: 2596

June 2009 ??

Better tell 'em to up the tempo on Chopsticksat Al,

It's July the second "as we speak".

73 John.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Thu, 2 Jul 2009 11:59:28 +0000
Subject: [eu-amsat] Chinese Hamsat.. XW-1 Awaiting a launch.

The satellite is planned to be launched in June 2009 by a CZ-2C rocket in Taiyuan Satellite Launch Center in North China.

Here are some details about upcoming Chinese XW-1:

Orbit: Sun Synchronous Orbit

Altitude: 499km

Inclination: 98 degrees

Period: 94 minutes

Weight: 35kg

Size: 550mm * 350mm

Temperature: -20 to +45C

Power: Li ion battery: 16Ah

Long-term maximum power: 8W

Short-term maximum power: 18W

Payload:

Amateur radio payload: 5.2kg

Youngster's experiment payload: 1.6kg

CMOS camera: 0.2kg

About amateur radio payload:

Beacon: 435Mhz, CW 20dBm

Linear transponder: RX: 145Mhz, TX: 435Mhz, 40KHz, 30dBm

FM Transponder: RX: 145Mhz, TX: 435Mhz, 16KHz, 30dBm

Digital store and forward transponder: RX: 145Mhz, TX: 435Mhz, 16KHz, 30dBm

145Mhz RX Antenna: 2dBi, 135 degree, LHCP, unpacked by remote control after entering the orbit.

435Mhz TX antenna: 2dBi, 135 degree, RHCP, unpacked by remote control after entering the orbit.

Michael, BD5RV/4

2597. RE: [eu-amsat] Chopstick Sat.

Yahoo group: eu-amsat
Date: 2009-07-02 13:27:54 UTC
From: Al copland
Topic: 2595 Message: 2597

Hi John, and the Group.

I had indeed noticed that the June 'deadline' had come and gone. Still, it may be an interesting addition to the satellites in orbit.
I await with bated chopsticks.

Al.
Gm1SXX

To: eu-amsat@yahoogroups.com
From: archie.hackett@...
Date: Thu, 2 Jul 2009 15:12:50 +0200
Subject: [eu-amsat] Chopstick Sat.

June 2009 ??

Better tell 'em to up the tempo on Chopsticksat Al,

It's July the second "as we speak".

73 John.

_____
Share your photos with Windows Live Photos - Free.
http://clk.atdmt.com/UKM/go/134665338/direct/01/

2598. RE: [eu-amsat] Chopstick Sat.

Yahoo group: eu-amsat
Date: 2009-07-02 13:34:43 UTC
From: John Hackett
Topic: 2595 Message: 2598

Ho,
No wishhee washee.

73 John.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Thu, 2 Jul 2009 13:27:54 +0000
Subject: RE: [eu-amsat] Chopstick Sat.

Hi John, and the Group.

I had indeed noticed that the June 'deadline' had come and gone. Still, it may be an interesting addition to the satellites in orbit.
I await with bated chopsticks.

Al.
Gm1SXX

To: eu-amsat@yahoogroups.com
From: archie.hackett@...
Date: Thu, 2 Jul 2009 15:12:50 +0200
Subject: [eu-amsat] Chopstick Sat.

June 2009 ??

Better tell 'em to up the tempo on Chopsticksat Al,

It's July the second "as we speak".

73 John.

View your Twitter and Flickr updates from one place - Learn more!

2599. Re: [eu-amsat] Chopstick Sat.

Yahoo group: eu-amsat
Date: 2009-07-02 15:43:24 UTC
From: Thomas Frey
Topic: 2595 Message: 2599

Hello All

In a mail today I wrote the launch will be in December 2009. But I couldn't find my info source. I thought Michael Chen informed about a launch date in December. The latest info is 17 August 2009, see http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=116

John Hackett schrieb:
>
>
> Ho,
> No wishhee washee.
>
> 73 John.
>
> ---
>
>
>

Definitively not ;-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2600. Re: [amsat-bb] Re: Software Commodore 64

Yahoo group: eu-amsat
Date: 2009-07-03 01:37:04 UTC
From: Luc Leblanc
Topic: 2600 Message: 2600

Hi Jean-francois

Welcome to the AMSAT-NA "moderated" BB Just not get the time to phone you but i will try over the week end.

>
> Hey, I'm not crazy... Hi !!
>
Don't say that here we see a lot of strange things those days!

>kd8bxp@... wrote:
>
>
>>I don't think man will ever walk on the moon. And I really didn't want to start a whole thing on this -

>
> From an old fashion guy of the '80

You failed short here as we have some from the 40's on this BB but at times they looks like guy's from the 90's. By the way i send a test
to see if you are a real HAM see my next one.

>
> --
> Jean-François Ménard
> VA2SS
>

Forget the C-64 even if i still have their video monitor 1702 (one of the best one) there is a lot available for free that's one of the
things i want to tell you.

For the record there is about 6 VE2 stations heard since 2001 on the amateur satellites and there is room for a lot more even on the very
narrow bandwidth available in chunks on the amateur satellite fleet.

Hope to talk you in space soon.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2601. OPSEK

Yahoo group: eu-amsat
Date: 2009-07-04 18:25:54 UTC
From: John Hackett
Topic: 2601 Message: 2601

Hello Al,
You probably know about the OPSEK project which now seems
to be back on track thanks to a bettering economy and the Russian interest in
doing things their own way (a good thing, in my opinion) after the end of the
ISS sometime in the 2015 - 2020 timeframe.

If you're familiar with the details, hop over them and proceed to my comments
further down the page.
.....
.....
The OPSEK project

By
2008, the Russian successor to the International Space Station, ISS,
was identified as Orbitalniy Pilotiruemyi Eksperimentalniy Kompleks,
OPSEK, or Orbital Manned Assembly and Experiment Complex in English.*
Unlike previous designs of Mir, Mir-2 and the ISS,
the heart of the station would be a four-ton ball-shaped node module.
Equipped with six docking ports, this relatively small and simple
element would be the only permanent element of the station. All other
modules would come and go as their lifespan and mission requires.

The initial architecture of the OPSEK complex could be built out of modules originally
planned for the Russian segment
of the ISS. The exact scenario of the OPSEK assembly would depend on
the end of the ISS and the readiness of the latest Russian modules.
According to a 2008 scenario, the MLM multipurpose module, the node module and a pair of
NEM power platforms could be first launched to the ISS in 2011, 2013 and 2014-2015,
respectively. With the deorbiting of the ISS looming around 2020, these
modules could separate from the old outpost to form the core of the new
Russian station. Another, more controversial scenario considered the
separation of the practically entire Russian segment, including the MIM-2 docking
compartment and the Zvezda service module,
prior to the ISS deorbiting. In this case, the 20-year-old service
module would temporarily take a responsibility for the flight control
of the OPSEK, until its replacement with a 40-ton versatile core
module, UMB, launched by a next-generation rocket from yet-to-be built launch site in
Vostochny during 2020s.

The
separation of the Russian segment from the ISS would leave the rest of
the outpost without effective orbital maneuvering capabilities, leaving
the European ATV spacecraft
as a likely candidate to perform the tasks of attitude control and
deorbiting. To achieve this the ATV would have to be modified to enable
its docking with the US segment of the ISS.

Depending
on the operational orbit selected for the OPSEK, it might be necessary
to change the orbital inclination of the modules departing the ISS and
forming the new station. The lowest inclination accessible from
Vostochny is 51.7 degrees, while the ISS is orbiting the Earth with the
inclination 51.6 degrees toward the Equator. It is estimated that one
or two Progress cargo ships would be necessary to push the modules from one inclination to
another.

From
official statements during 2008 and 2009, it is clear that the one of
the chief objectives of the OPSEK complex would be the support for
expedition to Mars. All major elements of the Martian expeditionary
complex, such as main habitation module, Mars lander and
nuclear-powered space tug would dock to the station before its
departure from the low-Earth orbit toward Mars. The Martian expedition
would at the OPSEK as well.
.....
.....
I believe the Russian (and the rest of us !!!) would be well served by a dedicated RUSSIAN
equivalent to the current SAREX program onboard the ISS.
Note the planned orbit. This is of course extreemly advantagous to the cosomauts manning
the station - giving an increase of 70% 'visibility' over Russia. It would be the perfect
stamping ground for an RS10/11 RS12/13 clone built in a Strela frame bolted underneath the
main dome and flown as 'ballast'.
Would you be interested in persuing this proposal if I could get Alex interested enough to
lance the idea through Amsat-RU ??.

It surely! makes more sense than what certain people are proposing with a transponder on
the moon.
Comments, praise and monies to LA2QAA. Criticism and floggings to GM1SXX.

73 John. <la2qaa@...>

2602. Re: [amsat-bb] Re: More Future Thoughts

Yahoo group: eu-amsat
Date: 2009-07-05 01:29:22 UTC
From: Luc Leblanc
Topic: 2602 Message: 2602

>Yes, propulsion hasn't been AMSAT's strong point, but for
> most of the last 20 years, I only recall LEOs being put up (AO-40
> being the only exception I can recall in that timeframe).
>

There is a KIWI sat project in Aussie land but what can i answer to someone who asked me what is the AMSAT-NA purpose actually?

With no satellite project in construction and without any sound future project could be they will be more useful in maintaining an "updated
web site" and they can be a new fundraiser for an international AMSAT group? At least for P3E!

I'm always astonishing to see that no one is reacting when a boat is sinking,! But is it really so astonishing...

It is not a question of a moonshine experience but it is a consequence on a VOID and humans does not like "VOIDS"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2603. An alternative ... or ... competition !!!.

Yahoo group: eu-amsat
Date: 2009-07-05 10:46:08 UTC
From: John Hackett
Topic: 2603 Message: 2603

Ladies and Gentlemen,
For those that don't know it, The chief of RosKosmos, the Russian Space Agency *confirmed* last week the Russian intention to pull the plug on the ISS in the 2015 - 2020 timeframe and to construct another dedicated Russian
space station.

According to Anatoly Zak RosKosmos informed NASA of these plans 14 days ago.

The new Russian station is *NOT* intended to be a laboratory like the ISS but more of an in-orbit contruction platform for future Mars-like and outer space missions.

The station will comprise a maintainable 'ball' section with several docking ports with attachable modules.

I propose that amateur radio satellite operators get together and form a group to suggest/try to influence/impliment an ARISS type of project for this space station.

A Strela type frame could be attached to the underside of the 'ball' and since the station is planned for a Molinya type orbit the coverage would be suitable for DX.

The planned orbit would put the station predominently over Russia - as opposed to the current ISS equatorial orbit.

Personally, I would suggest an RS-10/11 RS-12/13 clone with a ROBOT ...
(read: propagation tester) - as these satellites were without the shadow of a doubt the best for recruiting newcomers.

It would, in my opinion, be a viable concept and an alternative to some of the latest 'ideas' of a transponder on the moon ... which wouldn't 'catch' many potential newcomers but would (*IN MY OPINION*) only serve a few dedicated 'experts' ... leading to the demise of amateur satellite communications in general.

Comments, monies and praise to LA2QAA.

Criticisms, horsewhipping and flaming to GM1SXX.

73 John. <la2qaa@amsat.org>

Interested parties may read the following ...

.....
.....
The OPSEK project

By
2008, the Russian successor to the International Space Station, ISS,
was identified as Orbitalniy Pilotiruemyi Eksperimentalniy Kompleks,

OPSEK, or Orbital Manned Assembly and Experiment Complex in English.*
Unlike previous designs of Mir, Mir-2 and the ISS,
the heart of the station would be a four-ton ball-shaped node module.
Equipped with six docking ports, this relatively small and simple
element would be the only permanent element of the station. All other
modules would come and go as their lifespan and mission requires.

The initial architecture of the OPSEK complex could be built out of modules originally planned for the Russian segment
of the ISS. The exact scenario of the OPSEK assembly would depend on
the end of the ISS and the readiness of the latest Russian modules.
According to a 2008 scenario, the MLM multipurpose module, the node module and a pair of NEM power platforms could be first launched to the ISS in 2011, 2013 and 2014-2015, respectively. With the deorbiting of the ISS looming around 2020, these
modules could separate from the old outpost to form the core of the new
Russian station. Another, more controversial scenario considered the
separation of the practically entire Russian segment, including the MIM-2 docking compartment and the Zvezda service module,
prior to the ISS deorbiting. In this case, the 20-year-old service
module would temporarily take a responsibility for the flight control
of the OPSEK, until its replacement with a 40-ton versatile core
module, UMB, launched by a next-generation rocket from yet-to-be built launch site in Vostochny during 2020s.

The
separation of the Russian segment from the ISS would leave the rest of
the outpost without effective orbital maneuvering capabilities, leaving
the European ATV spacecraft
as a likely candidate to perform the tasks of attitude control and
deorbiting. To achieve this the ATV would have to be modified to enable
its docking with the US segment of the ISS.

Depending
on the operational orbit selected for the OPSEK, it might be necessary
to change the orbital inclination of the modules departing the ISS and
forming the new station. The lowest inclination accessible from
Vostochny is 51.7 degrees, while the ISS is orbiting the Earth with the
inclination 51.6 degrees toward the Equator. It is estimated that one
or two Progress cargo ships would be necessary to push the modules from one inclination to another.

From
official statements during 2008 and 2009, it is clear that the one of
the chief objectives of the OPSEK complex would be the support for
expedition to Mars. All major elements of the Martian expeditionary
complex, such as main habitation module, Mars lander and
nuclear-powered space tug would dock to the station before its
departure from the low-Earth orbit toward Mars. The Martian expedition
would at the OPSEK as well.

The station would also play a similar role in lunar exploration. Reusable space tugs could link OPSEK with the Lunar Orbital Station, LOS, in orbit around the Moon, thus creating a transport chain for a permanent lunar base. Such tasks as servicing of modular satellites by orbital tugs based at the OPSEK complex were also cited.

In broader terms, TsNIIMash research institute, a chief strategist of the Russian space agency, formulated the OPSEK concept as a foundation of the nation's space strategy. By 2009, the new station was seen as a cornerstone of a new space exploration plan, which extended four decades into the 21st century. An ambitious program apparently included manned missions to the Moon, Mars and beyond. (344)

Cooperation with Europe and the US

In 2008, Russian plans for maintaining presence in the low-Earth orbit in general and the creation of a successor to the ISS in particular had been met enthusiastically in Europe. As ESA had little hope to match the US effort to return to the Moon at the beginning of the 21st century, preserving a destination in the low-Earth orbit seemed critical for the political support of the manned space flight on the continent.

In June 2009, Simonetta Di Pippo, ESA director of human space flight told the editor of RussianSpaceWeb.com that she shared the Russian vision of the future space station as a platform for deep space missions. "I have continuous consultations with officials in Russia. We meet every month, month and a half, and now we are going to start jointly, the study how to proceed beyond 2025, Di Pippo said, ..."and we have a common idea that we would like to preserve presence in the lower orbit. We are studying different scenarios, whether we need permanent presence or, maybe, a human-tended capability, and we can end up with a totally different solution in the end, but I don’t believe we can leave Earth orbit."

Di Pippo also said that although current NASA plans for return to the Moon reserved no essential role for the station, it could change in the future. "Even on the NASA side, they have too many different developments (associated with the Earth orbit), including commercial involvement, which they can not immediately give up," Di Pippo said.

By the end of 2010, all partners in the ISS project were expecting to agree on the extension of the ISS lifespan from 2015 to 2020 or even 2025. Once end of life for the ISS was decided an active planning for post-ISS manned space flight could begin in Russia, Europe and possibly the US.

2604. Re: An alternative ... or ... competition !!!.

Yahoo group: eu-amsat
Date: 2009-07-05 11:13:32 UTC
From: Allan Copland
Topic: 2603 Message: 2604

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Ladies and Gentlemen,
> For those that don't know it, The chief of RosKosmos, the Russian Space Agency *confirmed* last week the Russian intention to pull the plug on the ISS in the 2015 - 2020 timeframe and to construct another dedicated Russian
> space station.
>

While a manned space station in a 70 degree orbit would undoubtedly make a far more useful platform to carry an amateur transponder package than the current ISS, the downside would be the low orbital altitude and resulting small footprint, but having said that, it would be a *far* more practical scenario that all the talk that's going on at the AMSAT-BB at the moment about placing a transponder on the moon. It is at least a scenario that could feasibly take place, rather than one that is just a pipe-dream.

The current ISS was built around MIR-2 hardware and as such, has a finite life. It's life may be extended as far as 2025 but by then it will probably be in the sort of sorry state that MIR was in, in it's final year. The low-inclination orbit is also another thing against ISS.

The advantages of the new Russian proposal as best I can tell are.
1) 70 degree inclination orbit... far more useful than ISS.
and
2) The station would be arranged around a central docking unit with has a passive role. This means that modules could be replaced as they wear out, something thats just not an option on the ISS.

The main disadvantage of placing a transponder on such a craft is the small footprint, but having said that, it would still be a useful thing to have. Of course you'd want such a package to be mounted on the central docking 'ball' rather than on any of the modules... wouldn't you?

73 Al.
GM1SXX

2605. QUIETING

Yahoo group: eu-amsat
Date: 2009-07-05 12:15:18 UTC
From: st2nh
Topic: 2605 Message: 2605

Hi all

What the reason of QUIETING in FM bird?
Dose the sat TX keeping pump signal ?(wasting power!!).

tnx
Nader , st2nh

2606. FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 12:40:28 UTC
From: John Hackett
Topic: 2606 Message: 2606

Nader,
An explanation from the Internet.

Quieting.

One of the advantages of FM is its resilience to noise. This is one of the main reasons why it is used for high quality audio broadcasts. However when no signal is present, a high noise level is present at the output of the receiver. If a low level FM signal is introduced and its level slowly increased it will be found that the noise level reduces. From this the quieting level can be deduced. It is the reduction in noise level expressed in decibels when a signal of a given strength is introduced to the input of the set. Typically a broadcast tuner should give a quieting level of 30 dB for an input level of around a microvolt.

Hope that explains it.

73 John. <la2qaa@...>

2607. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 13:22:44 UTC
From: st2nh
Topic: 2606 Message: 2607

Hi John
Tnx for explanation
Yes I can understand it is ok for HI FI brodcast audio!
But why this Quieting use on sat ?
for sure not for crystal clear audio !
Still I'm thinking about it as waste of power!!!
I need more explanation for Quieting on FM sat.

tnx in advince

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
wrote:
>
>
> Nader,
> An explanation from the Internet.
>
> Quieting.
>
> One of the advantages of FM is its resilience to noise. This is one of
> the main reasons why it is used for high quality audio broadcasts.
> However when no signal is present, a high noise level is present at the
> output of the receiver. If a low level FM signal is introduced and its
> level slowly increased it will be found that the noise level reduces.
> From this the quieting level can be deduced. It is the reduction in
> noise level expressed in decibels when a signal of a given strength is
> introduced to the input of the set. Typically a broadcast tuner should
> give a quieting level of 30 dB for an input level of around a microvolt.
>
> Hope that explains it.
>
> 73 John. <la2qaa@...>
>

2608. RE: [eu-amsat] Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 13:36:11 UTC
From: John Hackett
Topic: 2606 Message: 2608

Hi Nader,
Yes, I see where you're heading.

I agree. A waste of power. This also explains my opposition to FM on an amateur satellite with the major disadvantage of 'capture effect' or one-at-a-time only contacts - where, when two signals compete, only the stronger signal makes it through the transponder.

This is fine for one way telemetry or commercial satellites but it's not very sensible for situations where many users compete for the the passband.
A LINEAR transponder that rebroadcasts a complete portion of the passband is much more useful to radio amateurs.

I'm a 'CW' man Nader so FM is not my forte but hopefully, someone else will be able to be enlighten us a little better than I can.

73 John. <la2qaa@...g>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sun, 5 Jul 2009 13:22:44 +0000
Subject: [eu-amsat] Re: FM reception.

Hi John

Tnx for explanation

Yes I can understand it is ok for HI FI brodcast audio!

But why this Quieting use on sat ?

for sure not for crystal clear audio !

Still I'm thinking about it as waste of power!!!

I need more explanation for Quieting on FM sat.

tnx in advince

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>

wrote:

>

>

> Nader,

> An explanation from the Internet.

>

> Quieting.

>

> One of the advantages of FM is its resilience to noise. This is one of

> the main reasons why it is used for high quality audio broadcasts.

> However when no signal is present, a high noise level is present at the

> output of the receiver. If a low level FM signal is introduced and its

> level slowly increased it will be found that the noise level reduces.

> From this the quieting level can be deduced. It is the reduction in

> noise level expressed in decibels when a signal of a given strength is

> introduced to the input of the set. Typically a broadcast tuner should

> give a quieting level of 30 dB for an input level of around a microvolt.

>

> Hope that explains it.

>

> 73 John. <la2qaa@...>

>

2609. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 14:50:02 UTC
From: st2nh
Topic: 2606 Message: 2609

John
You are 100% rigth about opposition to FM.
And yes it is waste of money plus waste of power.

Good for digital and Newbies.
Bad for OM (Oscar 13 users)
Ugly at midnigth pass QRM :-)

Was it so difficult to but a liner transponder inside Echo51 ?

Waiting for explation for the Quieting on FM sat.

Nader , st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi Nader,
> Yes, I see where you're heading.
>
> I agree. A waste of power. This also explains my opposition to FM on an
> amateur satellite with the major disadvantage of 'capture effect' or
> one-at-a-time only contacts - where, when two signals compete, only
> the stronger signal makes it through the transponder.
>
> This is fine for one way telemetry or commercial satellites but it's not very
> sensible for situations where many users compete for the the passband.
> A LINEAR transponder that rebroadcasts a complete portion of the passband
> is much more useful to radio amateurs.
>
> I'm a 'CW' man Nader so FM is not my forte but hopefully, someone else will
> be able to be enlighten us a little better than I can.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Sun, 5 Jul 2009 13:22:44 +0000
> Subject: [eu-amsat] Re: FM reception.
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> Hi John
>
> Tnx for explanation
>
> Yes I can understand it is ok for HI FI brodcast audio!
>
> But why this Quieting use on sat ?
>
> for sure not for crystal clear audio !
>
> Still I'm thinking about it as waste of power!!!
>
> I need more explanation for Quieting on FM sat.
>
>
>
> tnx in advince
>
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>
> Nader , st2nh
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>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@>
>
> wrote:
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> >

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>
> > Nader,
>
> > An explanation from the Internet.
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>
> > Quieting.
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>
> > One of the advantages of FM is its resilience to noise. This is one of
>
> > the main reasons why it is used for high quality audio broadcasts.
>
> > However when no signal is present, a high noise level is present at the
>
> > output of the receiver. If a low level FM signal is introduced and its
>
> > level slowly increased it will be found that the noise level reduces.
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> > From this the quieting level can be deduced. It is the reduction in
>
> > noise level expressed in decibels when a signal of a given strength is
>
> > introduced to the input of the set. Typically a broadcast tuner should
>
> > give a quieting level of 30 dB for an input level of around a microvolt.
>
> >
>
> > Hope that explains it.
>
> >
>
> > 73 John. <la2qaa@>
>
> >
>

2610. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 14:55:52 UTC
From: Allan Copland
Topic: 2606 Message: 2610

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi Nader,
> Yes, I see where you're heading.
>
> I agree. A waste of power. This also explains my opposition to FM on an
> amateur satellite with the major disadvantage of 'capture effect' or
> one-at-a-time only contacts - where, when two signals compete, only
> the stronger signal makes it through the transponder.
>

Could I expand on this theme a little by comparing FM birds to Linear ones.

With FM, as John points out, the strongest signal will 'capture' the transponder. This is probably a major cause of the bad manners so often heard on FM birds, at least in Europe. An FM transponder can only support a single QSO, so short rubber-stamp type QSO's are the norm, and when the bird is busy, the strongest signals prevail. There obviously is then a temptation to increase the power in order to 'compete'... and yes, if you can do that, you probably will 'win' the transponder... and annoy everyone else.

Linear birds are completely different. Apart from the huge advantage that they can support concurrent multi-mode QSO's, the transponder's available downlink power is shared between the signals present in the downlink passband. This is a very effective use of the available downlink power.

The downside of this is that the transponder utilises AGC, so that if one signal is excessively strong, ALL of the signals are then attenuated equally by the AGC system. In effect, if all the users reduce power to the point where the AGC is not activated, they ALL get a bigger slice of the pie.

This is in sharp contract to the way that FM birds operate.

73 Al.
GM1SXX

2611. Molinya

Yahoo group: eu-amsat
Date: 2009-07-05 15:47:39 UTC
From: John Hackett
Topic: 2611 Message: 2611

David,
My use of the word Molniya was ambiguous.

I should !!! have emphisised *LEO* elliptical. Let me explain ...

The word Molinya in Russian means (literally) 'lightning' but in a space
context it is accepted to mean ELLIPTICAL ... as per their TV satellite
orbits which are in English dialogue would be classified as *HIGHLY* elliptical.

The planned space station is envisaged in a 70 degree LEO orbit.

I apologise for my misleading remarks.

73 John. <la2qaa@...>

From: G0MRF@...
Date: Sun, 5 Jul 2009 11:32:56 -0400
Subject: Re: [amsat-bb] An alternative ... or ... competition !!!.
To: la2qaa@...

In a message dated 05/07/2009 15:17:02 GMT Standard Time,
archie.hackett@... writes:

The
new Russian station is *NOT* intended to be a laboratory like the ISS but

more of an in-orbit contruction platform for future Mars-like and outer
space
missions.

The station will comprise a maintainable 'ball'
section with several docking ports
with attachable modules.

I
propose that amateur radio satellite operators get together and form a group
to suggest/try to influence/impliment an ARISS type of project for this space
station.

A Strela type frame could be attached to the underside of the
'ball' and since the station is planned for a Molinya type orbit the coverage
would be suitable for DX.

Hi John.

Just wondering.... Is a Molinya orbit highly elliptical
?? If so, then it cant really go above 1000km high or the crew will
get zapped by the protons in the lower van Allen belt.

Thanks

David

2612. Re: [amsat-bb] An alternative ... or ... competition !!!.

Yahoo group: eu-amsat
Date: 2009-07-05 16:09:32 UTC
From: Luc Leblanc
Topic: 2603 Message: 2612
Attachments: 1 described; binary payloads are missing from this source WARC

On 5 Jul 2009 at 12:46, John Hackett wrote:

>
> Ladies and Gentlemen,
>For those that don't know it, The chief of RosKosmos, the Russian Space Agency *confirmed* last week the Russian intention to pull the
plug
> on the ISS in the 2015 - 2020 timeframe and to construct another dedicated Russian
> space station.
>
> According to Anatoly Zak RosKosmos informed NASA of these plans 14 days ago.
>

For those who never get my previous AMSAT-NA BB post here is a report about ARISS not too flattering for ARISS i'm not too surprised the
AMSAT censoring office discard this one... Still don't know why some still sending their money to a group who is unable to even respect the
free speech liberty.

As Pat N2OEQ wisely wrote "> America is nothing like what fought the original revolution. " it's refreshing to see some still have wisdom
hope still exist...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2613. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 16:40:55 UTC
From: Allan Copland
Topic: 2606 Message: 2613

Hi Nader and Group.

> Waiting for explation for the Quieting on FM sat.

Both quieting and capture effect are discussed at..
http://www.radio-electronics.com/info/receivers/fm_reception/fm_reception.php

I hope that's of help.

73 Al.
GM1SXX

2614. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 17:02:54 UTC
From: Allan Copland
Topic: 2606 Message: 2614

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
>
> Hi John
> Tnx for explanation
> Yes I can understand it is ok for HI FI brodcast audio!
> But why this Quieting use on sat ?
> for sure not for crystal clear audio !

Hi Nader,

John is a little bit busy at the moment so I'll try to answer your query in a better way.

Well yes, you would hope for crystal clear audio on an FM satellite, but here is one way to consider quieting.

Quieting is an effect or phenomenon on FM transmissions where the incoming signal is strong enough to activate the satellite receiver's limiter stage, which in turn will therefore eliminate noise caused by signal amplitude variations.

A perfect FM signal is said to be 'fully quieting'... as good as it can be. (my simplified explanation).
A weak FM signal is often described as 'scratchy' because that's pretty much what it sounds like.

Capture Effect. On an FM bird, only the strongest signal picked up by the receiver on board will be re-transmitted. This of course leads directly to all sorts of bad manners :-)

73 Al.
GM1SXX

2615. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 18:17:58 UTC
From: st2nh
Topic: 2606 Message: 2615

Hello Al , John and All

and many thanks for replies and help

Here my Google contribution de

http://www.k0nr.com/rwitte/fmvhf.html

SIGNAL REPORTS
FM signal reports are often given in terms of receiver quieting. A strong signal will fully quiet an FM receiver, while a weak one will be quite noisy. A "Full quieting" report is given to a signal which exhibits no background noise or hiss. Signal reports are often given in terms of "percent quieting" to give the transmitting station a better idea of the signal quality.
Remember that when using a repeater there are two communication paths at work -- the path from the transmitting station to the repeater and the path from the repeater to the receiving station. Either one of these paths can exhibit noise due to a weak signal. If the receiving station has a strong S-meter indication but the transmitting station sounds noisy, the transmitting station is probably weak into the repeater. Remember that the signal strength indicated by your S meter is due to the repeater and not the transmitting station.
A frequency modulated transmitter used on the VHF/UHF amateur bands should be set for a maximum frequency deviation of 5 kHz with full modulation. Unlike SSB transmitters, the signal strength of an FM signal is independent of modulation level. That is, a dead carrier produces just as much power as a fully-modulated signal. Excessive modulation of an FM transmitter does not improve the reception of the signal and often degrades it. On the other hand, inadequate FM deviation causes weak received audio. The level of audio heard on the receive end is relatively independent of received signal strength. This means that changing transmitter power does not affect the loudness of the audio at the receive end.
What I have understood

.

I well repeat this phrase from above text
(A dead carrier produces just as much power as a fully-modulated signal).

So I have understood that the quietness due to unmodulated FM carrier (dead carrier)
That means the FM sat keep on sending carrier even when it hears nothing!!!

Well the Question still persists!

Why the sat downlink transmitter keep pumping dead carrier
If there is no input to the receiver side?

73's
Nader , st2nh

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> >
> >
> > Hi John
> > Tnx for explanation
> > Yes I can understand it is ok for HI FI brodcast audio!
> > But why this Quieting use on sat ?
> > for sure not for crystal clear audio !
>
> Hi Nader,
>
> John is a little bit busy at the moment so I'll try to answer your query in a better way.
>
> Well yes, you would hope for crystal clear audio on an FM satellite, but here is one way to consider quieting.
>
> Quieting is an effect or phenomenon on FM transmissions where the incoming signal is strong enough to activate the satellite receiver's limiter stage, which in turn will therefore eliminate noise caused by signal amplitude variations.
>
> A perfect FM signal is said to be 'fully quieting'... as good as it can be. (my simplified explanation).
> A weak FM signal is often described as 'scratchy' because that's pretty much what it sounds like.
>
> Capture Effect. On an FM bird, only the strongest signal picked up by the receiver on board will be re-transmitted. This of course leads directly to all sorts of bad manners :-)
>
> 73 Al.
> GM1SXX
>

2616. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 19:12:28 UTC
From: Allan Copland
Topic: 2606 Message: 2616

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Waiting for explation for the Quieting on FM sat.
>

OK, Nader, now I think I know what you are asking. You are not asking about quieting. What I *think* you are asking is something like this ...
'Does the PA develop power in the absence of an input signal at the satellite's receiver?'

The answer I suspect is no, there would be no point in transmitting an unmodulated carrier with no FM deviation present.
FM is a continuous duty mode. The power doesn't vary during transmission. It's all or nothing.

This is a different matter from quieting. To have the PA active in the absence of an input signal would be a complete waste of battery power, a scarce resource on most satellites. The satellite's receiver squelch, or RSSI (look it up) could be used to control the PA.

By contrast, a linear bird only generates RF power when a signal is present in the uplink passband. With no signal present at the satellite's receiver, the PA is still active, but generating no RF power.

73 Al.
GM1SXX

2617. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 19:46:00 UTC
From: st2nh
Topic: 2606 Message: 2617

Hi Al

OK Al
But we can hear quiteness with out modulation from FM sat.

> 'Does the PA develop power in the absence of an input signal at the satellite's receiver?'
>
> The answer I suspect is no, there would be no point in transmitting an unmodulated carrier with no FM deviation present.

>
> 73 Al.
> GM1SXX
>

2618. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 20:03:27 UTC
From: Allan Copland
Topic: 2606 Message: 2618

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
> OK Al
> But we can hear quiteness with out modulation from FM sat.
>

OK Nader, I think you are suggesting that you can hear an unmodulated CARRIER (not quietness) with no uplink signal present. Perhaps someone else in the group can explain why. I must admit that I can't see any sense in an FM satellite that transmits an unmodulated carrier and I have no personal interest at all in FM birds. Perhaps someone from the AO51 construction team can answer this one?

73 Al.
GM1SXX

2619. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 20:25:04 UTC
From: st2nh
Topic: 2606 Message: 2619

AL many many tnx

Summary

FM signal reports are often given in terms of receiver quieting
A strong signal will fully quiet an FM receiver

Notice strong signal (from TX station or sat)
Quieting at receiver side (eg ground station)

Unlike SSB transmitters, the signal strength of an FM signal is independent of modulation level. That is, a dead carrier produces just as much power as a fully-modulated signal

so

Quietness due to transmitting of carrier .
FM sat keep pushing carrier with out modulation
Why dose it waste the power?
Still the question needs an answer!

Yes perhaps someone from FM sat team well help us more.

Thanks for all input and really it is so nice to have thread
With an interesting topic.

tnx again all Gentlemen

Nader , st2nh

--- In eu-amsat@yahoogroups.com, "Allan Copland" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@> wrote:
> > OK Al
> > But we can hear quiteness with out modulation from FM sat.
> >
>
> OK Nader, I think you are suggesting that you can hear an unmodulated CARRIER (not quietness) with no uplink signal present. Perhaps someone else in the group can explain why. I must admit that I can't see any sense in an FM satellite that transmits an unmodulated carrier and I have no personal interest at all in FM birds. Perhaps someone from the AO51 construction team can answer this one?
>
> 73 Al.
> GM1SXX
>

2620. Re: [eu-amsat] Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-05 22:20:29 UTC
From: Thomas Frey
Topic: 2606 Message: 2620

Hello Nader

In FM it makes no difference if you speak into your microphone and modulate your transceiver, or you push simply the ptt-knob. But in SSB you have the difference of RF-power or no RF-power. I hope, I understood you right.

On AO-51 I observe regularly a ptt-pusher, but my signal is stronger than his. But it can be other OMs has a stronger signal than I have. This is the daily "war" on AO-51. The result is the well known zoo.

AO-51 transmits a continuous FM signal. Why ? I don't know. SO-50 transmits only, if a uplink signal with 67 Hz CTCSS tone is present.

st2nh schrieb:
> AL many many tnx
>
>
> Summary
>
> FM signal reports are often given in terms of receiver quieting
> A strong signal will fully quiet an FM receiver
>
>
> Notice strong signal (from TX station or sat)
> Quieting at receiver side (eg ground station)
>
>
> Unlike SSB transmitters, the signal strength of an FM signal is independent of modulation level. That is, a dead carrier produces just as much power as a fully-modulated signal
>
>
> so
>
> Quietness due to transmitting of carrier .
> FM sat keep pushing carrier with out modulation
> Why dose it waste the power?
> Still the question needs an answer!
>
> Yes perhaps someone from FM sat team well help us more.
>
> Thanks for all input and really it is so nice to have thread
> With an interesting topic.
>
> tnx again all Gentlemen
>
> Nader , st2nh

>
>
>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2621. AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-05 22:53:42 UTC
From: Thomas Frey
Topic: 2621 Message: 2621

Hello All

Today I viewed the video about "Dayton 2009 Barry Baines, WD4ASW AMSAT Status". See http://www.amsat.org/amsat-new/information/videoNews.php

Now I need your help to understand Barry Baines American English. If I understand it right, Eagle will go with an Intelsat rideshare into a geosynchronous orbit over America. And the project Eagle begins at Zero.

I will not begin a flamed discussion on the "-BB", so I ask here. We all knows the consequence of such a rideshare.

Thanks in advance and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2622. Information.

Yahoo group: eu-amsat
Date: 2009-07-06 08:46:32 UTC
From: John Hackett
Topic: 2622 Message: 2622

Hello Dave,
Certainly, just follow the additional information from the main
page of ...

<http://www.russianspaceweb.com/index.html>

Have a good day.

73 John <la2qaa@...>
.....
..

> From: n4csitwo@...
> To: la2qaa@...
> Subject: Re: [amsat-bb] An alternative ... or ... competition !!!.
> Date: Sun, 5 Jul 2009 16:07:08 -0400
>
> Hi John,
> This is very interesting. Do you know the official news source of this
> information? I would like to read more about it.
>
> Dave, AA4KN
>
> ----- Original Message -----
> From: "John Hackett" <archie.hackett@...>
> To: <eu-amsat@yahoogroups.com>
> Cc: <allan_gm1sxx@...>; <amsat-bb@...>
> Sent: Sunday, July 05, 2009 6:46 AM
> Subject: [amsat-bb] An alternative ... or ... competition !!!.
>
>
>
> Ladies and Gentlemen,
> For those that don't know it, The chief of
> RosKosmos, the Russian Space Agency *confirmed* last week the Russian
> intention to pull the plug on the ISS in the 2015 - 2020 timeframe and to
> construct another dedicated Russian
> space station.
>
> According to Anatoly Zak RosKosmos informed NASA of these plans 14 days ago.
>
> The new Russian station is *NOT* intended to be a laboratory like the ISS
> but
> more of an in-orbit contruction platform for future Mars-like and outer
> space
> missions.

>
> The station will comprise a maintainable 'ball' section with several docking
> ports
> with attachable modules.
>
> I propose that amateur radio satellite operators get together and form a
> group to suggest/try to influence/impliment an ARISS type of project for
> this space station.
>
> A Strela type frame could be attached to the underside of the 'ball' and
> since the station is planned for a Molinya type orbit the coverage would be
> suitable for DX.
>
> The planned orbit would put the station predominently over Russia - as
> opposed to the current ISS equatorial orbit.
>
> Personally, I would suggest an RS-10/11 RS-12/13 clone with a ROBOT ...
> (read: propagation tester) - as these satellites were without the shadow of
> a
> doubt the best for recruiting newcomers.
>
> It would, in my opinion, be a viable concept and an alternative to some of
> the
> latest 'ideas' of a transponder on the moon ... which wouldn't 'catch' many
> potential newcomers but would (*IN MY OPINION*) only serve a few dedicated
> 'experts' ... leading to the demise of amateur satellite communications in
> general.
>
> Comments, monies and praise to LA2QAA.
>
> Criticisms, horsewhipping and flaming to GM1SXX.
>
> 73 John. <la2qaa@...>
>
> Interested parties may read the following ...
>
>
> .....
.....
> The OPSEK project
>
> By
> 2008, the Russian successor to the International Space Station, ISS,
> was identified as Orbitalniy Pilotiruemyi Eksperimentalniy Kompleks,
> OPSEK, or Orbital Manned Assembly and Experiment Complex in English.*
> Unlike previous designs of Mir, Mir-2 and the ISS,
> the heart of the station would be a four-ton ball-shaped node module.
> Equipped with six docking ports, this relatively small and simple
> element would be the only permanent element of the station. All other
> modules would come and go as their lifespan and mission requires.

>
> The initial architecture of the OPSEK complex could be built out of
> modules originally planned for the Russian segment
> of the ISS. The exact scenario of the OPSEK assembly would depend on
> the end of the ISS and the readiness of the latest Russian modules.
> According to a 2008 scenario, the MLM multipurpose module, the node module
> and a pair of NEM power platforms could be first launched to the ISS in
> 2011, 2013 and 2014-2015,
> respectively. With the deorbiting of the ISS looming around 2020, these
> modules could separate from the old outpost to form the core of the new
> Russian station. Another, more controversial scenario considered the
> separation of the practically entire Russian segment, including the MIM-2
> docking compartment and the Zvezda service module,
> prior to the ISS deorbiting. In this case, the 20-year-old service
> module would temporarily take a responsibility for the flight control
> of the OPSEK, until its replacement with a 40-ton versatile core
> module, UMB, launched by a next-generation rocket from yet-to-be built
> launch site in Vostochny during 2020s.
>
> The
> separation of the Russian segment from the ISS would leave the rest of
> the outpost without effective orbital maneuvering capabilities, leaving
> the European ATV spacecraft
> as a likely candidate to perform the tasks of attitude control and
> deorbiting. To achieve this the ATV would have to be modified to enable
> its docking with the US segment of the ISS.
>
> Depending
> on the operational orbit selected for the OPSEK, it might be necessary
> to change the orbital inclination of the modules departing the ISS and
> forming the new station. The lowest inclination accessible from
> Vostochny is 51.7 degrees, while the ISS is orbiting the Earth with the
> inclination 51.6 degrees toward the Equator. It is estimated that one
> or two Progress cargo ships would be necessary to push the modules from one
> inclination to another.
>
> From
> official statements during 2008 and 2009, it is clear that the one of
> the chief objectives of the OPSEK complex would be the support for
> expedition to Mars. All major elements of the Martian expeditionary
> complex, such as main habitation module, Mars lander and
> nuclear-powered space tug would dock to the station before its
> departure from the low-Earth orbit toward Mars. The Martian expedition
> would at the OPSEK as well.
>
> The station would also play a similar role in lunar exploration.
> Reusable space tugs could link OPSEK with the Lunar Orbital Station, LOS, in
> orbit around the Moon, thus creating a transport chain for a permanent lunar
> base. Such tasks as servicing of modular satellites by orbital tugs based
> at the OPSEK complex were also cited.

>
> In
> broader terms, TsNIIMash research institute, a chief strategist of the
> Russian space agency, formulated the OPSEK concept as a foundation of
> the nation's space strategy. By 2009, the new station was seen as a
> cornerstone of a new space exploration plan, which extended four
> decades into the 21st century. An ambitious program apparently included
> manned missions to the Moon, Mars and beyond. (344)
>
> Cooperation with Europe and the US
>
> In
> 2008, Russian plans for maintaining presence in the low-Earth orbit in
> general and the creation of a successor to the ISS in particular had
> been met enthusiastically in Europe. As ESA had little hope to match
> the US effort to return to the Moon at the beginning of the 21st century,
> preserving a destination in the low-Earth orbit seemed critical for the
> political support of the manned space flight on the continent.
>
> In
> June 2009, Simonetta Di Pippo, ESA director of human space flight told
> the editor of RussianSpaceWeb.com that she shared the Russian vision of
> the future space station as a platform for deep space missions. "I have
> continuous consultations with officials in Russia. We meet every month,
> month and a half, and now
> we are going to start jointly, the study how to proceed beyond 2025, Di
> Pippo said, ..."and we have a common idea that we would like to
> preserve presence in the lower orbit. We are studying different
> scenarios, whether we need permanent presence or, maybe, a human-tended
> capability, and we can end up with a totally different solution in the
> end, but I don’t believe we can leave Earth orbit."
>
> Di Pippo also said that although current NASA plans for return to the
> Moon
> reserved no essential role for the station, it could change in the
> future. "Even on the NASA side, they have too many different
> developments (associated with the Earth orbit), including commercial
> involvement, which they can not immediately give up," Di Pippo said.
>
> By the end of 2010,
> all partners in the ISS project were expecting to agree on the
> extension of the ISS lifespan from 2015 to 2020 or even 2025. Once end
> of life for the ISS was decided an active planning for post-ISS manned
> space flight could begin in Russia, Europe and possibly the US.
>
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!

> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

2623. RE: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 12:53:44 UTC
From: John Hackett
Topic: 2621 Message: 2623

Thomas,
Unfortunately, you misunderstood Barry Baines's comments about
P3E and Intelsat.

Basically what he said was ...

Amsat-DL did *NOT* have a launch but were in the process of 'looking' for one.

He also said ... The INTELSAT proposal fell through because Amsat didn't have
the money Intelsat required - to put up front for the planned launch.

Please note that I did mention this quite some time ago - (see the archive).

He also noted that the Australian government paid 160 million dollars to secure
a ride on Intelsat and that Amsat couldn't compete.

GM1SXX has used the word 'pipedream'. This was most certainly one of them ...
and is also why my suggestion re the future Russian spacde station is at this
period in time, a viable propasition.

Lets scrutinise the difference between viable propasitions and 'pipedreams'.

One gentleman mentioned that wild ideas often com to fruitation. I disagree.

IMO - wild ideas usually remain just that ... wild ideas.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 6 Jul 2009 00:53:42 +0200
Subject: [eu-amsat] AMSAT Eagle

Hello All

Today I viewed the video about "Dayton 2009 Barry Baines, WD4ASW AMSAT

Status". See http://www.amsat.org/amsat-new/information/videoNews.php

Now I need your help to understand Barry Baines American English. If

I understand it right, Eagle will go with an Intelsat rideshare into

a geosynchronous orbit over America. And the project Eagle begins at

Zero.

I will not begin a flamed discussion on the "-BB", so I ask here. We

all knows the consequence of such a rideshare.

Thanks in advance and 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2624. Re: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 14:36:19 UTC
From: Thomas Frey
Topic: 2621 Message: 2624

John Hackett schrieb:
>
>
> Thomas,

Hello John

> Unfortunately, you misunderstood Barry Baines's comments
> about
> P3E and Intelsat.
>
> Basically what he said was ...
>
> Amsat-DL did *NOT* have a launch but were in the process of 'looking'
> for one.

This I understood.

>
> He also said ... The INTELSAT proposal fell through because Amsat
> didn't have
> the money Intelsat required - to put up front for the planned launch.

This is it what I misunderstood.

>
> Please note that I did mention this quite some time ago - (see the
> archive).
>
> He also noted that the Australian government paid 160 million dollars
> to secure
> a ride on Intelsat and that Amsat couldn't compete.
>
> GM1SXX has used the word 'pipedream'. This was most certainly one of
> them ...
> and is also why my suggestion re the future Russian spacde station is
> at this
> period in time, a viable propasition.

I think, its much too early to speculate for a ride on a new russian
space station.

>
> Lets scrutinise the difference between viable propasitions and
> 'pipedreams'.
>
> One gentleman menti oned that wild ideas often com to fruitation. I

> disagree.
>
> IMO - wild ideas usually remain just that ... wild ideas.
>
> 73 John. <la2qaa@...>
>
> ---

I also disagree. The satellite business is too hard to dream. But,
who knows ? In the meantime we can read more tons of speculations
and dreams in our forums and groups. :-)
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2625. RE: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 14:54:03 UTC
From: John Hackett
Topic: 2621 Message: 2625

RGR Thomas,
It's important to be able to differentiate between fact and fiction.

As you know ... a 'story' usually changes proportionally to the amount of telling.

You don't need many - (even professional) - operators to change a serious
message into a frivolous one.

"Send reinforcements, we're going to advance"

Soon becomes ...

"Send three and fourpence, we're going to a dance".

(British Army Signals' training example).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 6 Jul 2009 16:36:19 +0200
Subject: Re: [eu-amsat] AMSAT Eagle

John Hackett schrieb:

>

>

> Thomas,

Hello John

> Unfortunately, you misunderstood Barry Baines's comments

> about

> P3E and Intelsat.

>

> Basically what he said was ...

>

> Amsat-DL did *NOT* have a launch but were in the process of 'looking'

> for one.

This I understood.

>

> He also said ... The INTELSAT proposal fell through because Amsat

> didn't have

> the money Intelsat required - to put up front for the planned launch.

This is it what I misunderstood.

>

> Please note that I did mention this quite some time ago - (see the

> archive).

>

> He also noted that the Australian government paid 160 million dollars

> to secure

> a ride on Intelsat and that Amsat couldn't compete.

>

> GM1SXX has used the word 'pipedream'. This was most certainly one of

> them ...

> and is also why my suggestion re the future Russian spacde station is

> at this

> period in time, a viable propasition.

I think, its much too early to speculate for a ride on a new russian

space station.

>

> Lets scrutinise the difference between viable propasitions and

> 'pipedreams'.

>

> One gentleman menti oned that wild ideas often com to fruitation. I

> disagree.

>

> IMO - wild ideas usually remain just that ... wild ideas.

>

> 73 John. <la2qaa@...>

>

> ----------

I also disagree. The satellite business is too hard to dream. But,

who knows ? In the meantime we can read more tons of speculations

and dreams in our forums and groups. :-)

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2626. Re: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 18:26:30 UTC
From: Trevor .
Topic: 2621 Message: 2626

--- On Sun, 5/7/09, Thomas Frey <th.frey@...> wrote:
> We all knows the consequence of such a rideshare.

Hi Thomas,

I didn't understand that, what do you consider to be the consequences of a rideshare ?

73 Trevor M5AKA

2627. Re: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 21:21:09 UTC
From: Thomas Frey
Topic: 2621 Message: 2627

Trevor . schrieb:
>
>
> --- On *Sun, 5/7/09, Thomas Frey /<th.frey@...>/* wrote:
> > We all knows the consequence of such a rideshare.
>
> Hi Thomas,
>
> I didn't understand that, what do you consider to be the consequences
> of a rideshare ?
>
> 73 Trevor M5AKA
>
>

Hello Trevor

I mean, if a HAM transponder would be installed on a geostationary satellite like Intelsat and its downlink masks only the American continent, this can never be a HAM radio satellite. If installed from AMSAT-NA you can name it NGO-satellite. But its obsolete now.

I remember me back to 1988. I was in Dayton at the Hamvention at a AMSAT speech from Bob McGwier. The idea was to bring 3 geostationary satellites into orbit to support the whole world. After that this project (Phase 4) was reduced to 2 satellites and then it was cancelled in favour of P3C / OSCAR-13. At this time the cooperation between AMSAT-NA and AMSAT-DL was much closer than today.

I'm also in the view, that all AMSAT-organisations around the world have to come together to push Phase-3E into orbit.

An inofficial message says, that AMSAT-DL needs around 20 million Euro to build the spaceship P5A and bring it to the Mars. And without P5A we will not have P3E. This was communicated at the start of this two projects. The reason is unknown to me and I think also to others. P3E will be a testplatform for P5A with a "Mars simulation transponder". But the ground station in Bochum/DL with its 20m dish is also testet to communicate with P5A as you knows. AMSAT-DL is trying to get the 20 mill. Euros from DLR (Deutsches Zentrum für Luft- und Raumfahrt) (http://www.dlr.de/).

This are the facts I knows of. But its allowed to dream. Also from AMSAT-Eagle. ;-)

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2628. Re: [eu-amsat] AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-06 22:09:56 UTC
From: Trevor .
Topic: 2621 Message: 2628

--- On Mon, 6/7/09, Thomas Frey <th.frey@...> wrote:
> I mean, if a HAM transponder would be installed on a geostationary
> satellite like Intelsat and its downlink masks only the American
> continent, this can never be a HAM radio satellite.

Not a Ham Radio satellite but a Ham Radio Satelite Payload. Personally I don't care if Amateurs own the satellite or someone else does it's the Amateur communications payload that's important. BTW I was under the impression that AMSAT-NA were still persuing options with Intelsat.

> An inofficial message says, that AMSAT-DL needs around 20 million
> Euro to build the spaceship P5A and bring it to the Mars.
> And without P5A we will not have P3E.

Lets hope they get the funding so they can purchase a launch package for both satellites. The good thing about this project is that Amateurs can get P3E put into an HEO orbit paid for out of P5A funding. The primary mission of P3E being to test the technology to be used in P5A. After that technology has been tested Amateurs would have an HEO linear transponder satellite to use.

> At this time the cooperation between AMSAT-NA and AMSAT-DL was
> much closer than today.

As I see it the level of co-operation these days is directly affected by the USA ITAR regulations which threaten US citizens with 5 figure fines or long jail terms for co-operating with Non-US citizens.

As far as I can see most aspects of Amateur Satellite construction fall within the very wide scope of ITAR. An Integrated Housekeeping Unit (IHU) would be one example.

73 Trevor M5AKA

2629. Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-07 10:00:30 UTC
From: Allan Copland
Topic: 2621 Message: 2629

Hi group.

> > An inofficial message says, that AMSAT-DL needs around 20 million
> > Euro to build the spaceship P5A and bring it to the Mars.
> > And without P5A we will not have P3E.

We can't have P3E without also building P5A?
I have never seen that in print. I'm glad to read that this was an 'unofficial message'. What I *have* seen is the proposal to build the two craft at the same time. That's a different scenario from suggesting that we *can't* have one craft without the other. In the current economic climate, we'll be lucky to be able to fund P3E, let alone P5A. While it's an interesting idea, IMHO P5A doesn't offer a lot to the average satellite operator / supporter, except perhaps prestige. YMMV. Time to 'get real' folks, especially about financing.

73 Al.
GM1sxx

2630. Re: [eu-amsat] Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-07 12:15:23 UTC
From: Thomas Frey
Topic: 2621 Message: 2630

Allan Copland schrieb:
> Hi group.
>

Hello Allan and group

>
>>> An inofficial message says, that AMSAT-DL needs around 20 million
>>> Euro to build the spaceship P5A and bring it to the Mars.
>>> And without P5A we will not have P3E.
>>>
>
> We can't have P3E without also building P5A?
>

Yes, this is the official statement of AMSAT-DL. Inofficial is the message about the financing of P3E/P5A with 20 mill. Euro from DLR. The leaders of AMSAT-DL does never make every statements about financing. It could be, that this jeopardize the negotiations with the investors. This is their meaning.

Trevor has outlined the technical reason.

> I have never seen that in print.

I as longtime member of AMSAT-DL also not. It was communicated personally. The communication was for a long time a problem with the inner circle from AMSAT-DL. Only members were informed thru the journal about the finished things. Now with Internet its better, but the old ghost is always present.

> I'm glad to read that this was an 'unofficial message'.

See above

> What I *have* seen is the proposal to build the two craft at the same time. That's a different scenario from suggesting that we *can't* have one craft without the other.

Phase-3E is built for 75% (+-). What Trevor also has outlined are the difficulties with the US ITAR. The OnBoardComputer (IHU) will now build by a German OM. This problem is solved now and after that the modules can be integrated.

> In the current economic climate, we'll be lucky to be able to fund P3E, let alone P5A. While it's an interesting idea, IMHO P5A doesn't offer a lot to the average satellite operator / supporter, except perhaps prestige. YMMV. Time to 'get real' folks, especially about financing.
>
> 73 Al.

> GM1sxx
>
>

To finance a HAM-satellite with a prestige project like a private mission to Mars is clever but also a poker game. We can lose both projects. I don't know if there is an Ass in the backhand.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2631. From The Twisted Pair (!).

Yahoo group: eu-amsat
Date: 2009-07-07 13:22:42 UTC
From: John Hackett
Topic: 2631 Message: 2631

For those who don't read 'OBSERVATIONS' ... (you should !!!, it's FREE).

73 John. <la2qaa@...>

Joint Observations
07 July 2009
GM1SXX & LA2QAA

The problem
with Space Stations... and a possible Opportunity.

When the
International Space Station is scrapped.... probably in the 2015-2018 time
frame, a valuable space asset will be lost. It needn't have been that way,
and the Russians have wakened up to a new possibility, one that was sadly missed
on the ISS.

ISS is built
around MIR-2 hardware. The core, the Zvezda module, is essentially
unchanged from the old MIR design, a tubular cylindrical living area with solar
arrays attached to a docking 'ball' with five docking ports available.
Once Zveda becomes life-expired, the whole assembly is useless. A
more practical approach would have been to fly a 'passive' six-port docking
ball, to which active modules can be docked. In this way, station elements could
be detached and discarded as they reached the end of their design lives while
the docking ball remains a 'permanent fixture' in space.

Enter 'Orbitalniy
Pilotiruemyi Eksperimentalniy Kompleks', OPSEK, or the 'Orbital Manned
Assembly and Experiment Complex' This is a plan for a future space
station unveiled by the Russians in 2007, and documented by Anatoly Zak on his
web-pages. It centres around the use of a passive 4 ton 'docking ball'
with six ports, to which additional modules can be attached.

Such a docking
ball in LEO would have the primary purpose of 'tying a space station
together', by providing passive docking ports, but it could equally well serve as a
long-lived platform for a 'parasite radio package' in the same way that the old
RS10/11 and RS12/13 'satellites' worked. For those not old enough to know,
these were 'parasite' transponder packages attached to spacecraft that were
powered from the main craft. So long as the packages antenna(s) could be
mounted on the ball's -Z axis, it could serve as a useful radio relay
(transponder) in LEO. Such a package would have a fairly small physical
footprint and would require very little driving power from the 'mother-ship' or
solar panels (if fitted). It would obviously be desirable to derive power from
the mother-ship in the interests of simplicity and longevity.

With launches
becoming increasingly difficult to find on cost grounds, this would be one possible way to provide a future new transponder in LEO. If the package was small and light enough, it could possibly be carried to the (new) space station by a progress cargo vehicle as freight, and attached to the docking ball structure during a space walk. What is more, it could function for a long time, limited only by the overall life of the space complex.

Several people in
the UK already have a track record in building space-rated hardware in addition to another amateur in Holland, who has built space qualified hardware including the backup transponder for HM-1 AKA VUSAT, as well as a new linear 'Pico-Transponder'. They know who they are... you don't need to know, at least not right now :-) The expertise already exists to supply space rated hardware to fly on such a mission. and we do feel that the possibility of flying such a mission should not be passed over. I'm sure there are people in Russia (from the old RS satellite team) who would be just as keen to see this idea fly.

73 AL & John

GM1SXX & LA2QAA

2632. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-07 17:14:46 UTC
From: Bratu Florian Gabriel
Topic: 2606 Message: 2632

Old mans is just a simple FM repetor.You can compare with ordinary FM terestrial repetors. It transmit any signal from RX entrance. On SO 50 the signals are clear and noise or other carriers missing because he is activate with 67hz ctcss (plus 74hz trigger).A very eficient protection, that also permited a high level sensitivity. AO51 doesn't have anymore the CTCSS activate, so it grab all noises and carriers in its range at every pass. It was more than one year ago a very noiseless and clear bird when it have the ctcss activated. I don't know the reason that control team maintain the ctcss down, maby across USA is low radio noise.
The FM birds are very good for /p contacts. For example i was last week on mountain top about 2500-2545 metters (no cars,no roads, no power sources etc.) climbing with my friend YO9GVN and a handy and small portable antennas was all the /p shack. hi
Very easy contacts in that conditions, with peak tend and weared weather (in general we was inside the clouds or above)
http://www.youtube.com/watch?v=vnq6b8XK2Jo&feature=channel_page
So the FM birds are also good in special in portable conditions and minimum equipement, the linear transporder is great but in static conditions.
About the noise just compare AO51 and SO50 to see the difference.
73

2633. Re: [eu-amsat] Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-07 18:53:00 UTC
From: Trevor .
Topic: 2621 Message: 2633

--- On Tue, 7/7/09, Allan Copland <allan_gm1sxx@...> wrote:
> I have never seen that in print.

Hi Allan,

I have always understood that the two projects were tightly linked with P3E being used to test various technologies required for the P5A mission.

An AMSAT-DL statement on the joint project issued in July 2002 can be seen at

http://www.amsat-dl.org/p3e/pm020726en.pdf

The P5A mission has much to offer Amateurs primarily interested in the technical side of the hobby.

P5A is a good way to raise funding from outside sources. It's the type of project that Government institutions and large organisations may well be willing to provide considerable funds for. The Amateur community alone couldn't raise the money to pay for a single HEO launch let alone two.

73 Trevor M5AKA

2634. Re: [eu-amsat] From The Twisted Pair (!).

Yahoo group: eu-amsat
Date: 2009-07-07 19:56:42 UTC
From: Luc Leblanc
Topic: 2631 Message: 2634

On 7 Jul 2009 at 15:22, John Hackett wrote:

>
> For those who don't read 'OBSERVATIONS' ... (you should !!!, it's FREE).
>
> 73 John. <la2qaa@...>
>
> Joint Observations
> 07 July 2009
> GM1SXX & LA2QAA
>

Impressive unofficial update about what's the next steps could be guys.

Since 2001 i always notice it is extremely difficult to have regular and up to date details about amateur spacecraft construction progress.

As AMSAT-NA does not have any plans, we can only rely on AMSAT-DL but there too information "mostly in German" is quite hard to get.

Is P3E is ready to fly? plans was for a satellite ready for launch in 2009? AMSAT-DL use to give some report on AMSAT-NA BB about their
progress but since a kind of break in their relation with AMSAT-NA nothing show up on AMSAT-NA BBanymore!

If they have some issues when postiing on AMSAT-BB they can use EU-AMSAT reflector. As you pointed out there will be about 8 shuttle
launch toward ISS Some cube sats where launch from the shuttle in the past and they even launch a commercial satellite from it.
Is P3E can be bring aboard and dumped over board? Is the russian automated cargo progress vehicule can be used to bring something up?

The Chinese and Japan also want to be in space. France with Arianne and the new Russian rocket complex at Kourou will also be ready soon to
put things in space.

Amsat-DL is exploring space-X launch ride too.

If money is now a new way to give excuses from a lack of will? that i don't know but it will be more and more important to keep the crowds
aware even if there will be nothing new about the next HEO or next amateur cube at least this will keep the flame on.

There is some mutual pass between eastern NA and EU i check some in the recent days and nobody show up could be YOU in EU can give us a
brief report about the satellite activity in EU or in the middle east? I know that AO-51 seems to be quite "HOT" at times as per some poor

usage commenting read over the BB...

Thank's all to try to keep us inform and out of the darkness.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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2635. Re: FM reception.

Yahoo group: eu-amsat
Date: 2009-07-07 21:00:48 UTC
From: st2nh
Topic: 2606 Message: 2635

--- In eu-amsat@yahoogroups.com, "Bratu Florian Gabriel" <yo9gjx@...> wrote:
>
>> AO51 doesn't have anymore the CTCSS activate, so it grab all >noises and carriers in its range at every pass.
>

Hi Bratu

Thank for reply
Yes this so simple answer and technically so logic for my question!
Noises keep the FM sat transmitter on .Which produce the quietness
in ground station RX.
Neither due for good audio nor for audients as in FM broadcast station

Best regards

Nader
st2nh

2636. Re: [amsat-bb] Re: OT: Universal Text Messaging and Pagers (WAS Re:Re:dream)

Yahoo group: eu-amsat
Date: 2009-07-08 00:44:06 UTC
From: Luc Leblanc
Topic: 2636 Message: 2636

On 8 Jul 2009 at 9:50, Tony Langdon wrote:

> At 02:28 AM 7/8/2009, kd8bxp@... wrote:
>
> >I don't have the time or money to go into a legal battle with FCC -
> >and I don't want to loose my license if this is in their minds
> >illegal. I am just not willing to do that -
>

Hello all the problem solver is back...

One way or two way that is the question!

If i received on my modified pager an EMERGENCY text and i take my HT to call back on my local repeater the sender! Am i in some sort of
violation!!! If it's to pick up a pizza that my wife ordered over the 600ohms to my local pizzeria and i called her back telling her YES am
i also offending any rules or law? For the offended virgins my wife is also a ham and she could also call me back on my local repeater
too...

Could be concentrating on ways to UNITE those interested in having an HEO could be more useful?

Sorry for EU-AMSAT reflector another cross post just in case he will be censored AGAIN here near a free XXX land

Poor souls Benedict XVI just issued a letter for you

P.S. Stupidity has no frontier!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2637. Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-08 07:38:57 UTC
From: Allan Copland
Topic: 2621 Message: 2637

--- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:
> Hi Allan,
>
> I have always understood that the two projects were tightly linked with P3E being used to test various technologies required for the P5A mission.
>

This part is all I can see that 'interlinks' the projects.
Additionally the P3-E spacecraft will be an important test bed for some technology needed for the Mars mission.

I don't take that to mean that we can't have P3E without also building P5A. P3E would be a test bed for P5A technology. Thats a different thing. As to the means to fund P5A, I'm seeing a lot of 'could' 'might' or 'maybes' re attracting outside funding.

P5A would only serve the interests of a few. Is it fair to expect the general membership to help fund such an enterprise at a time when costs have become such a major issue. Sure, it would be an 'interesting' project to many, but outwith the prractical reach of most.

Propulsion..... err, nuff said :-) Ouch!

73 Al.
GM1SXX

2638. Funding P3E/P5A - was: Re: [eu-amsat] Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-08 09:44:03 UTC
From: Thomas Frey
Topic: 2621 Message: 2638

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:
>
>> Hi Allan,
>>
>> I have always understood that the two projects were tightly linked with P3E being used to test various technologies required for the P5A mission.
>>
>>
>
> This part is all I can see that 'interlinks' the projects.
> ***Additionally the P3-E spacecraft will be an important test bed for some technology needed for the Mars mission.***
>

I also have never seen a printed explanation why P3E and P5A are linked together. The infos came in peu-a-peu. Today, and after our discussions here, I think the mainly reason is the financing. See also my previous posts here.

> I don't take that to mean that we can't have P3E without also building P5A.

This is the official statement from AMSAT-DL.

> P3E would be a test bed for P5A technology. Thats a different thing. As to the means to fund P5A, I'm seeing a lot of 'could' 'might' or 'maybes' re attracting outside funding.
>

There are too less or no informations about the financing. See also my previous posts here. For me its also nebulous.

> P5A would only serve the interests of a few. Is it fair to expect the general membership to help fund such an enterprise at a time when costs have become such a major issue. Sure, it would be an 'interesting' project to many, but outwith the prractical reach of most.
>

The "few" will participate us via Bochum/DL thru the Internet. Or you can build your own groundstation. Freddy, ON6UG, has demonstrated it.

> Propulsion..... err, nuff said :-) Ouch!
>
> 73 Al.
> GM1SXX
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2639. Re: [eu-amsat] Re: AMSAT Eagle

Yahoo group: eu-amsat
Date: 2009-07-08 19:27:23 UTC
From: Trevor .
Topic: 2621 Message: 2639

--- On Wed, 8/7/09, Allan Copland <allan_gm1sxx@...> wrote:
> I don't take that to mean that we can't have P3E without also
> building P5A. P3E would be a test bed for P5A technology.
> Thats a different thing. As to the means to fund P5A, I'm seeing
> a lot of 'could' 'might' or 'maybes' re attracting outside funding.

Yes I agree there's nothing in print that explicitly says P3E depends on P5A that's just the impression I'd always been under. I'd never really thought of them as two seperate entities.

Anyway I'm hopefull that P5A will prove attractive to sources of outside funding - Mars is exciting to people outside the Amateur Radio community.

The AMSAT-DL website has been reporting the various components of P3E that have been completed and from those reported so far you can conclude which modules have still to be done.

Now personally I would guess that once all the modules have been completed it'll take some 6 months to integrate them assuming no major problems are found. That's just a personal estimate I'm sure others may differ.

The major hurdle though is getting a launch without which everything else is meaningless. Now I work on the assumption that actual launch won't occur until a year after the announcement that they've secured one. As there is no announcement yet I'm assuming a P3E launch would now be late 2010 at the earliest and more likely 2011/12 with P5A following in 2013 or 2015.

AMSAT-DL have acheived a remarkable amount over the last few years with just a handfull of volunteers. I find the work that's gone into restoring the facility at Bochum incrediable and they've acheived some outstanding results there. The recent reception of echos bounced off Venus using their 6 KW 2.4 GHz Tx was a clear demonstration of their ability to command a spacecraft at inter-planetary distances and it achieved valuable Media coverage in Germany.

Now I'd also like to see some nice simple 145 to 29 MHz or even better 29 to 50 MHz satellites being launched (the later would require changes to ITU regulations first which will take many years). But such satellites would only be usefull if they were in a decent orbit. I consider orbits below 1000 km to be of little use.

Despite its narrow bandwidth the VO-52 435/145 transponder is hardly ever full of signals and I put that down to the short pass times and short distances that you get with such a low orbit.

So I see the basic problem as being how do we get Amateur Transponders into a 1400 km or greater orbit at low cost ?

73 Trevor M5AKA

2640. Richard Garriot QSL card

Yahoo group: eu-amsat
Date: 2009-07-09 01:32:06 UTC
From: Luc Leblanc
Topic: 2640 Message: 2640

I received the Richard Garriott card with a letter this morning. A big thank to the teams involved in this experiment.

The next space tourist will be Guy Laliberté from Quebec i don't know if he will be available to have some QSO'S from ISS as Richard does?

I just hope he will be able to get his amateur radio licence or he can used the equipment abord under the supervision of another licenced
amateur astronaut or cosmonaut?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2641. Richard Garriot QSL card

Yahoo group: eu-amsat
Date: 2009-07-09 18:47:41 UTC
From: Luc Leblanc
Topic: 2640 Message: 2641

I just added it and the letter on my web page: www.qsl.net/ve2dwe
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2642. tlmecho working

Yahoo group: eu-amsat
Date: 2009-07-10 00:08:10 UTC
From: Luc Leblanc
Topic: 2642 Message: 2642

As AO-51 is in mode V/U for the whole month of July i finally succeed to get telemetry from AO-51. Thank's to Mark N8MH for the debugging
sessions. I will have to get a paper model to figure out how he is oriented with the solar panels illumination. Lets to understand the
yellow and green state. On this session TX-A was at 240mw and TX-B at 290mw

First results here: http://www.youtube.com/watch?v=aRHPcruySfs

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
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2643. TLMECHO Bonus

Yahoo group: eu-amsat
Date: 2009-07-10 15:11:39 UTC
From: Luc Leblanc
Topic: 2643 Message: 2643

When i upload my TLM capture by tlm echo i was able to get 3 graph that i put on my web page www.qsl.net/ve2dwe. I remember couple of years
ago having going on this page quick but without going further. The graph are showing Power over time, solar panel voltages over time and
solar panel array currents over time. You can even choose on this page wich one you want tp be put on graph.

look at: http://echo.coloradosatellite.net/echo/index.php

It is a good tool as i'm always asking at what power the satellite is transmitting now i can get my answers without having to yell in the
crowd.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2644. Re: [amsat-bb] Re: IF you had a choice...

Yahoo group: eu-amsat
Date: 2009-07-18 09:22:45 UTC
From: Luc Leblanc
Topic: 2644 Message: 2644

On 16 Jul 2009 at 13:45, David - KG4ZLB wrote:

> I am sure someone will say that my math is wrong but you get the point.
>
> (Standing by with helmet and flak jacket on :-D)
>
> --
> David
> KG4ZLB
> www.kg4zlb.com

My choice the Yaesu FT-847 and as Thomas who was gently rebuked for his scepticism and furnished with the evidence he had demanded - seeing in Christ's hands the point of the nails and putting his fingers in the place of the nails and his hand into His side. I'm also not too convince that all the other HF/VHF satellite radio are not up to the 847 But Yaesu did quite a good job on this one even if the early model come on the market with some minor issues.

Sorry for the non believer but just try an 847 and you will see the light come through... and no birdies noted here on the various satellite satellite frequencies

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2645. AMSAT-UK Colloquium (2009) Speakers Programme

Yahoo group: eu-amsat
Date: 2009-07-18 16:11:10 UTC
From: g4dpz
Topic: 2645 Message: 2645

Hi,

The final (I hope) version of the speakers programme is now available on the AMSAT-UK web site.

Unfortunately the hotel is now full but there are still rooms to be found in Guildford using laterooms.com. Therefore, it's still not too late to book in as day visitors, at the hotel, details on the web site, too.

http://www.uk.amsat.org

73
Dave Johnson
G4DPZ
AMSAT-UK 1267
AMSAT-NA LM-1260

2646. Re: [amsat-bb] Re: Evidence of moon landings....!

Yahoo group: eu-amsat
Date: 2009-07-20 13:13:56 UTC
From: Luc Leblanc
Topic: 2646 Message: 2646

On 20 Jul 2009 at 8:33, Robert Bruninga wrote:

> It sad... These moon deniers are just continuing evidence of
> the gowing ignorance coming out of our education system.
>
> They just believe anything that some smooth talking talk show
> personality puts out there. Since they can't make sense of the
> real world through knowledge and learning and education, they
> grab onto to crazy ideas of others so that they have some sense
> of belonging to a community of like minded people.
>
> There was a report last week about more than 50% of high school
> graduates in Maryland have to take remedial math before they can
> begin their college education. And we are not talking about
> high math, they can't even do basic math like multiply 7 x 9.
> There is no value to arguing with these people or bringing them
> fact, because they lack basic fundamentals of science and
> physics on which to build understanding.
>
> Witness the the growth of "belief" based knowledge as opposed to
> science based knowldedge. And attempts to make them equal...
>
> I fear for our future.
>
> Bob

Creationism is another proof of science denail as it help to maintain their wisdom of the world.

Denial is one of the most common defense mechanisms that we all use, pretending that an uncomfortable thing did not happen!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2647. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2009-07-20 18:07:51 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 2647

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Moonlanding/200907201544.jpg
Uploaded by : yo9gjx <yo9gjx@...>
Description : SSTV from AO51 20.07.2009 16:43 UTC

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Moonlanding/200907201544.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

2648. Re: [amsat-bb] Re: Evidence of moon landings....!

Yahoo group: eu-amsat
Date: 2009-07-21 00:20:48 UTC
From: Luc Leblanc
Topic: 2646 Message: 2648

I'm not always in direct phase with Mr. APRS but this time he seems to speak about something he's kowns best "teaching"

My comment in the text

On 20 Jul 2009 at 8:33, Robert Bruninga wrote:

> It sad... These moon deniers are just continuing evidence of
> the gowing ignorance coming out of our education system.

It is worse in NA even here in Canada it is deterioting

>
> They just believe anything that some smooth talking talk show
> personality puts out there. Since they can't make sense of the
> real world through knowledge and learning and education, they
> grab onto to crazy ideas of others so that they have some sense
> of belonging to a community of like minded people.

Just look those who attend the preachers...

>
> There was a report last week about more than 50% of high school
> graduates in Maryland have to take remedial math before they can
> begin their college education. And we are not talking about
> high math, they can't even do basic math like multiply 7 x 9.
> There is no value to arguing with these people or bringing them
> fact, because they lack basic fundamentals of science and
> physics on which to build understanding.

If at the end they get some sort of papers it is not all lost even if it take's time ...more time quitters are looser!

>
> Witness the the growth of "belief" based knowledge as opposed to
> science based knowledge. And attempts to make them equal...

Nothing is loose all is transform!
>
> I fear for our future.
>
> Bob
>

We just survive a 1929 look a like crash it is a good step in the right direction IMHO

P.S. The one who censored the AMSAT-BB is probably a creationist who is creating something from thin air... Could be a she too or a mixed

of both!

In the cold war era an American was arguing with a Russian about the speech freedom in the US "Here we can go on the steps of the capitol
and we can say anything against the US. The Russian reply " In the USSR we can can also go on the steps of the Kremlin and we can say
anything against the US too!

It was in the cold war era but the same joke can be reworded and she will be still actual. Time pass mentality not always.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2649. Appolo 11 special event

Yahoo group: eu-amsat
Date: 2009-07-21 00:23:48 UTC
From: Luc Leblanc
Topic: 2649 Message: 2649

I got a good recording of on one pass but the SSTV Robot 36 was slanted with the same setup i used for the ISS and AO-51 past SSTV session?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2650. 'Private Venture' ISS re-supply flights.

Yahoo group: eu-amsat
Date: 2009-07-21 08:02:51 UTC
From: Allan Copland
Topic: 2650 Message: 2650

Hi Folks,

This one is a little bit off-topic but should be of interest to some.

NASA seems to have booked a *lot* of flights, around a dozen, with SPACEX who currently only have two orbital launches under their belt.

It would appear that NASA sees their (uflown) Falcon9 vehicle as a means to resupply the ISS. The first successful orbital flight of Falcon1 only carried a dead mass simulator (perhaps a missed opportunity?) while the second carried a conmercial satellite RazakSAT into orbit.

http://www.spacex.com/
http://www.spacex.com/launch_manifest.php

Falcon9 Rocket
http://www.theregister.co.uk/2009/01/02/falcon_9/

Dragon Cargo Capsule
http://www.spacex.com/dragon.php

The first test flight (of three planned) of the Dragon9 rocket is due from Cape Canaveral this year with ISS resupply flights due to start in 2011, a mere two years from now. Seems rather ambitious to me.
The Dragon Cargo Capsule is a Progress look-alike minus the BO module but is heat-shielded and capable of returning goods from space rather like Soyuz. Spacex is headed by Elon Musk (Mr Paypal:-).

Things are about to get interesting!

73 Al.
GM1SXX

2651. Re: [eu-amsat] 'Private Venture' ISS re-supply flights.

Yahoo group: eu-amsat
Date: 2009-07-21 12:10:59 UTC
From: Thomas Frey
Topic: 2650 Message: 2651

Allan Copland schrieb:
> Hi Folks,
>
> This one is a little bit off-topic but should be of interest to some.
>
> NASA seems to have booked a *lot* of flights, around a dozen, with SPACEX who currently only have two orbital launches under their belt.
>
> It would appear that NASA sees their (uflown) Falcon9 vehicle as a means to resupply the ISS. The first successful orbital flight of Falcon1 only carried a dead mass simulator (perhaps a missed opportunity?) while the second carried a conmercial satellite RazakSAT into orbit.
>
> http://www.spacex.com/
> http://www.spacex.com/launch_manifest.php
>
> Falcon9 Rocket
> http://www.theregister.co.uk/2009/01/02/falcon_9/
>
> Dragon Cargo Capsule
> http://www.spacex.com/dragon.php
>
> The first test flight (of three planned) of the Dragon9 rocket is due from Cape Canaveral this year with ISS resupply flights due to start in 2011, a mere two years from now. Seems rather ambitious to me.
> The Dragon Cargo Capsule is a Progress look-alike minus the BO module but is heat-shielded and capable of returning goods from space rather like Soyuz. Spacex is headed by Elon Musk (Mr Paypal:-).
>
>
> Things are about to get interesting!
>
> 73 Al.
> GM1SXX
>
>

Hello Al and group

Its absolutely not off-topic. See
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=163&Itemid=97

In "Babel Fish"-English:
http://de.babelfish.yahoo.com/translate_url?doit=done&tt=url&intl=1&fr=bf-home&trurl=http%3A%2F%2Fwww.amsat-dl.org%2F%2Findex.php%3Foption%3Dcom_content%26task%3Dview%26id%3D163%26Itemid%3D97&lp=de_en&btnTrUrl=%C3%9Cbersetzen

In "Google English":
http://translate.google.com/translate?u=http%3A%2F%2Fwww.amsat-dl.org%2F%2Findex.php%3Foption%3Dcom_content%26task%3Dview%26id%3D163%26Itemid%3D97&sl=de&tl=en&hl=de&ie=UTF-8

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2652. Re: [eu-amsat] 'Private Venture' ISS re-supply flights.

Yahoo group: eu-amsat
Date: 2009-07-21 18:26:14 UTC
From: Trevor .
Topic: 2650 Message: 2652

--- On Tue, 21/7/09, Thomas Frey <th.frey@...> wrote:
> Its absolutely not off-topic. See
> http://www.amsat- dl.org//index. php?option= com_content& task=view& id=163&Itemid= 97

Indeed, lets keep fingers crossed that Falcon-9 eventually proves to be a successful launcher.

They had 3 launch failures with Falcon 1 and I guess it's inevitable they'll be some with Falcon 9 until they get all the design faults ironed out.

Drew KO4MA mentioned on the AMSAT-BB that "SpaceX had to refit the launcher with a vibration dampening system", which bounced CubeSat and InnoSat. This indicates they still have some design issues to sort out on Falcon 1.

It's good to have another launch company as the competition will eventually reduce overall launch costs and in the early stages may provide some very cheap launch opportunities albeit at greater risk as we saw with the CubeSats on the ill-fated 3rd launch of Falcon 1.

73 Trevor M5AKA

2653. AMSAT-UK Colloquium at Guildford This Weekend

Yahoo group: eu-amsat
Date: 2009-07-22 20:48:49 UTC
From: Trevor .
Topic: 2653 Message: 2653

Just a final reminder that the AMSAT-UK Colloquium takes place at the Holiday Inn hotel in Guildford, England on Sat/Sun July 25/26.
Nearest airports London-Heathrow and London-Gatwick.

The event is open to all Radio Amateurs and SWL's.

The programme can be seen at
http://www.uk.amsat.org/content/view/679/266/

Among the many presentations are:
• Earth-Venus-Earth Project Report by Peter Guelzow, DB2OS, AMSAT-DL
• Software Defined Radio reception of Satellite Signals by Drew Glasbrenner, KO4MA
• Medium Earth Orbit (MEO) Options by David Bowman, G0MRF
• ESEO Mission Update by Graham Shirville, G3VZV

Booking details are at
http://www.uk.amsat.org/content/view/25/49/

AMSAT-UK Colloquium
http://www.uk.amsat.org/content/view/32/42/

AMSAT-UK publish a colour A4 newsletter, OSCAR News, that is full of Amateur Satellite information. Join online at

https://secure.amsat.org.uk/subscription/

73 Trevor M5AKA

2654. PE1RAH New Mode U/N Linear transponder

Yahoo group: eu-amsat
Date: 2009-07-24 09:50:53 UTC
From: Allan Copland
Topic: 2654 Message: 2654

Hi Group.

PE1RAH has been working hard on a Cubesat compatible *linear* mode U/V transponder and is preparing for a trip to Japan to show it off at the forthcoming Ham fair in Tokyo on the 22nd and 23rd of August.

The transponder itself is very small and weighs under 30 grams, having been designed for CUBESAT compatibility. William has packaged it up for demonstration purposes in a perspex enclosure for public display at the fair. It's a Mode U/V transponder and is PLL based.

Some words from the man himself.....

>Hi Allan,
>I have been busy in the last few days to get my demo model ready.
I've sent you some pictures of the complete test module, on which the transponder safely can be tested. It has an onboard 3.7V dc stabilizer, and a simple switching power supply is enough to run the whole system. With a simple laptop and programmer the transponder and its beacon can be programmed in any frequency wanted.

>Maybe you can show the pictures to the ham world on your website.
This demo system I will take to the Ham Fair in Tokyo on 22nd and 23rd August, where I will present it at the JAMSAT booth.

>My kind regards,
>William Leijenaar, PE1RAH

You can find a couple of photos of the finished Transponder at...
http://www.observations.biz/PE1RAH/index.html

We hope to add more photos after William's forthcoming trip to Tokyo.

William's previous SMD based transponders were hand-soldered, a very time-consuming and demanding task. This one was constructed using the reflow soldering technique which allows better product quality and removes the need for post-soldering cleanup of fluxes and residues.

73 Al.
GM1SXX

2655. AMSAT-UK Colloquium 2009 Keynote Speaker

Yahoo group: eu-amsat
Date: 2009-07-24 12:22:03 UTC
From: g4dpz
Topic: 2655 Message: 2655

Hi,

We are pleased to announce that Dr Andreas Mogensen, currently at SSC and recently selected as one of the new the ESA Astronaut corps, has agreed to give a talk in the 1015-1100 hrs slot on Saturday 25th, covering briefly the history of the ESA astronaut corps and then about the steps that he went through in the year-long selection process. He may also touch on the work he is doing at SSC on their lunar mission planning.

73

Dave Johnson
G4DPZ
AMSAT-UK 1267
AMSAT-NA LM-1260

2656. AMSAT-UK Colloquium Keynote Speaker

Yahoo group: eu-amsat
Date: 2009-07-24 14:44:32 UTC
From: Trevor .
Topic: 2656 Message: 2656

ESA astronaut to talk to Colloquium

http://www.southgatearc.org/news/july2009/trainee_astronaut_to_talk_at_colloquium.htm

The event will be webcast live, see link above for details.

73 Trevor M5AKA

2657. FUNcube a UK Linear Transponder Satellite

Yahoo group: eu-amsat
Date: 2009-07-25 11:16:59 UTC
From: g4dpz
Topic: 2657 Message: 2657

Hi,

AMSAT-UK has announced a new amateur satellite project ☐ FUNcube ☐ that features a 435 to 145 MHz Linear Transponder for SSB/CW operation. The project has received major initial funding from the Radio Communications Foundation (RCF) and is expected be developed in collaboration with ISIS-Innovative Solutions in Space BV.

FUNcube is an educational single cubesat project with the goal of enthusing and educating young people about radio, space, physics and electronics.

It will support the educational Science, Technology, Engineering, Maths (STEM) initiatives and provide an additional resource for the GB4FUN Mobile Communications Centre.

The target audience consists of primary and secondary school pupils and FUNcube will feature a 145 MHz telemetry beacon that will provide a strong signal for the pupils to receive.

It is planned to develop a simple receiver board that can be connected to the USB port of a laptop to display telemetry in an interesting way.

The satellite will contain a materials science experiment, from which the school students can receive telemetry data which they can compare to the results they obtained from similar reference experiments in the classroom.

FUNcube is the first cubesat designed to benefit this group and is expected to be the first UK cubesat to reach space.

More details can be found at:

http://www.uk.amsat.org/content/view/696/68/

73
Dave, G4DPZ
AMSAT-UK 1267
AMSAT-NA LM-1260

2658. Re: [eu-amsat] FUNcube a UK Linear Transponder Satellite

Yahoo group: eu-amsat
Date: 2009-07-25 14:44:01 UTC
From: Thomas Frey
Topic: 2657 Message: 2658

g4dpz schrieb:
> More details can be found at:
>
> http://www.uk.amsat.org/content/view/696/68/
>
> 73
> Dave, G4DPZ
> AMSAT-UK 1267
> AMSAT-NA LM-1260
>
>

And on its homepage http://www.funcube.org.uk/

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2659. Interesting.

Yahoo group: eu-amsat
Date: 2009-07-25 15:21:28 UTC
From: John Hackett
Topic: 2657 Message: 2659

Excellent news about FUNCUBE.

However, I'm just a wee bit sceptical about the - (quote) ... "using one of the many
launch opportunities that exist for Cubesat missions" ... (unquote).

Perhaps Graham would like to point EU-Amsat in the general direction of one
of these 'many' launches - since the community currently has 3 satellites
looking for an affordable launch.

I'll be very pleased to pass on this most interesting news to the people
concerned.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: g4dpz@...
Date: Sat, 25 Jul 2009 11:16:59 +0000
Subject: [eu-amsat] FUNcube a UK Linear Transponder Satellite

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AMSAT-UK has announced a new amateur satellite project – FUNcube – that

features a 435 to 145 MHz Linear Transponder for SSB/CW operation. The

project has received major initial funding from the Radio Communications

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More details can be found at:

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73

Dave, G4DPZ

AMSAT-UK 1267

AMSAT-NA LM-1260

2660. AMSAT-UK Presentations Available

Yahoo group: eu-amsat
Date: 2009-07-31 07:27:59 UTC
From: Trevor .
Topic: 2660 Message: 2660

PDF's of the presentations given at this years successful AMSAT-UK International Space Colloquium in Guildford are now available

Among the weekend of fascinating presentations were

Software Defined Radio reception of Satellite Signals by Drew Glasbrenner

European Astronaut Selection and the Mars Pathfinder by ESA Astronaut Dr Andreas Mogense

FUNcube, the new AMSAT-UK linear transponder satellite project by Graham Shirville

Electronics and Teddy Bears: A Near-Space Adventure" by Ed Moore and Fergus Noble, Cambridge University Spaceflight

Engineers Wanted! Tempting Teenagers to Explore Technology by Garry Bulmer, Software Architect

The 18 presentations can be found on the AMSAT-UK website at http://www.uk.amsat.org/component/option,com_wrapper/Itemid,278/

AMSAT-UK publish a colour A4 newsletter, OSCAR News, full of satellite information.

Join AMSAT-UK online at https://secure.amsat.org.uk/subscription/

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

2661. Re: [eu-amsat] AMSAT-UK Presentations Available

Yahoo group: eu-amsat
Date: 2009-07-31 07:50:46 UTC
From: Simon (HB9DRV)
Topic: 2660 Message: 2661

Hi Trevor,

1420-1440 Software Defined Radio reception of Satellite Signals points to
http://www.uk.amsat.org/2009/.pdf

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "Trevor ." m5aka@...

>
> Among the weekend of fascinating presentations were
>
> Software Defined Radio reception of Satellite Signals by Drew Glasbrenner
>

2662. Re : [amsat-bb] Space Shuttle

Yahoo group: eu-amsat
Date: 2009-07-31 23:59:02 UTC
From: lucleblanc6@videotron.ca
Topic: 2662 Message: 2662
Attachments: 1 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

2663. toolbag

Yahoo group: eu-amsat
Date: 2009-08-01 05:45:46 UTC
From: Bratu Florian Gabriel
Topic: 2663 Message: 2663

from Leonard David-
Leonard David Head's up - incoming tool bag! I've been informed by skywatcher Kevin Fetter to keep an eye out for the reentry of that lost-to-space tool bag that was accidentally dropped overboard during International Space Station work activity. Looks like August 3rd is a projected reentry for the tool bag, according to Fetter. I've started notifying Home Depot outlets.

http://www.n2yo.com/?s=33442

2664. Re : [amsat-bb] Space Shuttle

Yahoo group: eu-amsat
Date: 2009-08-01 20:17:06 UTC
From: lucleblanc6@videotron.ca
Topic: 2662 Message: 2664
Attachments: 1 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

2665. Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 08:56:09 UTC
From: John Hackett
Topic: 2665 Message: 2665
Attachments: 1 described; binary payloads are missing from this source WARC

FM ON A LINEAR TRANSPONDER.

An OBSERVATION by LA2QAA & GM1SXX. 0508091500Z.

FM on a 'linear' transponder? ...

Yes, it 'can' be acceptable and here's how and why ...

Two sentences that appear in the FM v LINEAR debate, time and time again are ...

1) We should encourage the 'FM' operators to upgrade to CW/SSB.

2) One *shouldn't* run FM on a linear transponder ... and ...

Take the first sentence ...

It *IS* possible to encourage the use of CW on an FM satellite *WITHOUT* starting WW3.

This article will attempt to explain how, but first ... a few words about the second sentence.

The reason FM on a linear satellite is 'frowned' upon is invariably given as - FM is is a single channel 100% duty cycle mode - and - you will be 'stealing' both power and bandwidth from other users.

In FM voice mode yes, in modulated CW mode not as much!.

FM bandwidth = approx: 5000Hz. SSB = 2800Hz. CW = 800Hz.

FM = constant RMS watts v SSB/CW = PEP - powerwise, vastly different things.

An FM 'carrier' is essentially a NARROWBAND SIGNAL without modulation.

The difference between FM voice and 'FM' CW is ... modulation! In short, CW on an FM rig is AM.

A GENUINE FM satellite like AO-51 can't handle AM. (CW/SSB) It demodulates FM internally and REGENERATES it. It CANT handle AM because it can't resolve an AM/SSB signal... it can only do FM.

However, a LINEAR satellite like VO-52 will forward *anything* it hears because it is a simple frequency shifter (bent pipe) for a block of frequencies and it is LINEAR (any mode). This DOESN'T mean that using FM is acceptable. The two modes arn't really compatible. Sending FM *VOICE* on a linear satellite sends all the wrong signals' to potential newcomers because it causes problems for normal linear users *BUT* ... one can send modulated CW (MCW) on FM and avoid most of the problems one would cause with FM voice on a linear
satellite.

Bear in mind this ...

the available power in a linear transponder is distributed ACROSS the transponder passband. Wideband sigs (assuming everyone is being sensible:-) hog more power than narrowband ones. BIG signals run the batteries down!
With FM, everyone by default runs big signals. 5W FM is more than 5W PEP!

If you run FM on an FM bird, any stronger signal will simply obliterate you. The transponder doesn't care... power consumption is static on FM.

If you run 'normal' levels of FM voice on a LINEAR bird, you obliterate the transponder for everyone else.

Some of the older amateurs have been know to have CW QSO's on FM satellites by keying the PTT on a handheld ... a bit 'chirpy' but it *IS* readable.

A better approach is by feeding a clean keyed carrier into the mic input of an FM rig with an appropriate PTT circuit ... BUT KEEP THE POWER DOWN ... you *DON'T* !!!! need a lot of power on CW and you *SHOULD* have a better aerial than a piece of wet string to receive VO-52's signal.

Contrary to popular belief by certain Hams it is *NOT* forbidden to use FM on VO-52 (aka HAMSAT). This information may be checked by visiting the Amsat-India website where the modes stated are CW/SSB/FM.

Certain areas of the world favour CW/SSB equipment for the LINEAR satellites while others, mainly those trying satellite operating for the first time usually only have FM equipment. VO-52 allows both ! but ... common sense should prevail.

One of the main reasons given for the - 'you MUST use SSB' - argument is that in a lot of the more afluent countries CW/SSB gear is abundant.

Norway is self proclaimed as one of the richest countries in the world but I can assure everyone that there's a definate lack of multimode VHF/UHF equipment here - whereas everybody and his dog has an FM rig ... just like in Australia ... and they too usually have the
odd couple of shillings to rub together.

The argument that is most popular 'AGAINST' the use of FM (voice) on a LINEAR satellite like VO-52 is ... If you use excessive power you could turn the transponder into an FM single channel satellite.

However, as this article tries to explain ... you don't *HAVE* to use excessive power, especially on MCW. In fact, the less power you do use - the more advantagious it is for everybody concerned.

Generally speaking, Highly populated areas like North America and Europe usually use CW/SSB on VO-52 whereas lesser populated areas like India, South East Asia and Australia may use FM ... but by feeding a keyed audio signal to an FM handheld's input (with a suitable PTT system) will allow you to use MCW (modulated carrier wave) ... ie ... carrier keyed on/off. Technically A2A but in effect, the same as A1A.

As previously mentioned, much has been made of the recruiting of potential newcomers to the satellite scene via FM (satellites like VO-51, AO-27 and SO-50) then encouraging the

potential newcomer to 'upgrade' to CW/SSB while waiting for the 'elusive' HEO (High elliptical orbit) satellite that will provide DX contacts.

Use a cheap automatic keyer to feed the audio to your FM rig.

... but I can't copy morse ...

Learn !!!.

...but I don't have a key ...

Modulate the audio input with a code practice oscillator or a miniature keyer like the one described below. As long as the audio is 'clean' (no chirps and burps) it will be fine!. As a radio amateur you should know something about audio filters. If you don't ... again, learn !!!.

Amateurs with a few years of operation under their belts will remember that thise with FM only rigs used ti use the PTT switch as a keyer. It was quite 'chirpy' but it *WAS* copyable and allowed for CW operation in lieu of a multimode transceiver.

PICTURE OF 'spicebox' KEYER HERE).

There are a myriad of miniature electronic keyers available. The one pictured here is built into a spice box and uses 2 x microswitches 'borrowed' from a joystick. There's an RCA female phono for audio output and a potentiometer for controlling the speed and the programmable memories.

We hope this article will give food for thought.

73 John & Al.

LA2QAA & GM1SXX

2666. Re: [eu-amsat] Food for thought. [1 Attachment]

Yahoo group: eu-amsat
Date: 2009-08-05 09:49:21 UTC
From: Thomas Frey
Topic: 2665 Message: 2666

Dear John

Not everyone want to learn the morse code. I have never learned it and
I will not learn it. Are you really a morse preacher, Dear John ? I thought
HAM Radio is global in mind.

Your following article is for the cat or shredder, Sorry.

In general: FM over VO-52 is possible but not agreed.

John Hackett schrieb:
> [Attachment(s) <#TopText> from John Hackett included below]
>
> FM ON A LINEAR TRANSPONDER.
>
> An OBSERVATION by LA2QAA & GM1SXX. 0508091500Z.
>
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> Take the first sentence ...
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>
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>
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>
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> 73 John & Al.
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> LA2QAA & GM1SXX
>
>
>
>
> Attachment(s) from John Hackett
>
> 1 of 1 Photo(s)
>
> Keyer.jpg
> <http://groups.yahoo.com/group/eu-amsat/attachments/folder/2142813170/item/1789173607/vi
ew>
> Keyer.jpg
> <http://groups.yahoo.com/group/eu-amsat/attachments/folder/2142813170/item/1789173607/vi
ew>
>
>

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2667. RE: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 11:35:08 UTC
From: John Hackett
Topic: 2665 Message: 2667

Thomas,
Read the title!!! ... it says FOOD FOR THOUGHT ... yes?.

Nobody asked *YOU* to learn morse code, in fact, nobody asked anybody!
to learn it. It's a free choice. I implied that if you WANT !!!! to transmit CW
but don't know CW ... lean !!!.

That is *NOT* !!! implying that *YOU* or anyone else 'ought' to learn it.

I hope that clears up your obvious misunderstanding.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 5 Aug 2009 11:49:21 +0200
Subject: Re: [eu-amsat] Food for thought.

Dear John

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I will not learn it. Are you really a morse preacher, Dear John ? I thought

HAM Radio is global in mind.

Your following article is for the cat or shredder, Sorry.

In general: FM over VO-52 is possible but not agreed.

John Hackett schrieb:

> [Attachment(s) <#TopText> from John Hackett included below]

>

> FM ON A LINEAR TRANSPONDER.

>

> An OBSERVATION by LA2QAA & GM1SXX. 0508091500Z.

>

> FM on a 'linear' transponder? ...

>

> Yes, it 'can' be acceptable and here's how and why ...

>

> Two sentences that appear in the FM v LINEAR debate, time and time

> again are ...

>

> 1) We should encourage the 'FM' operators to upgrade to CW/SSB.

>

> 2) One *shouldn't* run FM on a linear transponder ... and ...

>

> Take the first sentence ...

>

> It *IS* possible to encourage the use of CW on an FM satellite

> *WITHOUT* starting WW3.

>

> This article will attempt to explain how, but first ... a few words

> about the second sentence.

>

> The reason FM on a linear satellite is 'frowned' upon is invariably

> given as - FM is is a single channel 100% duty cycle mode - and - you

> will be 'stealing' both power and bandwidth from other users.

>

> In FM voice mode yes, in modulated CW mode not as much!.

>

> FM bandwidth = approx: 5000Hz. SSB = 2 800Hz. CW = 800Hz.

>

> FM = constant RMS watts v SSB/CW = PEP - powerwise, vastly different

> things.

>

> An FM 'carrier' is essentially a NARROWBAND SIGNAL without modulation.

>

> The difference between FM voice and 'FM' CW is ... modulation! In

> short, CW on an FM

> rig is AM.

>

> A GENUINE FM satellite like AO-51 can't handle AM. (CW/SSB) It

> demodulates FM internally and REGENERATES it. It CANT handle AM

> because it can't resolve an AM/SSB signal... it can only do FM.

>

> However, a LINEAR satellite like VO-52 will forward *anything* it

> hears because it is a simple frequency shifter (bent pipe) for a block

> of frequencies and it is LINEAR (any mode). This DOESN'T mean that

> using FM is acceptable. The two modes arn't really compatible.

> Sending FM *VOICE* on a linear satellite sends all the wrong signals'

> to potential newcomers because it causes problems for normal linear

> users *BUT* ... one can send modulated CW (MCW) on FM and avoi d most

> of the problems one would cause with FM voice on a linear

> satellite.

>

> Bear in mind this ...

>

> the available power in a linear transponder is distributed ACROSS the

> transponder passband. Wideband sigs (assuming everyone is being

> sensible:-) hog more power than narrowband ones. BIG signals run the

> batteries down!

> With FM, everyone by default runs big signals. 5W FM is more than 5W PEP!

>

> If you run FM on an FM bird, any stronger signal will simply

> obliterate you. The transponder doesn't care... power consumption is

> static on FM.

>

> If you run 'normal' levels of FM voice on a LINEAR bird, you

> obliterate the transponder for everyone else.

>

> Some of the older amateurs have been know to have CW QSO's on FM

> satellites by keying

> the PTT on a handheld ... a bit 'chirpy' but it *IS* readable.

>

> A better approach is by feeding a clean keyed carrier into the mic

> input of an FM rig with an appropriate PTT circuit ... BUT KEEP THE

> POWER DOWN ... you *DON'T* !!!! need a lot of power on CW and you

> *SHOULD* have a better aerial than a piece of wet string to receive

> VO-52's signal.

>

> Contrary to popular belief by certain Hams it is *NOT* forbidden to

> use FM on VO-52

> (aka HAMSAT). This information may be checked by visiting the

> Amsat-India website where the modes stated are CW/SSB/FM.

>

> Certain areas of the world favour CW/SSB equipment for the LINEAR

> satellites while

> others, mainly those trying satellite operating for the first time

> usually only have FM equipment. VO-52 allows both ! but ... common

> sense should prevail.

>

> One of the main reasons given for the - 'you MUST use SSB' - argument

> is that in a lot of

> the more afluent countries CW/SSB gear is abundant.

>

> Norway is self proclaimed as one of the richest countries in the world

> but I can assure everyone that there's a definate lack of multimode

> VHF/UHF equipment here - whereas everybody and his dog has an FM ri g

> ... just like in Australia ... and they too usually have the

> odd couple of shillings to rub together.

>

> The argument that is most popular 'AGAINST' the use of FM (voice) on a

> LINEAR satellite

> like VO-52 is ... If you use excessive power you could turn the

> transponder into an FM single channel satellite.

>

> However, as this article tries to explain ... you don't *HAVE* to use

> excessive power, especially on MCW. In fact, the less power you do use

> - the more advantagious it is for everybody concerned.

>

> Generally speaking, Highly populated areas like North America and

> Europe usually use CW/SSB on VO-52 whereas lesser populated areas like

> India, South East Asia and Australia may use FM ... but by feeding a

> keyed audio signal to an FM handheld's input (with a suitable PTT

> system) will allow you to use MCW (modulated carrier wave) ... ie ...

> carrier keyed on/off.

> Technically A2A but in effect, the same as A1A.

>

> As previously mentioned, much has bee n made of the recruiting of

> potential newcomers to the satellite scene via FM (satellites like

> VO-51, AO-27 and SO-50) then encouraging the potential newcomer to

> 'upgrade' to CW/SSB while waiting for the 'elusive' HEO (High

> elliptical orbit) satellite that will provide DX contacts.

>

> Use a cheap automatic keyer to feed the audio to your FM rig.

>

>

>

> ... but I can't copy morse ...

>

> Learn !!!.

>

> ...but I don't have a key ...

>

> Modulate the audio input with a code practice oscillator or a

> miniature keyer like the one described below. As long as the audio is

> 'clean' (no chirps and burps) it will be fine!. As a radio amateur you

> should know something about audio filters. If you don't ... again,

> learn !!!.

>

> Amateurs with a few years of operation under their belts will remember

> that thise with FM only rigs used ti use the PTT switch as a keyer. It

> was quite 'chirpy' but it *WAS* copyable and allowed for CW operation

> in lieu of a multimode transceiver.

>

> PICTURE OF 'spicebox' KEYER HERE).

>

> There are a myriad of miniature electronic keyers available. The one

> pictured here is built

> into a spice box and uses 2 x microswitches 'borrowed' from a

> joystick. There's an RCA female phono for audio output and a

> potentiometer for controlling the speed and the programmable memories.

>

> We hope this article will give food for thought.

>

> 73 John & Al.

>

> LA2QAA & GM1SXX

>

>

>

>

> Attachment(s) from John Hackett

>

> 1 of 1 Photo(s)

>

> Keyer.jpg

> <http://groups.yahoo.com/group/eu-amsat/attachments/folder/2142813170/item/1789173607/view>

> Keyer.jpg

> <http://groups.yahoo.com/group/eu-amsat/attachments/folder/2142813170/item/1789173607/view>

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2668. My responsibility ... (LA2QAA).

Yahoo group: eu-amsat
Date: 2009-08-05 11:47:56 UTC
From: John Hackett
Topic: 2668 Message: 2668

Hello Folks,
I want to make it perfectly clear that the article I wrote - FM
ON A LINEAR TRANSPONDER is/was entirely my own and that GM1SXX had nothing
to do with it - he is in fact, completely against the idea and warned me that chaos would
abound.

My intention was to offer an idea to help the potential newcomer to upgrade from
FM to LINEAR sastellites.

Judging by the criticism I've already received, a misguided attempt on my part.

Any further criticism should be directed at me and me alone.

73 John. <la2qaa@...>

2669. Re: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 12:12:21 UTC
From: Thomas Frey
Topic: 2665 Message: 2669

John Hackett schrieb:
>
>
> Thomas,
> Read the title!!! ... it says FOOD FOR THOUGHT ... yes?.
>
> Nobody asked *YOU* to learn morse code, in fact, nobody asked anybody!
> to learn it. It's a free choice. I implied that if you WANT !!!! to
> transmit CW
> but don't know CW ... lean !!!.
>
> That is *NOT* !!! implying that *YOU* or anyone else 'ought' to learn it.
>
> I hope that clears up your obvious misunderstanding.
>
> 73 John. <la2qaa@...>
>

OK John, please excuse my misreading. As you knows, English is not my
mother tongue. I understand your article in this way. What is the
intention in short please ?
> ---
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2670. Re: My responsibility ... (LA2QAA).

Yahoo group: eu-amsat
Date: 2009-08-05 12:25:25 UTC
From: Allan Copland
Topic: 2668 Message: 2670

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
> Hello Folks,
I want to make it perfectly clear that the article I wrote - FM
ON A LINEAR TRANSPONDER is/was entirely my own and that GM1SXX had nothing to do with it - he is in fact, completely against the idea and warned me that chaos would abound.

Hi John and the group.

To be fair, I did point out to John in a private email that CW sent from an FM radio by keying ONLY the PTT line would in fact produce a carrier only. This technique has already been tried with reasonable success on the *FM* birds.

An FM transceiver when keyed (and no audio present... microphone input shorted out or mic disconnected) should of course only produce a narrowband unmodulated carrier. The only problem I can find with using an FM radio in this way on a linear transponder is that the synthesizer takes a finite time time to lock up, hence the chirpy note, but in essence it's just a plain carrier with no modulation and therefore should be acceptable to use on a linear bird, so long as excessive power is avoided at all cost. For those who understand how to do this, the idea should be workable but it's important not to have any modulation present on the keyed signal.

Just my 0.1 pence worth on the matter.

Re Morse code. For anyone who can't send and receive CW, then the above is not an option for you. Just ignore it!
The advantages of CW are many, so you can either avoid or embrace it. Your choice completely. One thing I've noticed is that at my local radio club (EARS in Elderslie, Renfrewshire), people seem more interested in ever in learning Morse, now that they are no longer forced to learn it to get a full license. We also have a six year old girl who regularly attends the club with her father and who likes to send and receive Morse code. It's just another game for her, but one she's rather good at. She's pretty good on licensing conditions too, having corrected me twice while on the air! But hey I digress.

73 Al.
GM1SXX

2671. Re: [eu-amsat] My responsibility ... (LA2QAA).

Yahoo group: eu-amsat
Date: 2009-08-05 13:01:18 UTC
From: Thomas Frey
Topic: 2668 Message: 2671

John Hackett schrieb:
>
>
> Hello Folks,
> I want to make it perfectly clear that the article I
> wrote - FM
> ON A LINEAR TRANSPONDER is/was entirely my own and that GM1SXX had
> nothing
> to do with it - he is in fact, completely against the idea and warned
> me that chaos would abound.
>
> My intention was to offer an idea to help the potential newcomer to
> upgrade from
> FM to LINEAR sastellites.
>

The problem of a potential newcomer is the right information:

What do I want ?
How do I do it ?

Our group is a good starting point for questions. If a newcomer buys
a FM HT for the FM repeater satellites, its OK. If he then sees there
is a chaos on AO-51 and he wants to make more QSO's over FO-29 and
VO-52 he goes a step further and buys a new TRX with SSB. Where is the
problem ? Money ? Then he can buy one from eBay or another HAM-platform
on internet. Or he goes to the next fleamarket.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2672. Re: [eu-amsat] Re: My responsibility ... (LA2QAA).

Yahoo group: eu-amsat
Date: 2009-08-05 13:11:05 UTC
From: Thomas Frey
Topic: 2668 Message: 2672

Allan Copland schrieb:
>
> Re Morse code. For anyone who can't send and receive CW, then the above is not an option for you. Just ignore it!
> The advantages of CW are many, so you can either avoid or embrace it. Your choice completely. One thing I've noticed is that at my local radio club (EARS in Elderslie, Renfrewshire), people seem more interested in ever in learning Morse, now that they are no longer forced to learn it to get a full license. We also have a six year old girl who regularly attends the club with her father and who likes to send and receive Morse code. It's just another game for her, but one she's rather good at. She's pretty good on licensing conditions too, having corrected me twice while on the air! But hey I digress.
>
>
> 73 Al.
> GM1SXX
>
>

I would like to clarify, I'm absolutely not against CW operation. I haven't learnd it and I will not learn it. If a six year old girl learn morse code and have fun, this is super. I for one decode the CW-telemetry from the CubeSats with my old PK-232 TNC.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2673. Machines and ears.

Yahoo group: eu-amsat
Date: 2009-08-05 15:04:56 UTC
From: Allan Copland
Topic: 2668 Message: 2673

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> I would like to clarify, I'm absolutely not against CW operation. I
> haven't learnd it and I will not learn it. If a six year old girl
> learn morse code and have fun, this is super. I for one decode the
> CW-telemetry from the CubeSats with my old PK-232 TNC.
>

Hi Thomas and the group.
(with apologies for changing the thread header)

I also have owned and used a PK232 for many years, and although a a very good and useful machine, especially for RTTY, it doesn't cope at all well with weak, poor or distorted signals of any sort. It only works properly with good clean copy.
When John and I were very interested in decoding telemetry data from Oscar7 some years ago, I could hardly copy anything in the noise (by ear) while John (ex signals CW trainer) managed to make excellent sense of the distorted, warbling and weak signals from the bird. With the data we collected, we managed to prove to our satisfaction that many of AO7's systems at that time were functional.

The PK232 would resolve absolutely nothing except complete gibberish from such signals. Amateur radio should be about having fun, learning and self-training and it's sometimes easy to condemn older data modes such as CW as boring or unexciting but the fact remains that CW excels in poor conditions, something I for one believe will assure it's long term future.
IMHO, using machines or softwareis not a good way to try to decode satellite telemetry unless you have rock-solid copy, and with satellites, thats often not the case. In fact I find that MIXW does a better job than the PK232 machine but ears (and the tunable filter between them) work far better still. Thats really why I got interested in CW after many years of resisting it as something I didn't want to be involved in. Although still not my favourite mode, I can readily see the advantages it has over many other modes.

73 Al.
GM1SXX

2674. Re: [eu-amsat] Machines and ears.

Yahoo group: eu-amsat
Date: 2009-08-05 15:40:09 UTC
From: Thomas Frey
Topic: 2668 Message: 2674

Allan Copland schrieb:
>
>
> IMHO, using machines or softwareis not a good way to try to decode satellite telemetry unless you have rock-solid copy, and with satellites, thats often not the case. In fact I find that MIXW does a better job than the PK232 machine but ears (and the tunable filter between them) work far better still. Thats really why I got interested in CW after many years of resisting it as something I didn't want to be involved in. Although still not my favourite mode, I can readily see the advantages it has over many other modes.
>
> 73 Al.
> GM1SXX
>

Hello Al

I found an other intention to decode CW with a TNC. The audio bandwith
from my PK-232 is narrow, so I can evaluate the correct downlink frequency
of any CW-CubeSat and LO-19 with my tracking software. I can see, that the
STARS CubeSats KU and KAI oscillates in their donlink freqs. After a week
the QRG in USB is a few 100 Hz lower or higher.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2675. RE: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 15:56:56 UTC
From: John Hackett
Topic: 2665 Message: 2675

To Thomas and the group,
The intention of the article? ...

I've read several times complaints that there is 'nobody' on the VO-52 transponder. - (Amsat-bb).

My thoughts were thus ... if nobody is using the transponder anyway, it wouldn't be detremental if 2 users with MCW and low power used it.

A lot of the 'FM only' people say that multomode equipment is expensive.

The article was intended to show one possible way of trying CW on a handheld without going to the expense of a multimode rig.

While I *am* an ex: CW instructor and CW aficiondo I have NEVER* forced it down the throat of anyone else -but can't help pointing out that CW is the original 'digital' mode, it uses far less bandwidth than pretty much anything with the exception of PSK31 - (let's not split hairs Gentlemen) - and usually gets through where all else fails.

It doesn't suffer the 'doppler' problem like PSK31 either.

There *IS* a reason it's used for beacons on satellites - commercial ones too.

Ohh yes ... with two experienced operators it's also faster! than two young people with SMS.

Those were my reasons for writing the article Thomas.

73 John. <la2qaa@...g>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 5 Aug 2009 14:12:21 +0200
Subject: Re: [eu-amsat] Food for thought.

John Hackett schrieb:

>

>

> Thomas,

> Read the title!!! ... it says FOOD FOR THOUGHT ... yes?.

>

> Nobody asked *YOU* to learn morse code, in fact, nobody asked anybody!

> to learn it. It's a free choice. I implied that if you WANT !!!! to

> transmit CW

> but don't know CW ... lean !!!.

>

> That is *NOT* !!! implying that *YOU* or anyone else 'ought' to learn it.

>

> I hope that clears up your obvious misunderstanding.

>

> 73 John. <la2qaa@...>

>

OK John, please excuse my misreading. As you knows, English is not my

mother tongue. I understand your article in this way. What is the

intention in short please ?

> ----------

>

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2676. Re: My Responsibility.... (LA2QAA)

Yahoo group: eu-amsat
Date: 2009-08-05 16:04:13 UTC
From: WILLIAMS MICHAEL
Topic: 2676 Message: 2676

John:

As usual, your posts are interesting and well worth my time to read them.

All the best from Indiana.

TU,

Mike (K9QHO)

2677. Beethoven's 5th ... (dit, dit, dit, DAH!).

Yahoo group: eu-amsat
Date: 2009-08-05 16:19:56 UTC
From: John Hackett
Topic: 2677 Message: 2677

Hello Folks,
I can't resist! commenting on GM1SXX's ...

> ... ears (and the tunable filter between them) -

I can assure you, when all manner of 'machines' throw in the towel while copying CW, a trained operator (human) will just carry on regardless. His built-in 'filter' (the grey matter between his/her ears) just autotunes itself.

In the signals, while teaching new operators we had a bank of tunable oscilators connected to the training apparatus so that we could superimpose 'atmospheric disturbances' on top of the signal.

Faling to get 98% copy in the 'QRM' resulted in a sharp rap across the knucles with a steel rule ... F ... (dir, dit, dah, dit) - "DID IT HURT YOU?" ... nobody ever forgot the letter F after that.

Q = Here comes the bride ... (dah, dah, dit, dah)

V = Beethoven's 5th ... (dit, dit, dit, DAH!)

Keeping the 'squaddies' interested was the key success.

Of course, these days, a rap across the knuckles would have the soldier abuse people wetting themselves.

73 John. <la2qaa@...>

2678. Re: Machines and ears.

Yahoo group: eu-amsat
Date: 2009-08-05 16:25:06 UTC
From: Allan Copland
Topic: 2668 Message: 2678

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Hello Al
>
> I found an other intention to decode CW with a TNC. The audio bandwith
> from my PK-232 is narrow, so I can evaluate the correct downlink frequency
> of any CW-CubeSat and LO-19 with my tracking software. I can see, that the
> STARS CubeSats KU and KAI oscillates in their donlink freqs. After a week
> the QRG in USB is a few 100 Hz lower or higher.

An interesting observation Thomas. Perhaps caused by heating and cooling of the onboard crystal reference oscillator.

Some other satellites also drift a little in frequency over time and I suspect that changing thermal conditions within the crystal oscillators are responsible. I don't know of any birds that use crystal ovens, probably because they are rather power-hungry.
Even the Murata PTC crystal heat-clips used by some experimenters consume quite a bit of electrical power. Too hungry for a CUBESAT.

I would encourage anyone with the means to measure frequency drift accurately to contribute their findings re satellite beacon frequency drifting.

73 Al.
GM1SXX

2679. RE: [eu-amsat] Re: My Responsibility.... (LA2QAA)

Yahoo group: eu-amsat
Date: 2009-08-05 16:26:13 UTC
From: John Hackett
Topic: 2676 Message: 2679

Well thank you!! Mike,
That's really nice of you to say so. I appreciate it.

Have a good day now.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: k9qho6762@...
Date: Wed, 5 Aug 2009 09:04:13 -0700
Subject: [eu-amsat] Re: My Responsibility.... (LA2QAA)

John:

As usual, your posts are interesting and well worth my time to read them.

All the best from Indiana.

TU,

Mike (K9QHO)

2680. RE: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 16:38:04 UTC
From: Luc Leblanc
Topic: 2665 Message: 2680

On 5 Aug 2009 at 17:56, John Hackett wrote:

>
> To Thomas and the group,
> The intention of the article? ...
>
> I've read several times complaints that there is 'nobody' on the VO-52
> transponder. - (Amsat-bb).
>
> My thoughts were thus ... if nobody is using the transponder anyway,
> it wouldn't be detremental if 2 users with MCW and low power used it.
>
> A lot of the 'FM only' people say that multomode equipment is expensive.
>
> The article was intended to show one possible way of trying CW on a
> handheld without going to the expense of a multimode rig.
>

As far i can remember the purpose of having VO-52 uplink on UHF was about a lack of UHF all mode TX rig availaibility in indian and some
Asian area. I was told also VO-52 FM operation is not uncommon over theses area. For the CW over an FM sat it is not a big problem but the
sharing system should always be taken in account. I for one "probably" test the first DSTAR transmission on AO-51 in a period where nobody
was on the satellite and i got a message back stating i should ask for a "DSTAR" slot time as it can messed up with other users? How i can
messed up with other users when nobody is using the satellite?

Another AMSAT-NA logic defying the normal logic
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2681. RE: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 17:07:05 UTC
From: John Hackett
Topic: 2665 Message: 2681

Hello Luc,
Yes, I remember very well your D-Star post ... and the rather
'amusing' (negative) reply from Amsat.

In principle, my MCW suggestion was exactly the same, why all the hue
and cry about MCW on VO-52 if nobody is using the transponder anyway?.

It is my belief that most amateurs are responsible enough to be able to
determine whether to use the mode - or not - depending on transponder
activity.

Maybe you should have just done it Luc ... I seriously doubt if anyone had
even realised/known about it.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 5 Aug 2009 12:38:04 -0400
Subject: RE: [eu-amsat] Food for thought.

On 5 Aug 2009 at 17:56, John Hackett wrote:

>

> To Thomas and the group,

> The intention of the article? ...

>

> I've read several times complaints that there is 'nobody' on the VO-52

> transponder. - (Amsat-bb).

>

> My thoughts were thus ... if nobody is using the transponder anyway,

> it wouldn't be detremental if 2 users with MCW and low power used it.

>

> A lot of the 'FM only' people say that multomode equipment is expensive.

>

> The article was intended to show one possible way of trying CW on a

> handheld without going to the expense of a multimode rig.

>

As far i can remember the purpose of having VO-52 uplink on UHF was about a lack of UHF all mode TX rig availaibility in indian and some

Asian area. I was told also VO-52 FM operation is not uncommon over theses area. For the CW over an FM sat it is not a big problem but the

sharing system should always be taken in account. I for one "probably" test the first DSTAR transmission on AO-51 in a period where nobody

was on the satellite and i got a message back stating i should ask for a "DSTAR" slot time as it can messed up with other users? How i can

messed up with other users when nobody is using the satellite?

Another AMSAT-NA logic defying the normal logic

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

2682. Re: [eu-amsat] Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-05 20:56:39 UTC
From: Thomas Frey
Topic: 2665 Message: 2682

Hello John and group

An other (financial) solution for more linear satellite operation
could be DSP. Look at http://www.tapr.org/dsp.html

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2683. AMSAT-UK Colloquium Videos

Yahoo group: eu-amsat
Date: 2009-08-05 20:57:14 UTC
From: Trevor .
Topic: 2683 Message: 2683

The videos of the presentations at this years successful AMSAT-UK Colloquium in Guildford are now available to watch
on the British Amateur Television Club (BATC) website

Among the fascinating video presentations are:

- FUNcube, the new AMSAT-UK linear transponder satellite project By Graham Shirville G3VZV
- AMSAT-NA Update By Drew Glasbrenner KO4MA
- AMSAT-DL Update By Peter Guelzow DB2OS
- Electronics and Teddy Bears: A Near-Space Adventure" By Ed Moore M0TEK and Fergus Noble M0NBL, Cambridge University Spaceflight
- Engineers Wanted! Tempting Teenagers to Explore Technology By Garry Bulmer, Software Architect
- Medium Earth Orbits By David Bowman G0MRF

All 18 videos can be seen at http://www.batc.tv/
Click on the "Film Archive" icon on the left to see all the videos available then select the video you wish to see (they start with 2009 AMSAT)
To see the video full screen click on the icon at the bottom of the video player.

PDFs of the slides from the presentations can be found on the AMSAT-UK website at
http://www.uk.amsat.org/component/option,com_wrapper/Itemid,278/

Thanks to the BATC for recording and editing the videos (a time consuming job) as well providing this invaluable video service at batc.tv for the Amateur Satellite community.

AMSAT-UK publish a colour A4 newsletter, OSCAR News, full of satellite information. You can join online at the new URL of
https://secure.amsat.org.uk/subs_form/

AMSAT-UK http://www.uk.amsat.org/

73 Trevor M5AKA
Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/

2684. Re: [amsat-bb] Re: Fwd: Launch your own satellite for only eight grand

Yahoo group: eu-amsat
Date: 2009-08-06 01:15:53 UTC
From: Luc Leblanc
Topic: 2684 Message: 2684

```
> >
> > Not that professionals will be allowed to buy TubeSats: "The listed
> > price is not valid for military, governmental, or large corporate
> > entities. Members of these organizations should contact Interorbital
> > Systems if interested in purchasing a TubeSat".
> >
```

You remember me couples of post ago when i said AMSAT-NA is watching the train passing!!!

The train whistle is doppler shifting low.

But who cares some are still sending their money in the wishing well?

This post has been also posted to eu-amsat@yahoogroups.com a free uncensored true amateur satellite bulletin board

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2685. Re: Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-06 09:08:45 UTC
From: Allan Copland
Topic: 2665 Message: 2685

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> An other (financial) solution for more linear satellite operation
> could be DSP. Look at http://www.tapr.org/dsp.html
>
Very true Thomas. In fact Howard G6LVB has been doing exactly that, having designed a DSP IF system for satellite use (STELLA) in conjunction with other hardware from Sam Jewell G4DDK abd David Bowman G0MRF, and I'm sure others from AMSAT-UK.
More at..
http://www.g6lvb.com/Articles/STELLA/index.htm

I don't think any of this stuff will fit a CUBESAT through, but it could provide an effective DSP based IF system and LEILA as a software based system for larger birds. Both ATMEL and MICROCHIP make DSP capable embedded CPU's.

I suspect that a cut-down version could be used in a CUBESAT because these dedicated CMOS CPU's are quite power efficient.

73 Al.
GM1SXX

2686. Re: [eu-amsat] Re: Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-06 10:25:11 UTC
From: Thomas Frey
Topic: 2665 Message: 2686

Allan Copland schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>
>> An other (financial) solution for more linear satellite operation
>> could be DSP. Look at http://www.tapr.org/dsp.html
>>
>>
> Very true Thomas. In fact Howard G6LVB has been doing exactly that, having designed a DSP IF system for satellite use (STELLA) in conjunction with other hardware from Sam Jewell G4DDK abd David Bowman G0MRF, and I'm sure others from AMSAT-UK.
> More at..
> http://www.g6lvb.com/Articles/STELLA/index.htm
>
> I don't think any of this stuff will fit a CUBESAT through, but it could provide an effective DSP based IF system and LEILA as a software based system for larger birds. Both ATMEL and MICROCHIP make DSP capable embedded CPU's.
>
> I suspect that a cut-down version could be used in a CUBESAT because these dedicated CMOS CPU's are quite power efficient.
>
> 73 Al.
> GM1SXX
>
>

Hello Al

I meant a DSP-TRX in my shack, not on the satellite. But you brought me to an idea: Why not use such a DSP-transceiver like STELLA on the ground ? You have only to reverse the frequency-bands and it will work as groundstation and is cheaper than a high-tech multi-mode Icom or Yeasu "machine".

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2687. Re: [eu-amsat] Re: Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-06 20:43:24 UTC
From: Trevor .
Topic: 2665 Message: 2687

--- On Thu, 6/8/09, Allan Copland <allan_gm1sxx@...> wrote:
> Very true Thomas. In fact Howard G6LVB has been doing exactly that,
> having designed a DSP IF system for satellite use (STELLA) in
> conjunction with other hardware from Sam Jewell G4DDK abd
> David Bowman G0MRF, and I'm sure others from AMSAT-UK.
...
> I don't think any of this stuff will fit a CUBESAT through,
> but it could provide an effective DSP based IF system and LEILA
> as a software based system for larger birds. Both ATMEL and
> MICROCHIP make DSP capable embedded CPU's.

Howard first demonstrated his STELLA 435/145 MHz transponder at the AMSAT-UK Colloquium in July 2005 and also gave a follow-up presentation in 2006:
http://www.southgatearc.org/news/july2006/crossband_linear_transponder.htm

The main drawback of this approach is the power consumption. I understand that the version being developed for P3E will consume 1-2 watts. Not a problem for P3E but a major drawback for a 1U Cubesat.

I gather a varient has been developed that only consumes 300 mW but even that would be outside the power budget of a 1U Cubesat, but could be feasable for a 3U Cubesat.

73 Trevor M5AKA

2688. Re: [eu-amsat] Re: Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-07 10:19:01 UTC
From: Thomas Frey
Topic: 2665 Message: 2688

Trevor . schrieb:
> --- On Thu, 6/8/09, Allan Copland <allan_gm1sxx@...> wrote:
>
>> Very true Thomas. In fact Howard G6LVB has been doing exactly that,
>> having designed a DSP IF system for satellite use (STELLA) in
>> conjunction with other hardware from Sam Jewell G4DDK abd
>> David Bowman G0MRF, and I'm sure others from AMSAT-UK.
>>
> ...
>
>> I don't think any of this stuff will fit a CUBESAT through,
>> but it could provide an effective DSP based IF system and LEILA
>> as a software based system for larger birds. Both ATMEL and
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>>
>
> Howard first demonstrated his STELLA 435/145 MHz transponder at the AMSAT-UK Colloquium in July 2005 and also gave a follow-up presentation in 2006:
> http://www.southgatearc.org/news/july2006/crossband_linear_transponder.htm
>
> The main drawback of this approach is the power consumption. I understand that the version being developed for P3E will consume 1-2 watts. Not a problem for P3E but a major drawback for a 1U Cubesat.
>
> I gather a varient has been developed that only consumes 300 mW but even that would be outside the power budget of a 1U Cubesat, but could be feasable for a 3U Cubesat.
>
> 73 Trevor M5AKA
>
>

Hello All

My idea is to produce a VHF/UHF DSP-TRX for the groundstation, see my previous mail. But I'm not a DSP-freak or technician to produce such a kit. Or to transform STELLA into "STELLA 4 ground".

Johns orginally intention was to lower the costs in the shack for more lineartransponder traffic. This is a way to do it. I had only the idea. I'm not the only one, see http://www.qsl.net/amsat-dsp-radio/

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2689. Re: Food for thought.

Yahoo group: eu-amsat
Date: 2009-08-07 12:39:51 UTC
From: Allan Copland
Topic: 2665 Message: 2689

Hi Group.

My own thoughts are that DSP onboard a satellite could lead to all sorts of advantages ... and a few disadvantages.

Advantages.
1) LEILA in software.
2) Active filtering of poor signals
Disadvantages
1) Added complexity = yet another failure mode, unless the DSP can be switched out of the signal path under ground control.
2) Additional power requirement.

I don't know if RAD-HARD DSP solutions exist. On the ground, some will favour DSP based radio systems, but I suspect the potential market for satellite DSP radios will be small and any solutions will not be cost-effective enough for widespread use. Not everyone is a fan of DSP radios. I'm certainly not. YMMV.

73 Al.
GM1SXX

2690. Re: [sarex] Re: Lets go back to simplex voice

Yahoo group: eu-amsat
Date: 2009-08-11 05:40:11 UTC
From: Luc Leblanc
Topic: 2690 Message: 2690

On 11 Aug 2009 at 0:24, Roger Kolakowski wrote:

> Entirely possible...they don't seem as much interested in Amateur radio as
> they used to be...
>
> Roger
> WA1KAT
>

It is not a new fact very few has been active the exception was Valery Korzun and the space tourists. Could be the ISS repeater
configuration can be put in service as the signal is very strong and it will be a great newbie sat? The SSTV sessions seems to be always
short sessions up to the batteries life!

A great amateur radio space assets who can be much more useful if it was just put in the repeater mode. +- The ARISS contact session
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2691. FUNcube on Front Cover of Electronics Weekly magazine

Yahoo group: eu-amsat
Date: 2009-08-11 21:02:43 UTC
From: Trevor .
Topic: 2691 Message: 2691

AMSAT-UK's FUNcube satellite project features on the front cover of the August 12-18 edition of Electronics Weekly magazine

The printed edition of the magazine will be dropping through letterboxes during Wednesday morning and you can read the digital version of Electronics Weekly magazine online or download the pages in PDF format at

http://cde.cerosmedia.com/1D4a803d8814a11352.cde

The full FUNcube article titled 'Bringing FUN back to the classroom' by Steve Bush is on page 8 and contains an interview with Graham Shirville G3VZV.

FUNcube is an educational single cubesat project with the goal of enthusing and educating young people about radio, space, physics and electronics. It has received major initial funding from the Radio Communications Foundation (RCF).

It will support the educational Science, Technology, Engineering, Maths (STEM) initiatives and provide an additional resource for the GB4FUN Mobile Communications Centre.

The target audience consists of primary and secondary school pupils and FUNcube will feature a 145 MHz telemetry beacon that will provide a strong signal for the pupils to receive.

It is planned to develop a simple receiver board that can be connected to the USB port of a laptop to display telemetry in an interesting way.

The satellite will contain a materials science experiment, from which the school students can receive telemetry data which they can compare to the results they obtained from similar reference experiments in the classroom.

FUNcube will carry a UHF to VHF linear transponder that will have up to 1 watt and which can be used by Radio Amateurs worldwide for SSB and CW communications. Measuring just 10 * 10 * 10 cm, and with a mass of less than 1kg, it will be the smallest ever satellite to carry a linear transponder and the choice of frequencies will enable Radio Amateurs to use their existing VO-52 or DO-64 station.

A key feature of the satellite is the absence of an On-Board Computer. For reliability and maximum power efficiency, the design has been kept as straight-forward as possible with satellite control being achieved using simple commands.

FUNcube contact: Graham Shirville G3VZV Tel: +44 (0)7713 665725

Electronics Weekly Magazine
http://www.electronicsweekly.com/

Radio Communications Foundation
http://www.commsfoundation.org/

GB4FUN
http://www.gb4fun.org.uk/

AMSAT-UK
http://www.uk.amsat.org/

FUNcube a UK Linear Transponder Satellite
http://www.southgatearc.org/news/july2009/funcube.htm

AMSAT-UK Space Colloquium videos
http://www.southgatearc.org/news/august2009/amsat_colloquium_videos.htm

AMSAT-UK publish a colour A4 newsletter, OSCAR News, full of satellite information.
You can join online at https://secure.amsat.org.uk/subs_form/
---
73 Trevor M5AKA

2692. Re: [amsat-bb] AO-7 mode B

Yahoo group: eu-amsat
Date: 2009-08-15 03:05:57 UTC
From: Luc Leblanc
Topic: 2692 Message: 2692

Sorry for the AMSAT-NA readers but Paul KB5MU the official AMSAT-NA censor chief is probably too busy to post this AMSAT-NA message that i
sent at 1105 August 14 2009.

If this one can be of any help for his poor soul...

http://www.youtube.com/watch?v=-acR8E90fBM

On 14 Aug 2009 at 11:05, amsat-bb@... wrote:

On 14 Aug 2009 at 3:05, Roland Zurmely wrote:

> Here is an audio recording from QSO with Andre ZS2BK, distance = 6890 km !
>
> http://www.qsl.net/py4zbz/satelite/ZS2BK_AO7.wav
>
> Only 2 element Yagi on VHF and 6 el on UHF:
>
> http://www.qsl.net/py4zbz/satelite.htm#owa6
>
> 73 de Roland PY4ZBZ
>
>
>
As the earth circumference shrink towards the poles the same satellite footprint will cover more distance. This does not diminish this
quite impressive edge QSO. I was also making one of FO-29 with Domenico I8CVS last year and it was below 5 degree. Some have reported
having hard time with DX QSO'S due to their location on the planet i think the south pacific Australia and New Zeland region is the less
favourable spot as they are surrounded by oceans and the south pole.

Could be i'm wrong here if you know the worse place to be on earth for an amateur satellite operator just mention it? (Poles excluded)

P.S. For those who come after AO-40 this was one of the explanations why an HEO is the ultimate goal for an amateur satellite operator. As
P3E is one of our last card to play for an HEO it will be also the last chance for a lot of us who will probably not be able to see it
happen in their life time. As i ever said aging is a sickness and when your weekly pills bills became higher than your supermarket food
bill this will tell you that you are old.:(
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2693. Re: [amsat-bb] AO-7 mode B

Yahoo group: eu-amsat
Date: 2009-08-15 11:32:27 UTC
From: Allan Copland
Topic: 2692 Message: 2693

Hi Folks,

Quote from this thread....

"As the earth circumference shrink towards the poles the same satellite footprint will cover more distance."

This *sounds* like an informed statement.
Lets examine it in a little detail.

It's simply not true... neither half of the statement, no matter how you consider it.
Sorry, but it's total rubbish in fact.

The circumference of the earth around the equator is around 40,075.16 kilometers or if you measure through the poles, it's about 40,008 kms. It's like a beach ball with a slight bulge near the Equator.
The circumference to most intents and purposes is pretty darned constant.

So, the Earth's circumference is simply a number, around 40,000,000 metres, give or take... unless you are concerned about the little bit of an equatorial 'bulge' is has, like all other planets have.

Many satellite tracking software uses the ratio of 1/298 for the bulge's ratio. I'll leave you to decide if that's accurate or not.
Either way, it's a *small* bulge in relative terms.

The Earth is an ellipsoid, and not a perfect sphere. It has a bit of 'middle-age spread'... only joking!

Still with us?

Now, did it mean the Earth's radius (half the diameter), rather than the circumference? It doesn't alter much either, because they are related quantities. It's a little bigger East-West than North South, as mentioned above... because of the aforesaid bulge at the Equator.

"As the earth circumference shrink towards the poles"... not true
Thats the first half of the sentence dispensed with!

Take part2 of the quote now....

"the same satellite footprint will cover more distance." Also not true.

AO7 like most amateur satellites is in a near-circular orbit.

So for LEO birds, satellite footprints stay pretty much the same no matter where you are on the Earth, either polar , temperate areas, deserts, oceans or equatorial.

The footprint of a LEO is pretty static in terms of area, and the distance travelled by a bird over the Earth's surface per unit of time is likewise pretty constant.

The only thing that changes the size of a satellite's footprint is orbital altitude. A bird in a higher orbit sees more land area than one in a lower orbit. Simple! Molniyas are a bit unusual, but AO7 is not in a Molniya (Lightning) orbit. It's in a near-circular one.

Thats part 2 shot to pieces!

I'm certainly confused over what "As the earth circumference shrink towards the poles the same satellite footprint will cover more distance" might mean!

Still, it caused me to think, and thats a good thing, isn't it?
Amateur radios *is* intended to be a technical hobby after all :-)

Some people really do talk a load of old cobblers!
The problem for me is that others may believe it, because it's been written and presented on the WWW.

I see examples of this sort of thing all the time on the AMSAT-BB, especially with regard to antennas and pointing accuracy.
All I have to say is be careful what you believe in! There's a lot of rubbish out there.

73 Al.
GM1SXX

2694. PE1RAH Picoponder news.

Yahoo group: eu-amsat
Date: 2009-08-15 13:08:34 UTC
From: Allan Copland
Topic: 2694 Message: 2694

Hi group.

William PE1RAH has developed a CUBESAT scaled U/V picoponder and I've made a web sub-domain to collect and display information on this transponder, with a view to expanding the quantity of information available, when he returns from his field trip to Japan. I hope to add a lot of new material in due course.

You can see what's available to date at...
www.pe1rah.observations.biz

This archive includes movies available on Youtube, but they will download faster from here.

Vy 73,
Al.
GM1SXX

2695. Nit picking or myth busting ? ... depends on your point of view.

Yahoo group: eu-amsat
Date: 2009-08-15 20:45:23 UTC
From: John Hackett
Topic: 2695 Message: 2695

Group,
As an AO-7 afficiondo of many years, I read with interest the following sentence from ELECTRONICS WEEKLY in regard to Amsat-UK's proposed FUNCUBE.

Quote.

UK radio amateurs put together Oscar 7, which is still operating after 27 years in orbit.

End of quote.

Actually, AO-7 was put together by a group of amateurs from Germany, Canada, The United States and Australia.

Amsat-DL were responsible for the mode-B transponder, The Codestore unit was/is Canadian. The RTTY telemetry was provided by an Australian group and the mode-S beacon (which was never switched on) was provided by The San Bernardino Microwave Society (California).

My information did *NOT* come from Amsat, it came *DIRECTLY* from Jan King, the AO-7 project manager, to myself and GM1SXX.

As I mentioned once before, some of the the information published in the 1974 Amsat Newsletter is *NOT* correct either. Hardware changes were made while the newsletter was going to press.

Myself and GM1SXX deduced and confirmed this by live telemetry collection several years ago and subsequently contacted Jan King directly.

My point?. It would be an advantage if Amsat-NA and Amsat-UK were to check the information they endorse *BEFORE* publication because false information *WILL* come back and bite them in the bum.

As a point of interest, I still have the original codes for commanding AO-7 but together with the other stations concerned it was decided that an attempt to command the satellite now, with the electronicsin the state they are, might well
do more harm than good ... so we drcided to leave well alone - based on the assumtion that half a satellite (sunlit only) is better than none.

73 John. <la2qaa@...>

NB.

AO-7 has now been in orbit for over 35 years, not 27. (It was launched on November the 15th, 1974).

2009 minus 1974 = 27 ???? ... but hey!, what's an 8 year error among friends? ... it's only 'education' ... with a bit of misinformation thrown in.

2696. Re: [eu-amsat] Re: [amsat-bb] AO-7 mode B

Yahoo group: eu-amsat
Date: 2009-08-16 17:06:27 UTC
From: Luc Leblanc
Topic: 2692 Message: 2696

On 15 Aug 2009 at 11:32, Allan Copland wrote:

> Hi Folks,
>
> Quote from this thread....
>
> "As the earth circumference shrink towards the poles the same satellite footprint will cover more distance."
>
> This *sounds* like an informed statement.
> Lets examine it in a little detail.
>
> It's simply not true... neither half of the statement, no matter how you consider it. Sorry, but it's total rubbish in fact.

Not true? could be! but if i take a 5000 km satellite path at the equator it's cover about 70 latitude degrees about 19% of the total
earth circumference measured at the equator. At the polar circle limit around 67deg of latitude for the same 5000km satellite path will
cover near 180 latitude degrees 50% of the polar circle earth circumference measured at 67deg of latitude making possible an other side of
the world contact.

If i want to have a WAC certificate on the leo's and if my last continent is on the more than 180 degrees point from my location at the
equator i will probably never be able to reach it but if my location is at a latitude of 67degres the same 180 degrees will make this other
continent available. (Assuming the two distant point are on the same latitude)

When i wrote " the same satellite footprint will cover more distance" that's i was meaning at the equator a 5000 km radius cover about 19%
of the earth circumference and at the polar circle about 180 degrees. Could be i should have wrote cover more polar circle degrees than
equatorial degrees? but the essence of my tread was "Some have reported having hard time with DX QSO'S due to their location on the planet
i think the south pacific Australia and New Zeland region is the less favourable spot as they are surrounded by oceans and the south pole."
And we all know the south solar pole is not covering a lot of counties.

Also i also wrote "This does not diminish this quite impressive edge QSO" meaning it is not related to the point to point distance but to
the two points location on the planet again "due to their location on the planet"

That's how you should consider it.. just interpreting it in the first place as WW lies is also as counter productive " as some people
really do talk a load of old cobblers! The problem for me is that others may believe it,

because it's been written and
presented on the WWW." Could be asking for an explanation before telling some are telling lies will be more useful and you are right it is
this exact AMSAT-BB trend i fight for asking to have sound written guide-lines.

When you wrote "I'm certainly confused over what "As the earth circumference shrink towards the
poles the same satellite footprint will cover more distance might mean!" could be asking for explanations should be attempted in the first
place.

I am used to received "various commenting..." it is not all the readers who will be reluctant to propose and posted their ideas even if
they are not right. There is always a way to politely responding to others comments. It was one of the main problem when i start to get
involved on AMSAT-BB a lack of understanding toward those new-comers where some "senior" operators always answers back to them in a quite
rude way making them feeling cheap and twitts where they are only trying to tell what they understand.

The way you proposed your ideas Al will not be a great incentive for those who want to joigned EU AMSAT and i try as often as possible to
promote it.

Sincerely

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2697. Re: [eu-amsat] Re: [amsat-bb] AO-7 mode B

Yahoo group: eu-amsat
Date: 2009-08-16 18:13:21 UTC
From: Thomas Frey
Topic: 2692 Message: 2697

Luc, take a Mercator card of the world and check your predications again.

Luc Leblanc schrieb:
> On 15 Aug 2009 at 11:32, Allan Copland wrote:
>
>
>> Hi Folks,
>>
>> Quote from this thread....
>>
>> "As the earth circumference shrink towards the poles the same satellite footprint will cover more distance."
>>
>> This *sounds* like an informed statement.
>> Lets examine it in a little detail.
>>
>> It's simply not true... neither half of the statement, no matter how you consider it. Sorry, but it's total rubbish in fact.
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>
> Not true? could be! but if i take a 5000 km satellite path at the equator it's cover about 70 latitude degrees about 19% of the total
> earth circumference measured at the equator. At the polar circle limit around 67deg of latitude for the same 5000km satellite path will
> cover near 180 latitude degrees 50% of the polar circle earth circumference measured at 67deg of latitude making possible an other side of
> the world contact.
>
> If i want to have a WAC certificate on the leo's and if my last continent is on the more than 180 degrees point from my location at the
> equator i will probably never be able to reach it but if my location is at a latitude of 67degres the same 180 degrees will make this other
> continent available. (Assuming the two distant point are on the same latitude)
>
>
> When i wrote " the same satellite footprint will cover more distance" that's i was meaning at the equator a 5000 km radius cover about 19%
> of the earth circumference and at the polar circle about 180 degrees. Could be i should have wrote cover more polar circle degrees than
> equatorial degrees? but the essence of my tread was "Some have reported having hard time with DX QSO'S due to their location on the planet
> i think the south pacific Australia and New Zeland region is the less favourable spot as they are surrounded by oceans and the south pole."
> And we all know the south solar pole is not covering a lot of counties.
>

> Also i also wrote "This does not diminish this quite impressive edge QSO" meaning it is not related to the point to point distance but to
> the two points location on the planet again "due to their location on the planet"
>
> That's how you should consider it.. just interpreting it in the first place as WW lies is also as counter productive " as some people
> really do talk a load of old cobblers! The problem for me is that others may believe it, because it's been written and
> presented on the WWW." Could be asking for an explanation before telling some are telling lies will be more useful and you are right it is
> this exact AMSAT-BB trend i fight for asking to have sound written guide-lines.
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> When you wrote "I'm certainly confused over what "As the earth circumference shrink towards the
> poles the same satellite footprint will cover more distance might mean!" could be asking for explanations should be attempted in the first
> place.
>
> I am used to received "various commenting..." it is not all the readers who will be reluctant to propose and posted their ideas even if
> they are not right. There is always a way to politely responding to others comments. It was one of the main problem when i start to get
> involved on AMSAT-BB a lack of understanding toward those new-comers where some "senior" operators always answers back to them in a quite
> rude way making them feeling cheap and twitts where they are only trying to tell what they understand.
>
> The way you proposed your ideas Al will not be a great incentive for those who want to joigned EU AMSAT and i try as often as possible to
> promote it.
>
> Sincerely
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> WAC BASIC CW PHONE SATELLITE
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>
> Yahoo! Groups Links
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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2698. Re: [amsat-bb] AO-7 mode B

Yahoo group: eu-amsat
Date: 2009-08-16 20:17:20 UTC
From: Allan Copland
Topic: 2692 Message: 2698

Hi Group.

Let me clarify what I was trying to point out.

1) A satellite such as Oscar-7 in near-circular LEO has a virtually constant sized footprint... **no matter where it is*** above the Earth's surface.

2) The Earth's circumference for all intents and purposes is constant... but see #3!

3) The Earth has a *slight* equatorial bulge... and I mean slight!

4) The statement... "As the earth circumference shrink towards the poles the same satellite footprint will cover more distance."
...still makes no sense whatsoever.

In the inrterest of informing or educating people, the above statement (number 4) is just meaningless disinformation.

Thomas has hit the nail on the head by pointing to Mercator projection. Thanks Thomas, for pointing that out.

mercator is the basis of most commonly available maps... but other projections also exist).
Mercator is the projection that most people
know but like ALL projections, it has flaws.

The Mercator projection system projects a sphere onto a rectangular format, a cylindrical projection. As a result, gross distortions are introduced at the North and South extremes of the projection.
Perhaps this is where some of the confusion lies.

With Polar maps (remember those?) the main distortions tend toward equatorial.

See ...
http://en.wikipedia.org/wiki/Mercator_projection

But I'm sure most of the readers are aware of this anyway... hopefully? It's taught at school.. hopefully? At least it was when I was there. I have to confess to not attending school since the 70's, but even then I was taught that you can't map a sphere to a rectangle without serious compromise!

Mercator projection is only one of several ways that maps may be presented. There are others. and of course anyone who has used tracking software will have used at least one of them. Polar and Equidistant projection seem to be the favourites.

Remember the polar projection maps in 'The Satellite Experimenter's Handbook', used with the Oscarlocator and printed tables? Those are Polar oriented rather than equator oriented. The polar regions look very small on those maps! Antarctica is no longer so huge as on mercator maps.

Equidistant projection is often used in satellite trscking software as an altermative to mercator. For various reasons, it's easier to use. There are many other types of map projection available.

See http://en.wikipedia.org/wiki/Map_projection

for more info on various sorts of map projections.

For the real techies among the readers, please excuse my grossly over-simplified descriptions of map projections :-)

73 Al.
GM1SXX

2699. Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 01:59:54 UTC
From: Luc Leblanc
Topic: 2699 Message: 2699

I just have one arrow in my basement that i was planning to bring at the summer condo in Fort Myers beach but as usual the day before
leaving (read the night before) i was testing it to only discover that i was hearing near nothing and the same results has been confirm at
the last field day!

As i'm a bit concern with antennas i never see any specs or instructions with my arrow stating that i have or should "TUNE" this antenna???

Is it a magical Wizard of Oz antenna where Tin Can is already factory tuned? I have to admit that i never pass the magical antenna to the
bird and i'm feeling it is probably something that i overlooked under the impression it was a Wizard of Oz magical antenna.

Some had try to copy it : http://www.g6lvb.com/HomebrewArrow.htm and they don't succeed it is the proof of the magic around this antenna
as the CLR-2 and the Super Gainer not to let a side the famous moonraker was where you just have to assemble them and bingo you are the
king of the monitor channel.

Seriously did any one ever tested this antenna? Eham even reported that some are even sleeping with the antenna "It has been in my attic
and now sits in the corner of my bedroom" I will have some hard time with my XYL trying to convince her to install the arrow in " the
corner of my bedroom"...

http://www.eham.net/reviews/detail/1613

Just to say the correct lenght of the elements and the performance are always right in the hands of the beholder:)

P.S It make's me remember some fishing stories
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2700. Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 07:49:32 UTC
From: Allan Copland
Topic: 2699 Message: 2700

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> I just have one arrow in my basement that i was planning to bring at the summer condo in Fort Myers beach but as usual the day before
> leaving (read the night before) i was testing it to only discover that i was hearing near nothing and the same results has been confirm at
> the last field day!
>
> As i'm a bit concern with antennas i never see any specs or instructions with my arrow stating that i have or should "TUNE" this antenna???
>

Hi Luc,

Hopefully I can put your mind at ease.

The arrow is indeed a magical wizard of Oz antenna, such as you describe, just like most other yagis. The element lengths on the Arrow don't appear to be adjustable (tuning a yagi involves altering the lengths of the elements), so the only other adjustment is to the antenna to feedline matching.

The Arrow does however use a Gamma match to provide proper matching (not tuning) of the antenna system to the feed-line. Ths should be adjusted for the best match or set as per the manufacturer's instructions. Thats the only adjustment you can make. Both of the yagis on the coomon boom have their own (separate) gamma feed systems, so will need individual adjustment.

Unless I'm badly mistaken, the Arrow comes with the elements pre-cut or swan to the correct length, with holes in the boom to fit them into.... so the only possible adjustment you can make is the shorting bars on the gamma-match feeds, so you can't tune it.

Altering the position of the Gamma bars is matching, not tuning.

I hope this answers your question.

73 Al.
GM1SXX

I don't own an Arrow antenna myself, I'm Scottish, too mean to spend money on radio aerials, so I make my own... but I have seen photos of an Arrow. It would hurt too much to spend all that money .... plus 26% in tax and import duty to *buy* an Arrow :-) Ouch!

2701. Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 07:54:09 UTC
From: Allan Copland
Topic: 2699 Message: 2701

Hi Luc,

You may find something of interest here...
http://eb4dka.laserenadigital.com/Amateur%20Satellite%20Articles/Arrow%20antenna.pdf

73 Al.
GM1SXX

2702. Re: [eu-amsat] Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 10:58:17 UTC
From: Thomas Frey
Topic: 2699 Message: 2702

Luc Leblanc schrieb:
>
> Some had try to copy it : http://www.g6lvb.com/HomebrewArrow.htm and they don't succeed
it is the proof of the magic around this antenna
>
Hello All

On this site I can see that the "Arrow"-antenna is constructed on a
wooden boom. This has the effect, that the reflectors and directors
are not connected together and to ground. So they are inactive and only
the dipoles are active. A very curious antenna, I think.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2703. Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 12:12:40 UTC
From: Allan Copland
Topic: 2699 Message: 2703

Hi group.

It's entirely possible to make yagi antennas at home, on non-conducting booms. Most antenna modelling software allows the user to choose between conductive (through-boom design) or non-conductive booms.

The centre point on a dipole... including those used as reflectors and directors in a yagi, should be at RF ground potential, so grounding them is permissible (and normal practice), but the element lengths differ between through-boom and insulated types, because of the presence of a conducting boom. Your software should be able to cope with both.

Rather than just slavishly copying commercial designs, it can be fun to use some antenna modelling software to modify an existing design, or to create a new one, and try it out using cheap materials such as ordinary timber booms and stiff wire or tubular elements. I often use copper microbore pipe for 70Cms and tubular aluminium from the DIY store for 2M.

There are many parameters to consider with a yagi and it's safe to say that all the parameters interact, but don't be put off. It is possible to make very acceptable yagis for HF-23Cms using cheap and readily available DIY shop type materials.

The boom material (conducting or insulating), means of attachment (through-boom or not) element lengths, element diameters, element spacings all interact in a yagi type parasitic antenna.

Your software can (and should) do all the hard work for you!

Quote
> On this site I can see that the "Arrow"-antenna is constructed on a
> wooden boom. This has the effect, that the reflectors and directors
> are not connected together and to ground. So they are inactive and only the dipoles are active. A very curious antenna, I think.

I agree with the above... except for this part....

"So they are inactive and only the dipoles are active."

This is not correct. The centre of the reflectors (driven) and directors of *any* yagi are effectively at RF ground potential ... they are at a currrent and not a voltage node), so it doesn't matter at all if they are grounded to the boom or not.

What can (and does) matter is that in an 'element through-metal-boom antenna' you need to correct the element lengths for the boom's presence.

All the elements are active in a wooden boom yagi design, just like in a conventional metal-boom design.

A wooden-boomed yagi behaves exactly like an all-metal through-boom yagi, so long as the appropriate correction is made to the element lengths to compensate for the lack of a

conducting boom.

What does matter but *only* in the case of a through-boom all-metal design, is that you correct the element lengths for the boom's presence. The presence, or otherwise, of an electrical path between the elements is completely irrelevant. Think RF and not DC.

Most of the yagi's I have made over the years have used wooden booms. They work just as well as commercially made metal boom models.

Oh, and if you *do* make a yagi with a wooden boom for outdoor use, please don't forget to varnish the boom with at least three coats of good-quality Yacht varnish to protect it from weather and water ingress. If you use bare wood outdoors, it won't last very long :-)

Don't believe me? Why not make some 'wooden' yagis yourself and *prove* to yourself that wooden boomed yagis work absolutely OK. There's plenty of free software available and the yagis can be made from cheap readily-available materials. Make your own yagis and have fun learning what works and what doesn't.

Yagimax is one such software...
http://www.simtel.net/product.php%5Bid%5D46509%5Bcid%5D147%5BSiteID%5Dsimtel.net

If you have space for larger designs, the DL6WU design is well respected.

The Internet is a rich source of material for DIY yagis (and other designs) for all bands. Go on, have some fun! Build your own.

73 Al.
GM1SXX
Too mean to *buy* antennas, and proud of it!

2704. Re: [sarex] The ISS and you.

Yahoo group: eu-amsat
Date: 2009-08-18 12:15:36 UTC
From: Luc Leblanc
Topic: 2704 Message: 2704

On 18 Aug 2009 at 3:03, Tony, VK5ZAI wrote:

excerpt.
>
> Unfortunately some folk never seem to be happy unless they get exactly
> what they want when they want it.

Could be some are too eager to used it and could be some are feeling things can go faster
IMHO all amateurs can express their opinions and
ARISS should at least remain a true international independant organization remaining an
open democratic and transparent group.

We can always find any sort of hidden agenda to someone but what Miles Mann WF1F wrote at
http://www.marexmg.org/fileshtml/arissreorg.html
is a very accute commenting especially "Prior to 2009, ARISS would say that its meetings
were open to the public and other clubs were
welcome to observer. In 2009 ARISS changed its open door policy to a closed-door policy.
The public is no longer allowed to attend any of
the meetings.and Now, only selected members of the AMSAT Corporation are allowed to present
Amateur radio project proposals to ARISS for
International Space Station.

The AMSAT Corporation has full control over the voting and the hardware selection process,
thus creating a monopoly on the International
Space station for Amateur Radio projects."

It looks like AMSAT-NA is desperately seeking for a jump start and they will now drag ARISS
with them as a way to boost them. With the
recent problems at AMSAT-NA and with a so poor management ARISS will be drag to the bottom
and the only one safety buoys who will remain
will be the other international ARISS members and group.

Miles has the right to express his opinions and as soon as some of them are in
contradiction with those of ARISS the usual AMSAT-NA way
came back in the form of personal attack made by the usual "Janitors".

With the so poor recent track record at AMSAT-NA they are searching by any means a way to
boost them as all other options are exhausted.
They are now attempting this new weird twist.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2705. THE BIG BOOM.

Yahoo group: eu-amsat
Date: 2009-08-18 13:29:05 UTC
From: John Hackett
Topic: 2705 Message: 2705

UDA's BIG BOOM.

... in his element ...

Paralytic? ... NO !!! ... parasitic.

73 LA2QAA.

2706. Re: [eu-amsat] Re: Arrow Antennas& the CB paradox

Yahoo group: eu-amsat
Date: 2009-08-18 13:44:37 UTC
From: Thomas Frey
Topic: 2699 Message: 2706

Thanks Al, I've learnd anything. I thought effectively in DC and not in RF. :-)

Allan Copland schrieb:
> Hi group.
>
> It's entirely possible to make yagi antennas at home, on non-conducting booms. Most antenna modelling software allows the user to choose between conductive (through-boom design) or non-conductive booms.
>
> The centre point on a dipole... including those used as reflectors and directors in a yagi, should be at RF ground potential, so grounding them is permissible (and normal practice), but the element lengths differ between through-boom and insulated types, because of the presence of a conducting boom. Your software should be able to cope with both.
>
> Rather than just slavishly copying commercial designs, it can be fun to use some antenna modelling software to modify an existing design, or to create a new one, and try it out using cheap materials such as ordinary timber booms and stiff wire or tubular elements. I often use copper microbore pipe for 70Cms and tubular aluminium from the DIY store for 2M.
>
> There are many parameters to consider with a yagi and it's safe to say that all the parameters interact, but don't be put off. It is possible to make very acceptable yagis for HF-23Cms using cheap and readily available DIY shop type materials.
>
> The boom material (conducting or insulating), means of attachment (through-boom or not) element lengths, element diameters, element spacings all interact in a yagi type parasitic antenna.
>
> Your software can (and should) do all the hard work for you!
>
> Quote
>
>> On this site I can see that the "Arrow"-antenna is constructed on a
>> wooden boom. This has the effect, that the reflectors and directors
>> are not connected together and to ground. So they are inactive and only the dipoles are active. A very curious antenna, I think.
>>
>
> I agree with the above... except for this part....
>
> "So they are inactive and only the dipoles are active."
>
> This is not correct. The centre of the reflectors (driven) and directors of *any* yagi are effectively at RF ground potential ... they are at a currrent and not a voltage node),

so it doesn't matter at all if they are grounded to the boom or not.
>
> What can (and does) matter is that in an 'element through-metal-boom antenna' you need to correct the element lengths for the boom's presence.
>
> *All* the elements are active in a wooden boom yagi design, just like in a conventional metal-boom design.
>
> A wooden-boomed yagi behaves exactly like an all-metal through-boom yagi, so long as the appropriate correction is made to the element lengths to compensate for the lack of a conducting boom.
>
> What does matter but *only* in the case of a through-boom all-metal design, is that you correct the element lengths for the boom's presence. The presence, or otherwise, of an electrical path between the elements is completely irrelevant. Think RF and not DC.
>
> Most of the yagi's I have made over the years have used wooden booms. They work just as well as commercially made metal boom models.
>
> Oh, and if you *do* make a yagi with a wooden boom for outdoor use, please don't forget to varnish the boom with at least three coats of good-quality Yacht varnish to protect it from weather and water ingress. If you use bare wood outdoors, it won't last very long :-)
>
> Don't believe me? Why not make some 'wooden' yagis yourself and *prove* to yourself that wooden boomed yagis work absolutely OK. There's plenty of free software available and the yagis can be made from cheap readily-available materials. Make your own yagis and have fun learning what works and what doesn't.
>
> Yagimax is one such software...
> http://www.simtel.net/product.php%5Bid%5D46509%5Bcid%5D147%5BSiteID%5Dsimtel.net
>
> If you have space for larger designs, the DL6WU design is well respected.
>
> The Internet is a rich source of material for DIY yagis (and other designs) for all bands. Go on, have some fun! Build your own.
>
> 73 Al.
> GM1SXX
> Too mean to *buy* antennas, and proud of it!
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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2707. Are you sure?

Yahoo group: eu-amsat
Date: 2009-08-18 14:23:32 UTC
From: blairs_viper2008
Topic: 2707 Message: 2707

looking on the arrow antennas website today, i see that 430/144 crossed yagi boom is actually made of "aluminum", or "aluminium" as we call it in the uk. In fact it says that. it does not say it is "made of wood"!!

patrick

2708. Re: [eu-amsat] Are you sure?

Yahoo group: eu-amsat
Date: 2009-08-18 16:31:46 UTC
From: Thomas Frey
Topic: 2707 Message: 2708

blairs_viper2008 schrieb:
> looking on the arrow antennas website today, i see that 430/144 crossed yagi boom is actually made of "aluminum", or "aluminium" as we call it in the uk. In fact it says that. it does not say it is "made of wood"!!
>
> patrick
>
>
>
>

Hello Patrick

As I understood, there are both ways possible with the difference of the length of elements. You can correct me Al. It would be interresting to test, how my body influences the antenna if I hold it, the one with a wooden boom and the other with a aluminium boom (in German its also Aluminium). I would prefer the aluminium boom.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2709. RE: [eu-amsat] Are you sure?

Yahoo group: eu-amsat
Date: 2009-08-18 16:43:16 UTC
From: John Hackett
Topic: 2707 Message: 2709

Thomas,
Excellent! point. That's !!! where you *WILL* see a difference.

Now we're talking about DETUNING ... (as opposed to 'tuning')

(Tuning being more accurately referred to as matching).

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 18 Aug 2009 18:31:46 +0200
Subject: Re: [eu-amsat] Are you sure?

blairs_viper2008 schrieb:

> looking on the arrow antennas website today, i see that 430/144 crossed yagi boom is actually made of "aluminum", or "aluminium" as we call it in the uk. In fact it says that. it does not say it is "made of wood"!!

>

> patrick

>

>

>

>

Hello Patrick

As I understood, there are both ways possible with the difference of

the length of elements. You can correct me Al. It would be interresting

to test, how my body influences the antenna if I hold it, the one with

a wooden boom and the other with a aluminium boom (in German its also

Aluminium). I would prefer the aluminium boom.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2710. Wood aluminium be OK?.

Yahoo group: eu-amsat
Date: 2009-08-18 16:39:44 UTC
From: John Hackett
Topic: 2707 Message: 2710

Folks,
As far as I can see nobody has mentioned that the Arrow aerial had
a wooden boom.

It was stated that an Arrow *CLONE* on Howard's website had a wooden boom - which it has.

That particular design was originally by Kent Britain in the 1980's but we used
them in the 1960's too - there wasn't too much aluminium in Sahara Desert in
those days ... and 'cast iron' (which there was an abundance of) doesn't lend itself to
booms designed to be held in your hand and waved frantically at the sky.

The comments were referring/comparing two quite different designs.

I can assure the group that what GM1SXX has stated *IS* correct.

Arrow - Elk - homebrew ... horses for courses.

I've built aerials (antennas, if you're a Yank) for more than 40 years but I also
own an Arrow - which, performs flawlessly for what it was designed to do.

(Waving a pointy stick at the sky).

Remember ... one shouldn't compare a Volkswagen Beetle to an Aston Martin DB
(David Baker) 4. They're designed to do different things.

73 John. <la2qaa@amsat.org>
To: eu-amsat@yahoogroups.com
From: g1dra@...
Date: Tue, 18 Aug 2009 14:23:32 +0000
Subject: [eu-amsat] Are you sure?

looking on the arrow antennas website today, i see that 430/144 crossed yagi boom is
actually made of "aluminum", or "aluminium" as we call it in the uk. In fact it says that.
it does not say it is "made of wood"!!

patrick

2711. Aerials.

Yahoo group: eu-amsat
Date: 2009-08-18 17:18:36 UTC
From: John Hackett
Topic: 2711 Message: 2711

Folks,
On the subject of aerials ...

Forward gain (along the boresight) of a beam is one thing but in satellite operation equally as important are the horizontal and vertical beamwidths, particularly at the half power points.

Generally speaking, a 3 element beam, has a 60 degree beamwidth, a 10 element beam has a 30 degree beamwidth ... but NO !!!, a 20 element beam *DOESN'T* have a 15 degree beamwidth - (but a parabol does).

Simply stated, this means - if your EIRP is 100w along the boresight, with a 3 element beam, you will still be radiating 50w at half of the beamwidth - (the 3dB points) - at 30 degrees - half of 60 - (sometimes I amaze! myself)

The vertical radiation angle is more often than not twice that of the horizontal beamwidth - (depending on the number of elements).

A transmitting and a receiving aerial are reciprocal in the above respect.

REMEMBER !!! ... when the satellite comes up over the horizon it's somewhere between 1500 and 3000 Km distant. When it's at TCA (time of closest approach) it's about 800 - 1000km distant (depending on the orbit).

You *DO* regulate your power within the horizontal and vertical half power points don't you? ... no, I didn't think! so ... but you should.

Remember too that the actual pattern plot of your beam does *NOT* resemble those nice computer generated patterns - in reality, it looks like a barbed wire fence gone mad!. Even hills 3km away affect the pattern.

For the umpteenth time ... circular polarisation is only circular along the boresight of most aerials (with only two exceptions) accurately cinstructed Lindenblads and quadrifilar helices.

73 John. <la2qaa@...>

73 John. <la2qaa@...>

2712. Re: [amsat-bb] ISS future?

Yahoo group: eu-amsat
Date: 2009-08-19 02:34:03 UTC
From: Luc Leblanc
Topic: 2712 Message: 2712

On 18 Aug 2009 at 21:23, Randy wrote:

>
> Whats going to replace the space station? The lunar base?
>
> Anyways... Someone explain to me please lol
>
> Cheers
>
> Randy - N2CUA
>

I was told the Mysterons coming from UK are something they are taken into account when they planned the mission. I failed in getting more
details about this . IMHO it seems some sort of conspiracy is blocking the plain truth here...

I also failed to find out on google anything regarding theses "Mysterons" but it turned out it is related to the moon...

I wished you to succeed in your explanations search

On a serious note how can they achieve a launch where they are unable to fly P3E actually?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2713. Re: [amsat-bb] ISS future?

Yahoo group: eu-amsat
Date: 2009-08-19 07:13:07 UTC
From: Allan Copland
Topic: 2712 Message: 2713

> On 18 Aug 2009 at 21:23, Randy wrote:
>
> > Whats going to replace the space station? The lunar base?
> > Anyways... Someone explain to me please lol
> > Cheers
> >
> > Randy - N2CUA

Well, that of course is an interesting question to which no one yet knows the answer.

One of the main issues with all the space stations to date is that they are built around an active core... and as new parts are being added, the station's core becomes increasingly dated.

The Russians realised this and have come up with a different strategy... OPSEK, a passive core thats nothing more than a 6 port docking adaptor. Since it's passive, there's little to wear out apart from of course the docking systems. To date, the Russian designed docking systems have been pretty reliable.

Salyut, MIR and ISS were all built around a Russian core with an axial and 4 radial docking ports. When the useful life of the core is expired. the station becomes unfit for use. So although the ISS has perfactly serviceable hardware attached to the core, and will have when it is finally scrapped, the remaining life of the core determines the overall life for the station. Clearly this is a badly flawed design.

My making the core passive rather than active, with no water and air regeneration, electrical or other essential services, a space station could be used for a *far* longer time, and modules replaced as they wore out.

LA2QAA and myself wrote a short article on the possible future for space stations (and one facet of amateur radio in space).

Should you be interested, you can read it at

http://www.observations.biz/Joint_Observations/Joint_observations_07_07_2009.htm

Vy 73,
Al.
GM1SXX

2714. Orbitalniy Pilotiruemyi Eksperimentalniy Kompleks

Yahoo group: eu-amsat
Date: 2009-08-19 07:39:01 UTC
From: Allan Copland
Topic: 2714 Message: 2714

Russian Space web article on OPSEK

http://www.russianspaceweb.com/opsek.html

73 Al.

2715. KLM 2M 22C

Yahoo group: eu-amsat
Date: 2009-08-20 03:43:55 UTC
From: Luc Leblanc
Topic: 2715 Message: 2715

I just assemble and "old" oscar 1 era KLM 2M 22C beam over the week end to ended stuck up with one element and no matching pre drilled hole
in the boom tube. Did anyone recollect if KLM ever missed pre drilled hole in their workmanship? My assembly was on the side of a bit hurry
and i will have to recheck al the measurements but with the pre drilled bolt holes boom section attachment it is hard to make mistakes but
we never know!

Thank's for your inputs?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2716. New ICOM VHF / UHF / SHF Radio

Yahoo group: eu-amsat
Date: 2009-08-20 07:17:11 UTC
From: Simon (HB9DRV)
Topic: 2716 Message: 2716

Looks like the IC-9100 will make a possible sneak appearance in a few days, there's a Yahoo! group here:

http://groups.yahoo.com/group/ic9100/

This group for the new ICOM transceiver, IC-9100 HF+VHF+UHF+(D-Star+23CM, optional), built-in HF/50MHz ATU(tuner), 32 bit IF-DSP, 24 bit A/D conv. HF/50MHz 100 watts, 144MHz 50 watts, 430MHz 50 watts, optional 1200MHz 10 watts output.

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

2717. Re: KLM 2M 22C

Yahoo group: eu-amsat
Date: 2009-08-20 08:11:08 UTC
From: allan_gm1sxx
Topic: 2715 Message: 2717

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> I just assemble and "old" oscar 1 era KLM 2M 22C beam over the week end to ended stuck up with one element and no matching pre drilled hole.

I have a copy of the manual at...
http://www.observations.biz/MANUALS/KLM/KLM-2M-22C.pdf

I hope that helps. If not, you may just have to make a guess :-)

Al.
GM1SXX

2718. The future of the ISS.

Yahoo group: eu-amsat
Date: 2009-08-20 09:12:48 UTC
From: John Hackett
Topic: 2718 Message: 2718

Group,
Once again, it seems that some of the Amsat-bb members have
apparently no clue as to what goes on outside America.

The future of the ISS, discussion ...

It does appear that some of the contributors are oblivious to the fact that
The Russians have already informed NASA that they (The Russians) intend
to pull the plug, to concentrate on their own space station ... more than
likely backed by The European Space Agency.

News and comments at the end of the following website. ...

<http://www.russianspaceweb.com/opsek.html>

GM1SXX and myself wrote an article on this very subject some time ago.

Those interested may read it at ...

<http://www.observations.biz/Joint_Observations/Joint_observations_07_07_2009.htm>

Somebody commented - "It's politics" ... that part is true, it's mainly a combination
of politics and money.

My own personal opinion is that the Russians don't fancy the idea of footing the bill
alone, and prefer to do things their own way.

73 John. <la2qaa@...>

2719. The EU-AMSAT Yahoo Group. Five years and counting...

Yahoo group: eu-amsat
Date: 2009-08-20 11:08:11 UTC
From: allan_gm1sxx
Topic: 2719 Message: 2719

Hi group.

You may be interested to know that this group has been running for just over five years, since June 2004 in fact, and membership currently stands at 156 persons.

This is pretty good, considering that when Makis SV1BSX, John LA2QAA and myself GM1SXX set it up, had no idea at the time if there would be any real need for, or interest in, creating such a group.

The reason I believe the group has been so successful is that it is a springboard for new ideas, ideas that in general would probably be 'shot down in flames' on the AMSAT-BB site.

As such, it provides a place where original ideas can flourish.

You guys have made this site the success that it is, so we encourage you to make it an even bigger success by posting to it more often and not sitting on the sidelines. It's your group, so make use of it.

If you have not posted to the group, please consider doing so. satellite people are always curious about what other enthusiasts are interested in and what they are doing, so if you just lurk on the sidelines, please consider posting to the group and let us know YOUR interests.

Remember too that you can post photos, web links or files that may be of interest to fellow amateur satellite emthusiasts.

If there is anything you feel is missing from the reflector or something new we could include, please ask. You can contact either John or myself Al, via the normal email routes.

Finally, if you know of a fellow radio amateur who has an intetest in satellites and is not a member of this group, please invite them to join.

Thanks again for making this group a success, and over to you!

73 AL. and John.
GM1SXX & LA2QAA

2720. Re: [eu-amsat] Re: KLM 2M 22C

Yahoo group: eu-amsat
Date: 2009-08-20 14:16:07 UTC
From: Luc Leblanc
Topic: 2715 Message: 2720

On 20 Aug 2009 at 8:11, allan_gm1sxx wrote:

> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> >
> >
> > I just assemble and "old" oscar 1 era KLM 2M 22C beam over the week end to ended stuck up with one element and no matching pre drilled hole.
>
>
> I have a copy of the manual at...
> http://www.observations.biz/MANUALS/KLM/KLM-2M-22C.pdf
>
> I hope that helps. If not, you may just have to make a guess :-)
>
> Al.
> GM1SXX
>
>
>
HI Al

I already have the manual but i will have to recheck the measurements one element pre drilled hole is missing and the only one place he can
be it's in the overlap boom sections where the 2 section are bolted together. First time i come up with this kind of problem? The overall
total boom length is correct?

Thank's for your offer

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2721. Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-20 15:07:33 UTC
From: jon.eyre
Topic: 2721 Message: 2721

Hi to the group, I'm building a 5 element crossed yagi of DK7ZB design, i'm useing physical spacing between vertical and horizontal elements, my question is, is it worth the extra complexity to have left and right switching or just stick with right hand polarization. Thanks in advance and 73's de Jon G7TZZ.

2722. Re: Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-20 15:24:04 UTC
From: allan_gm1sxx
Topic: 2721 Message: 2722

--- In eu-amsat@yahoogroups.com, "jon.eyre" <jon.eyre@...> wrote:
>
> Hi to the group, I'm building a 5 element crossed yagi of DK7ZB design, i'm useing physical spacing between vertical and horizontal elements, my question is, is it worth the extra complexity to have left and right switching or just stick with right hand polarization. Thanks in advance and 73's de Jon G7TZZ.
>

Well here's my 2p worth.

The polarisation of a satellite signal as seen on the ground varies with time. One simple fact...The signal on the ground is *virtually never* true CP.

The ability to switch between V & H is useful to cope with these polarisation changes. Some people seem to prefer to stick up a cp antenna and hope it works well. I'd say... experiment. Try both and report back! V, H, CP... try em all. you may get a surprise. I did!
I eventually went with linear.

73 Al.
GM1SXX

2723. Re: [eu-amsat] Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-20 15:41:08 UTC
From: Thomas Frey
Topic: 2721 Message: 2723

jon.eyre schrieb:
> Hi to the group, I'm building a 5 element crossed yagi of DK7ZB design, i'm useing physical spacing between vertical and horizontal elements, my question is, is it worth the extra complexity to have left and right switching or just stick with right hand polarization. Thanks in advance and 73's de Jon G7TZZ.
>
>

Hello Jon

It is worth, especially for AO-51. One Repeater works LHCP and the other RHCP in downlink.

I have always switched to a 11 element vertical yagi from Cushcraft. If the signal drops down, I switch to my 14 turn helix RHCP (old AO-10/13 days). Then, and only then, is RHCP better and the signal rises up.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2724. RE: [eu-amsat] Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-20 16:37:05 UTC
From: John Hackett
Topic: 2721 Message: 2724

Hello group,
My two Rubles worth ...

Personally, I find that switchable elliptical polarisation works best for LEO's but of course it depends on which satellite and where you are situated - so there's no 'one' correct answer.

Like GM1SXX spaketh ... experiment!, you're radio amateurs.

For circular polarisation see my recent post on the reflector and also have a look at the OBSERVATIONS website ... The case for circular polarisation article by 'The Twisted Pair' ... (aka LA2QAA & GM1SXX).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Thu, 20 Aug 2009 17:41:08 +0200
Subject: Re: [eu-amsat] Yagi Antenna Construction

jon.eyre schrieb:

> Hi to the group, I'm building a 5 element crossed yagi of DK7ZB design, i'm useing physical spacing between vertical and horizontal elements, my question is, is it worth the extra complexity to have left and right switching or just stick with right hand polarization. Thanks in advance and 73's de Jon G7TZZ.

>

>

Hello Jon

It is worth, especially for AO-51. One Repeater works LHCP and the other

RHCP in downlink.

I have always switched to a 11 element vertical yagi from Cushcraft.

If the signal drops down, I switch to my 14 turn helix RHCP

(old AO-10/13 days). Then, and only then, is RHCP better and the

signal rises up.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2725. Re: Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-21 09:03:35 UTC
From: allan_gm1sxx
Topic: 2721 Message: 2725

Hi group.

Ever watched "The Arrow Dance'? If you have, and you understand why it's needed, you are already more than smart enough to skip this message.

FACT. No matter what sort of antenna system is placed on a satellite, the polarisation as seen on the ground is going to be different.

The reasons for that are many and include Faraday rotation, scintillation and the effects of the ionosphere (yes the ionosphere) on the signals. Do please remember that a satellite signal traverses the ionosphere not once, but twice, and contrary to what I often read in some places, it *does* affect the signal.

There is another thing to consider. Although many, if not most, satellites carry CP antennas, the main advangage of doing so appears to be to provide a larger range of options for the ground segment.

This is one strong reason why MILSATs use CP. It gives a greater range of groundstation antenna options. There is quite a lot of freely available information re this, so I won't expand on the theme. Do your own research.

The *theoretical* worst-case scenario for a CP bird with a CP antenna on the ground, is if the polarisation at one end of the link is of the wrong sense. This only really holds entirely true if both satellite and groundstation antennae are accurately pointed at each other, a situation that is vanishingly rare.

In a real-world situation, the satellite is *almost never* accurately pointed at you, and even if it were, it would only be for a fleeting moment of time as you passed through it's boresight. Only then *could* there be any semblance of a true CP signal .. and that is before faraday rotation and scintillation and other unwanted effects are considered. You can watch this in action with your own eyes, every time you see 'The Arrow Dance'.

So...
1)all satellites are not the same. Some are CP, some not
2) Only Molniyas are accurately pointed (but these can be discounted.. we have none now)
3) A satellite signal as seen on the ground only can be CP when viewed down the boresight (a vanishingly rare and fleeting situation).

There is no single solution to the problem. The simple reality is that the signal as seen on the ground is likely to be slant-polarised.

To recap..
As noted above, there are two main reasons for this
1) Pointing error (mostly at the satellite end!)
2) The Ionosphere

I'll ask again... Have you watched the 'Arrow dance'? If so, then you have *seen* the effects I have described above with you own eyes. Even if you don't believe me..... you

should need no more proof!
It's your eyes after all.

I always find the 'Arrow dance' amusing, because it proves once and for all that the polarisation most certainly does not remain constant throughout a pass. For satellites on LEO it can and does change many times during a pass.

ALL antenna types represent a compromise with regard to polarisation which is why there is no single solution... and the same questions will probably be asked forever:-)

Molniya birds are a special case because a Molniya bird *can* be accurately pointed (at a spot) on the Earth. Ignoring Faraday rotation, scintillation and other ionospheric effects, you can then (in theory at least) at that illuminated spot- which can be fairly large, have a true CP-CP link. The reality is that you do still have ionospheric effects taking place to upset the 'CP dream'.

The reality, in the past, with AO10 & 13, was that even Molniyas were deliberately off-pointed for operational reasons, for a lot of the time. Power generation is but one of those reasons.

Hopefully some readers can now understand that satellite antenna systems are a problem with multiple solutions. No antenna single system is 'best'. They are *all* a compromise.

Next time you wonder which antenna is 'best', just remember those old dance steps. At least with LA2QAA's suggestion, you have a choice.
Single linearly polarised yagis are cheaper :-)

If anyone remembers the old Polarphasor, it was an ingenious way to alter the polarisation of a pair of yagis using a zig-zag printed-circuit delay line connected to a rotary switch. It was a useful item for the shack but I have not seen one in years. perhaps it's time for it to be 'reinvented' so we can optimise our polariation manually.
It does the electrical equivalent of the arrow dance. I rather liked it. It was a good piece of kit.

73 Al.
GM1SXX

2726. Re: Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-21 10:49:31 UTC
From: jon.eyre
Topic: 2721 Message: 2726

Hi all, OK thanks for the replies. I've tried many antennas in the past but never a cp antenna so i thought i would give it a go, the antenna is all built just need to fit the phasing harness and its ready to go. I will upload some pictures when its finished and let you all know how it works. Then i can finish the 10 element crossed for 70cms i'm building two of these one for left hand and one for right hand.
Thanks again and i'll keep you updated. 73's de Jon G7TZZ

2727. Re: [eu-amsat] Re: Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-21 10:50:08 UTC
From: Thomas Frey
Topic: 2721 Message: 2727

allan_gm1sxx schrieb:
>
> If anyone remembers the old Polarphasor, it was an ingenious way to alter the polarisation of a pair of yagis using a zig-zag printed-circuit delay line connected to a rotary switch. It was a useful item for the shack but I have not seen one in years. perhaps it's time for it to be 'reinvented' so we can optimise our polariation manually.
> It does the electrical equivalent of the arrow dance. I rather liked it. It was a good piece of kit.
>
> 73 Al.
> GM1SXX
>

Hello Al

I have one for my 2m JBeam 5ele X-Yagi. I found it at a fleamarket a few years ago.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2728. Re: [eu-amsat] Re: Yagi Antenna Construction

Yahoo group: eu-amsat
Date: 2009-08-21 12:06:40 UTC
From: Luc Leblanc
Topic: 2721 Message: 2728

On 21 Aug 2009 at 9:03, allan_gm1sxx wrote:

> Hi group.
>
> Ever watched "The Arrow Dance'? If you have, and you understand why it's needed, you are already more than smart enough to skip this message.
>

> Single linearly polarised yagis are cheaper :-)
>

> 73 Al.
> GM1SXX
>

With AO-51 in the V/S configuration i ended up with a linear WI-FI yagi on 2.4ghz. It was this antenna who exhibits the lesser fades as BBQ
grills, patch antenna, helix gives so deep fades that the signal goes way down below noise level. The only one fades who remain are those
produce by the antenna nulls at the satellite.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2729. EIRP Sumbandilasat.

Yahoo group: eu-amsat
Date: 2009-08-22 09:51:36 UTC
From: John Hackett
Topic: 2729 Message: 2729

Group,
Maybe I'm being stupid, blind, imbecilic ... or all three ...

(wouldn't be the first time.....GM1SXX)

...but, does anyone have any information on the recommended EIRP for Sumbandilasat ?? ... (assuming it reaches orbit).

Answers on the back of a £100 note wrapped round half a wallbrick projected through my front window - or - an e-mail to <la2qaa@amsat.org>

Thanks.

73 John.

2730. IC 9100 radio.

Yahoo group: eu-amsat
Date: 2009-08-22 17:20:15 UTC
From: allan_gm1sxx
Topic: 2730 Message: 2730

Hi Group

For anyone wanting a look at ICOM's new wonder-radio, the IC9100, have a look in the GM1SXX photo folder. The photos were sent to me by a friend earlier today from Tokyo.

I *wont* be buying one, but it looks like a nice radio.

73 Al.
GM1SXX

2731. Re: [eu-amsat] IC 9100 radio.

Yahoo group: eu-amsat
Date: 2009-08-22 17:22:21 UTC
From: Simon (HB9DRV)
Topic: 2730 Message: 2731

It looks expensive, a good source tells me ~ 5,000 pounds UK :(

Simon Brown, HB9DRV
www.ham-radio-deluxe.com

----- Original Message -----
From: "allan_gm1sxx" <allan_gm1sxx@...>
>
> I *wont* be buying one, but it looks like a nice radio.
>

2732. IC 9100 radio ... drool and weep.

Yahoo group: eu-amsat
Date: 2009-08-22 18:42:18 UTC
From: John Hackett
Topic: 2730 Message: 2732

Hello Group,
The IC9100 looks nice but I couldn't even afford a coax connector
for it - let alone the transmission line.

I do own a couple of Icom's though. A 22 year old IC-730 - but it hasn't been switched on
for nearly 3 years now.

I also own a brand spanking new IC-E92D (with D-Star) - which surely must rate
as the fiasco of the century (?).

I got if for a kiss and a song bur having owned it for a couple of months I can say that I
certainly wouldn't waste my money on one. Built like a brick sh*thouse and
waterproof to boot - but I don't know many Hams in the habit of chucking their Japanese
wakky takky's in a lake ... or using them to hammer 6" nails into 2 x 4's.

(There's bound to be at least one! exception.....GM1SXX).

I do OK with my 22 years old FT-290 and homebrew amp on 2m. For 70cm I used a 'modern'
(only 8 years old) Kenwood TR-851E ... but who cares! ... as long as they
do the job. I'm too old to be wondering if mine's bigger than yours ... doesn't matter much
these days as long as it does it's primary function ... the radio too!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Sat, 22 Aug 2009 17:20:15 +0000
Subject: [eu-amsat] IC 9100 radio.

Hi Group

For anyone wanting a look at ICOM's new wonder-radio, the IC9100, have a look in the GM1SXX
photo folder. The photos were sent to me by a friend earlier today from Tokyo.

I *wont* be buying one, but it looks like a nice radio.

73 Al.

GM1SXX

2733. PICOPONDER on demo at JARL Tokyo

Yahoo group: eu-amsat
Date: 2009-08-23 13:34:37 UTC
From: allan_gm1sxx
Topic: 2733 Message: 2733

Hi group,

As some members may know, William, PE1RAH is in Japan to showcase his mode U/V PICOPONDER. This must be the smallest linear transponder around, having been sized for CUBESAT use. Despite it's diminutive size, the transponder is fairly flexible and has a 200mw PEP output, making it ideal for a CUBESAT's limited power budget. The transponder was built in SMT using reflow soldering.

William has made some videos of the transponder under test and has kindly sent some photos from Japan where he seems to be having a good old time.

You can watch the movies and see the photos at...
http://www.pe1rah.observations.biz/index.htm

William also got a look at ICOM's new flagship radio, the IC-9100 and I've included a couple of photos of this rather nice, but very expensive, new radio.

73 Al.
GM1SXX

2734. Re: [amsat-bb] Re: Don't Fly SuitSat2 to ISS (rebuttal)

Yahoo group: eu-amsat
Date: 2009-08-24 08:16:43 UTC
From: Luc Leblanc
Topic: 2734 Message: 2734

On 23 Aug 2009 at 23:17, N0JY wrote:

> I believe you are right, Bob. The total number of dissenting opinions
> at least on the -bb have been few. I have been silent, although tempted
> to reply, but I believe you have hit the nail on the head. I believe
> the "silent majority" is behind AMSAT.
>
> Jerry
> N0JY
>
> Bob Bruninga wrote:
> > The broad membership believes in the AMSAT mission and contributes to help these poor souls make progress and hopes for the best.
> >
> > Bob, Wb4APR
> >
> >

Guessing on the "Silent majority" opinion is and will always be very tricky but what's this "silent majority" is waiting for and behind
it's the next HEO namely called Eagle by AMSAT-NA but scapped due to numerous issues at AMSAT-NA.

If each time someone voice an opinion who is not what someone else opinion it is not appropriate to answer back using this kind of language
" but I believe you have hit the nail on the head." "and not what a bunch of keyboard-jocky shack-potato's waste everyone's time whinnning
about..." If you can only whine, then get out of the way..." And the ankle-bitters and whinning shack-potatoes win and will
go on and on about how "they shoulda, coulda, woulda done better"... BUT, nothing was accomplished..."

Bob and Jerry we are in 2009 and internet is now a part of our life. It is not only the AMSAT journal who is now the only one sources of
information. The context change at AMSAT-NA as soon as people start to comment and voices their opinions mainly through the internet but
mentalities at AMSAT-NA never change.

You are right when you wrote "And since "they" are the ones spending 12-16 hours a day for years to BUILD it, then it is only human nature that they will build what THEY believe in" But if you only work for your own satisfaction
ignoring others wishes and ideas you are going to hit a wall one day or another. Is it possible that actual AMSAT-NA problems come from
this kind of attitude? I do what i want if you are not with me you are against me and i will ignore you... What happen when the crowds
start to voices their opinions " the ones spending 12-16 hours a day for years to BUILD it"

start to fight back the pressure making
ultimatum "I will resign and try to do it if you can"

"A life lived in fear is a life half lived."

Is ITAR is really what stops the cooperation between AMSAT-NA and AMSAT-DL? even if both sign a cooperation agreement many years prior to
this ITAR illusion? Could be if AMSAT-NA in the past was so aware of the "silent majority" desires they probably choose to go by theses
desires instead of those of the few builders!

Trying to silence those who freely voices their opinions telling them "If you can only whine, then get out of the way..." is surely a way
to promote the silent majority to express their opinions... As i said guessing on the "Silent majority" opinion is and will always be very
tricky" mine is as good as yours and as written " The total number of dissenting opinions at least on the -bb have been few" just note the
" number of dissenting opinions" and "have been few"" you will have the AMSAT-NA trend no matter what theses dissenting opinions are we
just have to consider them as " have been few" as the validity and the right to express an opinion in AMSAT-NA is related to a math
figures? In a sense they are right just ask any marketing firm about their client satisfaction, when they are satisfied they will tell to 3
others but when they are not satisfied they will tell to 10 others. Again it's very tricky to guess on the silent majority opinion!!

As Robert wrote "based on your logic no criticism whatsoever is warranted." Yes it is exactly what we all seen here from AMSAT-NA and by
some of their blinded suppporters.

Jack also summarized the situation quite well even it was not his goal:

"The question is, what about those who left AMSAT or no longer pay due because they also - silently - are voting with thier talents, skills, and money which are not
available... It is no problem to have a group which is in - at least tacit -
agreement, just force the others out or ignore them until they leave."

Bingo! you put the finger on the plea but IMHO AMSAT-NA should change his mission "Its goal was to foster Amateur Radio's participation in
space research and communication. AMSAT was founded to continue the efforts, begun in 1961, by Project OSCAR" to read "Its goal is to
foster Amateur Radio's education and information and cooperation in space research and communication.AMSAT was founded to continue the
efforts, begun in 1961, by Project OSCAR and now carried by universities and colleges.

Just note the "cooperation" just read an excerpt about the 2001 International
Satellite Workshop sponsored by AMSAT-DL

"The closing day of the gathering was set aside for more-detailed
discussions on various aspects and strategies for future missions.
Representatives of nine AMSAT organizations, as well as of various
space business groups, the European Space Agency and Arianespace
attended the gathering."

Just return to the basics!!!

Could be at the next AMSAT-NA Space Symposium in October someone can make a proposal? It will at least take out a lot of pressure for the
BOD who is still without a president and it will make possible to support the viable actual options eg: P3E by AMSAT-DL and support ARISS
in their mission including the Suit/Box sat. This change in the goal will give the necessary slack to regroup and reform AMSAT-NA towards a
more realistic mission as it is obvious that all the resources human and funding are now exhausted regarding an HEO and probably also for
any other cube sats as it is no more AMSAT-NA who is the leader in the amateur satellite world.

It's not new look what happen in 2004:

"AMSAT at the Nanosat-3 Design Review

NASA and the AFRL had a review/poster session with the University Nanosat 3 team of universities just a few weeks ago. This was held near
the Dulles Airport in the DC area. All 13 universities were in attendance. We also had a significant contingent of AMSAT leadership there
including Tom Clark, W3IWI, Art Feller, W4ART, Perry Klein, W3PK, Mark Kanawati, N4TPY and Frank Bauer, KA3HDO. They provided significant
guidance to the university students, the professors and to the NASA and AFRL members in attendance. There was a lot of AMSAT hardware
development knowledge in that room. The AMSAT team members had some substantial one-on-one dialogue with the university teams on frequency
coordination, dos and don'ts of spacecraft design, etc."

Check also this
http://www.rsgb.org/spectrumforum/pdfs/minutes/june07/Radio_Amateurs_Mars.pdf

They surely can help providing expertise and counselling to all the various group an universities who are projecting to put something in
orbit. Their communication expertise will and still is one of their greatest assets. It is by this asset they will be able to survive and
can have the best opportunity to still be able to fly a transponder (See PE1RAH William Leijenaar small transponder project) in orbit. Also
maintaining their web site can also be a nodal point of amateur satellite expertise who can be promoted to be "The expertise place on the
internet".

Failure is not an option but targetting any launch or satellite construction is now out of reach and will only lead to even more failure
and deception. It is better to move in one direction than remaining stand still.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2735. A rocket propellant named ALICE!

Yahoo group: eu-amsat
Date: 2009-08-24 13:59:25 UTC
From: allan_gm1sxx
Topic: 2735 Message: 2735

This one is unusual, a rocket propellant made from powdered aluminium and water ice slush... AL-ICE!
It's a material with the consistency of toothpaste that's chilled down to form a solid before launch. Weird, but very interesting.

More at...
http://www.wpafb.af.mil/news/story.asp?id=123164277

Al.
GM1SXX

2737. Re: [amsat-bb] Re: Don't Fly SuitSat2 to ISS (rebuttal)

Yahoo group: eu-amsat
Date: 2009-08-24 14:42:17 UTC
From: Luc Leblanc
Topic: 2734 Message: 2737

On 24 Aug 2009 at 9:46, Robert Bruninga wrote:

> > I believe you are right, Bob. The total
> > number of dissenting opinions at least on
> > the -bb have been few. ... I believe
> > the "silent majority" is behind AMSAT.
>
> Oh, by-the-way, I have received lots of private-off-BB email
> agreement. Normally I reply to each such private email, but
> since there have been so many, I thought I would save time and
> thank those individuals all at once if the opportunity came up.
> They rightly didn't want to add any more emails to this
> burdensome thread that comes up every few months and then wastes
> everone's precious time... So lets all hang in there, work the
> satellites, and work with groups that are building satellites,
> and contribute where we can... Or get out of the way. Bob.

Quote

"based on your logic no criticism whatsoever is warranted." Yes it is
exactly what we all seen here from AMSAT-NA and by
some of their blinded supporter"

End of quote

Just look around some AMSAT-BB actual and past BOD members and you will have a fairly good idea of this "lots of private-off-BB email
agreement." I.m also receiving a lot of commenting coming from the EU AMSAT reflector and even some on the air! It's not a question of who
is supporting who but how to make a satellite association running who is actually not working as per nominal parameters.

AMSAT-NA is unable to have any kind of evolution as it's core members are always the same promoting always the same ideas to a point they
are and will be more and more unable to attract new officers and volunteers.

They are not even taking any lessons learn from the past. There is nothing to be ashamed to be stupid but willingly accepting to remain
stupid is.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2738. APOLOGY.

Yahoo group: eu-amsat
Date: 2009-08-25 07:46:42 UTC
From: John Hackett
Topic: 2738 Message: 2738

Group,
It has been brought to my attention that some of my remarks
can sometimes appear to be both crude and offensive to some people.

For this I apologise - and will attempt to tone down the 'Manchester slang'
in future.

Guilty as charged - I apologise.

73 John. <la2qaa@...>

2739. South Korean rocket Launch.

Yahoo group: eu-amsat
Date: 2009-08-25 15:37:01 UTC
From: allan_gm1sxx
Topic: 2739 Message: 2739

More info on Russiatoday.

http://russiatoday.ru/Top_News/2009-08-25/south-korea-rocket-launch.html

73 Al.
GM1SXX

2740. 2 metre yagi

Yahoo group: eu-amsat
Date: 2009-08-27 18:59:54 UTC
From: jon.eyre
Topic: 2740 Message: 2740

Hi all, i finally had a chance to test my 2x5element yagi today with some great results on AO-7. I had a solid downlink on the pass from horizon to horizon. When switching between my 4ele Tonna and the 2x5ele DK7ZB there was a remarkable difference. I've uploaded a few photo's there in the photo's section under G7TZZ.
Now i know it works i can start on the 2x10ele for 70cms. I'll keep you updated.
73's de Jon G7TZZ

2741. Interesting satellite URL

Yahoo group: eu-amsat
Date: 2009-08-30 13:51:30 UTC
From: allan_gm1sxx
Topic: 2741 Message: 2741

Hi Group.

While idly wasting time today surfing the web, I happened across this link.

http://ilrs.gsfc.nasa.gov/

It's *not* amateur satellite related but may be of interest to some members of the group. Some of these objects are good visual targets so can be quite eassily seen in the night sky (away from streetlights!) , especially the geodetic birds Ajaisai (Hydrangea) plus Lageos 1 & 2 which carry LASER retro-reflectors. They backscatter light when sunlit with a flashing pattern rather like a disco mirrorball, so can be fun to look for.

Ajaisai was launched along with JAS-1, AKA Fuji Oscar 12 on the 12th August 1986 into high 'LEO', so this is an Amateur satellite ralated message, after all :-)

Visual observing can be quite addictive, so don't say I didn't warn you all. The Iridium birds also make for good visual targets.

73 Al.
GM1SXX

2742. PstRotator - Software for antenna rotators

Yahoo group: eu-amsat
Date: 2009-08-31 16:23:19 UTC
From: yo3dmu
Topic: 2742 Message: 2742

Hello,
I hope somebody will find usefull this program named "PstRotator"
http://www.qsl.net/yo3dmu/index_Page346.htm
Working with a lot of antenna rotator controllers (Prosistel "D" and "C", RT-21 Green Heron, DCU1 HyGain, RC1 MDS, Rotor-EZ Idiom Press, Yaesu Az and Yaesu Az/El GS-232A and GS-232B, M2 RC2800, AlfaSpid RAK Az and RAS Az/El, Easycomm, ST3 Fox Delta, Endeavour Electronics AutoTracker, ZL1BPU, EGIS, and Creative RAC825), provides automating tracking using programs like WXtrack, WinOrbit, Orbitron, Nova for Windows, Sat_Explorer,SatPC32, WSJT, VQLog, TACLog, Z-Track, GJTracker, EME System, Trak_SM.
The PstRotator program is free. Please try and send me some feedback.
73, Codrut - YO3DMU

2743. Re: PstRotator - Software for antenna rotators

Yahoo group: eu-amsat
Date: 2009-08-31 18:44:32 UTC
From: allan_gm1sxx
Topic: 2742 Message: 2743

--- In eu-amsat@yahoogroups.com, "yo3dmu" <yo3dmu@...> wrote:
>
> Hello,
> I hope somebody will find usefull this program named "PstRotator"
http://www.qsl.net/yo3dmu/index_Page346.htm

Hi Codrut and the group.

I copied the URL for the software into the links section for future reference. If you have any favourite satellite of amateur radio links of your own, please post them in the links section. It's *your* group after all.

Thanks to Codrut in Romania for posting this information.
You may also wish to visit Codrut's homepage. It's at....
http://www.qsl.net/yo3dmu/

73 Al.
GM1SXX

2744. D-STAR REPEATERS INTERFEREING WITH HAMSATS

Yahoo group: eu-amsat
Date: 2009-09-01 10:17:30 UTC
From: Thomas Frey
Topic: 2744 Message: 2744

Hello All

This may be interesting:

> RADIO LAW: UNCOORDINATED D-STAR REPEATERS IN ITU REGION 1 INTERFEREING
> WITH HAMSATS
>
> D-Star repeaters in I-T-U Region 1 operating uncoordinated in the
> Amateur Satellite band are reportedly playing havoc with ham radio
> satellite communications worldwide. Amateur Radio Newsline's Bruce
> Tennant, K6PZW, has the details:
>
> --
>
> ITU Region one is made up of Europe, Africa, the Middle East west of
> the Persian Gulf including Iraq, the former Soviet Union and Mongolia.
> The problem came to light with the recent publication of the
> International Amateur Radio Union Region 1 VHF/UHF/Microwave
> newsletter. It details the interference problems being caused by
> uncoordinated D-Star repeaters operating in the band segments reserved
> for Amateur Satellite operations.
>
> The newsletter says a recent planning conference recognized the
> frequency needs for digital voice, and the bandplans were adjusted
> accordingly. In other words there are now specific spectral parcels in
> I-T-U Region One where repeaters using digital voice technology are to
> operate and no place else.
>
> But the story goes on to note that the rising number of D-Star users in
> some countries has lead to what it terms as uncoordinated growth. It
> also notes reports that D-Star repeaters are operating in the 2 meter
> protected satellite segment.
>
> The newsletter condemns these operations calling them deplorable. It
> goes on to note that hams complain about interference in the satellite
> segment caused by pirate operators and illegal telephone systems, while
> jamming the satellite segment themselves with uncoordinated digital
> voice repeater operations. It also notes that what it terms as
> irregular repeater shifts or input to output separation is yet also
> another source of interference to other ham radio operations.
>
> IARU Region 1 is now laying down the proverbial gauntlet. It says that
> whenever a new D-Star repeater is to be set up, it must operate on a
> coordinated frequency pair. This, even if this means that an existing
> analogue repeater has to be switched off for this purpose.

>
> Michael Kastelic, OE1MCU, who edits the IARU Region 1 VHF/UHF/Microwave
> newsletter takes it even a step further. He is urgently requesting
> that all Region 1 VHF managers monitor the developments in their
> countries and to use their influence to remedy the situation as
> required. And while he does not say it in these specific terms
> Kastelic seems to be suggesting that if an uncoordinated D-Star
> repeater shows up in the amateur satellite subband it may be time to
> have government telecommunications regulators for the nation its in,
> order it off the air.
>
> No word from if any of the uncoordinated repeaters targeted by this
> editorial have or will voluntarily comply and move out of the amateur
> satellite band.
>
> For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los
> Angeles.
>
> --
>
> In many ways it appears as if the popularity of D-Star in some parts of
> the wold is such that its literally going through the same growing
> pains that analog FM repeaters saw in the late 1960's through the early
> 1970's. You can read more on-line at
> www.iaru-r1.org/index.php?option=com_remosotory&Itemid=173&func=select&id=6
>
> (IARU, Southgate)

Source: ftp://ftp.arnewsline.org/quincy/News-A/news.txt

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2745. RE: [eu-amsat] D-STAR REPEATERS INTERFEREING WITH HAMSATS

Yahoo group: eu-amsat
Date: 2009-09-01 12:25:14 UTC
From: John Hackett
Topic: 2744 Message: 2745

Well Done !!! Thomas,
For bringing this important news to our attention.

This is something bthat affects us *ALL*.

I for one will follow developements closely.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 1 Sep 2009 12:17:30 +0200
Subject: [eu-amsat] D-STAR REPEATERS INTERFEREING WITH HAMSATS

Hello All

This may be interesting:

> RADIO LAW: UNCOORDINATED D-STAR REPEATERS IN ITU REGION 1 INTERFEREING

> WITH HAMSATS

>

> D-Star repeaters in I-T-U Region 1 operating uncoordinated in the

> Amateur Satellite band are reportedly playing havoc with ham radio

> satellite communications worldwide. Amateur Radio Newsline's Bruce

> Tennant, K6PZW, has the details:

>

> --

>

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> the Persian Gulf including Iraq, the former Soviet Union and Mongolia.

> The problem came to light with the recent publication of the

> International Amateur Radio Union Region 1 VHF/UHF/Microwave

> newsletter. It details the interference problems being caused by

> uncoordinated D-Star repeaters operating in the band segments reserved

> for Amateur Satellite operations.
>
> The newsletter says a recent planning conference recognized the
> frequency needs for digital voice, and the bandplans were adjusted
> accordingly. In other words there are now specific spectral parcels in
> I-T-U Region One where repeaters using digital voice technology are to
> operate and no place else.
>
> But the story goes on to note that the rising number of D-Star users in
> some countries has lead to what it terms as uncoordinated growth. It
> also notes reports that D-Star repeaters are operating in the 2 meter
> protected satellite segment.
>
> The newsletter condemns these operations calling them deplorable. It
> goes on to note that hams complain about interference in the satellite
> segment caused by pirate operators and illegal telephone systems, while
> jamming the satellite segment themselves with uncoordinated digital
> voice repeater operations. It also notes that what it terms as
> irregular repeater shifts or input to output separation is yet also
> another source of interference to other ham radio operations.
>
> IARU Region 1 is now laying down the proverbial gauntlet. It says that
> whenever a new D-Star repeater is to be set up, it must operate on a
> coordinated frequency pair. This, even if this means that an existing
> analogue repeater has to be switched off for this purpose.
>
> Michael Kastelic, OE1MCU, who edits the IARU Region 1 VHF/UHF/Microwave
> newsletter takes it even a step further. He is urgently requesting
> that all Region 1 VHF managers monitor the developments in their

> countries and to use their influence to remedy the situation as

> required. And while he does not say it in these specific terms

> Kastelic seems to be suggesting that if an uncoordinated D-Star

> repeater shows up in the amateur satellite subband it may be time to

> have government telecommunications regulators for the nation its in,

> order it off the air.

>

> No word from if any of the uncoordinated repeaters targeted by this

> editorial have or will voluntarily comply and move out of the amateur

> satellite band.

>

> For the Amateur Radio Newsline, I'm Bruce Tennant, K6PZW, in Los

> Angeles.

>

> --

>

> In many ways it appears as if the popularity of D-Star in some parts of

> the wold is such that its literally going through the same growing

> pains that analog FM repeaters saw in the late 1960's through the early

> 1970's. You can read more on-line at

> www.iaru-r1.org/index.php?option=com_remository&Itemid=173&func=select&id=6

>

> (IARU, Southgate)

Source: ftp://ftp.arnewsline.org/quincy/News-A/news.txt

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2746. Re: [amsat-bb] Trolls on the -bb

Yahoo group: eu-amsat
Date: 2009-09-02 12:00:48 UTC
From: Luc Leblanc
Topic: 2746 Message: 2746

From: Luc Leblanc <lucleblanc6@...>
To: amsat-bb@...
Subject: Re: [amsat-bb] Trolls on the -bb
Date sent: Tue, 01 Sep 2009 22:42:19 -0400

The AMSAT issues are all in the text?

On 1 Sep 2009 at 17:45, Andrew Glasbrenner wrote:

> I've about had it with the trolling and the bickering and
> the internet commandos cruising for reactions. They've caused it to cease
> being fun or even interesting to participate in this email list.

Voicing an opinion is really " cruising for reactions" I think not or theses opinions are probably exposing something who should not be
disclose fearing the membership/sponsored reactions?

>
> rather than
> analyze telemetry, plan schedules, maintain webpages, solder circuit boards,
> mail ballots, test batteries, process renewals, inquire about new
> opportunities, mentor a beginner or a cubesat project, write an article,
> schedule an ARISS QSO, etc?

I don't remember having read anything about criticisms on the work done but on what some are thinking the next moves and orientation should
be. I think it is more a second guessing problem than anything else.
Stage coach are always watching in your back just beware...

> I know AMSAT has had it's issues over it's long history, and we are all
> disappointed that HEOs seem to be almost out of reach for us now. We are all
> human and we all make mistakes, especially when it involves rocket engines,
> building spacecraft on hobby store budgets, and getting all past our
> benefactor launch agency trials and schedules.

If "HEOs seem to be almost out of reach for us now" what we should do next? no more false illusions about geo sat's and so on just get back
on earth and focused on how to help P3E and our German friend.

> We have also learned from
> our mistakes,

Is it not natural to try to remember our past mistakes to avoid them in future?

> it is time to move ahead. Our officers and our BOD is
> almost entirely different from just 5 years ago.

Is this will carry any new ideas even if the names are changing? I think not as the closed AMSAT-NA BOD circle is still hovering above.

>
> If a member has a problem with or suggestion for how a volunteer is doing
> their job, contact them through the website
>
Some are trying but they don't succeed AMSAT-NA is not like your local ham club where you can see your partners each week end. It was a
time where this "club" spirit was there and it give's AO-40 and Echo.

Aside of a HEO sat what's remain next? Cubes? and Arisat a 6 scrabble point word! and ISS? yes we all know there is a cross band repeater
up there resting on the wall !!

Is it possible to let the paying members operating the sat's without always feeling bad because they are not member of the president club
or as they don' t donate much or just they are unable or not interested to be a volunteer?

When you are watching a movie even if all the attendance want's to help all at the same time the guy who play with the film reel there will

not be enough room to let all of them go in.

If the pressure is too high it is probably an indication of a communication problem?, Not listening or just standing by our ideas will just

increased the complaining factor.

P.S. Success and achievement are the criticisms antidote and a perverse man stirs up dissension, and a gossip separates close friends

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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2747. Re: [amsat-bb] Re: Trolls on the -bb

Yahoo group: eu-amsat
Date: 2009-09-03 19:14:10 UTC
From: Luc Leblanc
Topic: 2747 Message: 2747

On 3 Sep 2009 at 14:50, Bruce Robertson wrote:

Date sent: Thu, 03 Sep 2009 14:50:20 -0300
From: Bruce Robertson <ve9qrp@...>
Subject: Re: [amsat-bb] Re: Trolls on the -bb
To: "John B. Stephensen" <kd6ozh@...>
Copies to: i8cvs <domenico.i8cvs@...>, Luc Leblanc <lucleblanc6@...>,
AMSAT-BB <amsat-bb@...>

>
> It is my impression that the board members do not share this view.
> They feel that the current impediment to a HEO launch in full-price
> launch costs is so great that, for instance, the thousands spent on
> SuitSat2 would never make a difference, since it is less than a
> thousandth of the full price. Instead, we should make the best of
> opportunities in LEO that might support our future work in HEO, MEO,
> or wherever.
>

As Bruce wrote "It is my impression that the board members do not share this view" and "Instead, we should make the best of
opportunities in LEO that might support our future work in HEO, MEO,or wherever." as articulate his text is, he's assuming something that i
understand as 1-Short term, medium and long term objectives but as far as i know there is none written or planned on paper all is based on
Target of Opportunity lets called that a short term vision. In fact there is nothing wrong with that but again what about the long term?

If money is a key factor how as a group of satellite communicators can we reach the long term one? "We all want a HEO amateur communication
satellite in orbit, some of us because we've never had that experience, others because it is our fondest memory of AMSAT operations" lets
say a HEO is the long term objective and as Domenico wrote " Nobody has donated a launch for free or about for free on HEO except
ESA for OSCAR-10 OSCAR-13 and AO40 upon political strategy conducted mostly by AMSAT-DL and this is why we must pull for P3E" There is room
for short and medium term projects but putting aside the long term will only put AMSAT-NA on a side track forcing them to reevaluate their
mission as i wrote in another post.

In the mean time i all invite you Sul terrazzo di I8CVS on
http://video.google.com/videoplay?docid=8026221200764903522#

And for those who prefer golf and the summer Napoli beaches
http://fr.video.yahoo.com/watch/944416/3686620

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2748. Re: [amsat-bb] Re: Increasing range from LEO/SpaceX/APRS

Yahoo group: eu-amsat
Date: 2009-09-04 07:41:06 UTC
From: Luc Leblanc
Topic: 2748 Message: 2748

On 3 Sep 2009 at 20:12, Rocky Jones wrote:

>
>
>
> > > the APRS satellites on 145.825. We just need several of them in
> > > orbit at the same time.
>
> SpaceX has just scored a large contract with ORBCOMM to put their next gen birds in orbit (using the Falcon1E)...a small APRS generic satellite might just substitute for ballast
>
> Robert WB5MZO
>
The digipeat APRS/text signal on multiple LEO'S is could be an alternative solution to a HEO but i will go a bit further and is it possible
to have DSTAR FM transponder on multiple LEO'S? With the new small size transponder made by William PE1RAH it will be something to
investigate. DSTAR can even send APRS data D-PRS and digital audio in the same transmission.

Do not forget that any analog FM repeater which does not filter CTCSS tone (audio taken at the discriminator directly) can transmit D-Star
signal.

Since my first experience with DSTAR i firmly believe a small cube sat will be soon be possible and with the fabulous linking capabilities
of DSTAR communication protocole it will also be possible to have of some sort of intersatellite linking system.

Remain to see how to have a wide FM transponder.

As DSTAR is quite in advance in Japan i will not be surprised to see something coming out there. With the new JAXA H-II transfer vehicule
did we overlooked a launch opportunity? again our Japanese friends seems to be quite impress with William pico transponder! did they have
something in mind?

Here is some link of interest.

http://www.qsl.net/pe1rah/HAMSAT-info.htm
http://www.qsl.net/pe1rah/
http://www.pe1rah.observations.biz/
http://www.aprs-is.net/
http://www.jaxa.jp/projects/rockets/h2a/index_e.html
http://www.jaxa.jp/projects/rockets/htv/index_e.html

P.S. I am looking for someone with DSTAR capabilities to try some DSTAR satellite transmission as the AO-27 first DSTAR test in 2007. I
already have Robin AA4RC in my urcall list and i can see his amsat.org text message passing in my screen!!! Just put my call sign in your
urcall list the next step is to find a common footprint. Just go on
http://www.ao27.org/AO27/index.shtml at the bottom of the page you will
have all you need to program your DSTAR radio parameters.

SSTV text chat and file transfer is also possible on DSTAR too.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
WAC BASIC CW PHONE SATELLITE

2749. Re: [amsat-bb] Re: Increasing range from LEO/SpaceX/APRS

Yahoo group: eu-amsat
Date: 2009-09-05 03:22:27 UTC
From: Luc Leblanc
Topic: 2748 Message: 2749

On 4 Sep 2009 at 21:17, Dave Webb KB1PVH wrote:

Date sent: Fri, 04 Sep 2009 21:17:10 +0000
From: Dave Webb KB1PVH <kb1pvh@...>
Subject: Re: [amsat-bb] Re: Increasing range from LEO/SpaceX/APRS
To: Luc Leblanc <lucleblanc6@...>
Send reply to: kb1pvh@...

> Hey Luc,
>
> I want to give it a try with D Star on AO-27 this weekend with you. Let me know what passes work for you.
>
>
>
> Dave KB1PVH
>
Hi Dave

It is 2253 edt and i just came back from a ham dealer with the Icom DSTAR VHF and controller unit to switch one of our analog club machine to DSTAR system. With the long labor day week end i will rearrange my setup for
DSTAR.

for sept 5 here is the TEPR time who match a mutual window between us.

Time (UTC) Mode

Sat Sep 5 17:27:37 2009 Digital Med
Sat Sep 5 17:27:57 2009 Analogue Med
Sat Sep 5 17:34:57 2009 Digital Med
Sat Sep 5 17:35:57 2009 OFF

Sat Sep 5 19:08:25 2009 Digital Med
Sat Sep 5 19:08:45 2009 Analogue Med
Sat Sep 5 19:15:45 2009 Digital Med
Sat Sep 5 19:16:45 2009 OFF

Nothing for the 6 and i will check for the 7 later. I will be there on both pass.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2750. DSTAR on AO-27

Yahoo group: eu-amsat
Date: 2009-09-05 17:58:15 UTC
From: Luc Leblanc
Topic: 2750 Message: 2750

A quick test on the 1330 pass using DSTAR was successful i was able to hear my downlink with my call sign data Q5 with a clear crisp audio
as good as the terrestrial DSTAR audio. But no one else seems to be on at that time.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2751. RE: [eu-amsat] DSTAR on AO-27

Yahoo group: eu-amsat
Date: 2009-09-05 18:28:03 UTC
From: John Hackett
Topic: 2750 Message: 2751

Hi Luc,
I have an IC-E92D D-Star radio but have little or no use for it.

Unfortunately, AO-27 is never switched on in range of my QTH which is also
500km from the only D-Star repeater in Norway - so D-Star is a non-starter
here.

It will be interesting to see if the Oufti D-Star satellite becomes a reality.

<http://www.leodium.ulg.ac.be/cmsms/index.php?page=in-english>

One can of course use Dan's D-RATS program but then one may as well just
use Echolink or CQ100 if one wants to communicate via the internet ... or MSN,
of course.

I was told that D-Star was only welcome by special schedule on AO-51 but I seriously doubt
if there would be enough experimenters to warrant a request.

I didn't bother to enquire about D-Star on VO-52 because I was severely flamed
for even daring to suggest such a thing.

Like Dylan said in the 60's ... "the times they are a-changing".

How was the doppler on AO-27 ??.

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sat, 5 Sep 2009 13:58:15 -0400
Subject: [eu-amsat] DSTAR on AO-27

A quick test on the 1330 pass using DSTAR was successful i was able to hear my downlink
with my call sign data Q5 with a clear crisp audio

as good as the terrestrial DSTAR audio. But no one else seems to be on at that time.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

2752. RE: [eu-amsat] DSTAR on AO-27

Yahoo group: eu-amsat
Date: 2009-09-05 19:16:48 UTC
From: Luc Leblanc
Topic: 2750 Message: 2752

Hi John

Don't discard your IC-E92D yet for your concern on DSTAR operation just have a look at the AO-27 control operator invitation.

"The AO-27 Control Operators fully support and encourage the use of D-Star via Satellite on AO-27.

A shout goes out to ICOM for creating Radios for this Fun new Amateur mode of operation. Without their radios we could not have made this
contact.

- Michael
N3UC
AO-27 Control Operator"

Yes times are changing and like it or not the internet is now a part of our life just look how the text messaging is raging on cell phones
and MSM is a way of life. My teenager niece use to know my son broke with his girlfriend before he decided to make us aware of it...

It is a mater of time for DSTAR to appears on amateur satellite. For this morning pass i was alone as Dave got a very low pass. Doppler is
really an issue with 5 khz step the first AO-27 test in 2007 also experience the same issues with doppler and here what they wrote about
it:

"The D-Star signal would decode out to about 1.5 KHz in frequency error. The IC-2820 would only tune on 5 KHz spacing (the 6.25 KHz
channels did not fall in the right locations to help.) so at times we could not decode the digital signals."

I got the very same results but as soon as AO-27 get over 15 degrees i was able to have Q5 copy. Dave KB1PVH was there but he's having to
switch between memory channel as he was unable to have full duplex. Here i was using an ID-800H and an IC-2200H making possible to hear my
downlink with a noticeable delay in the voice due to the coding and decoding time.

The AO-27 web page http://www.ao27.org/AO27/index.shtml already give a lot of details for those who want to try DSTAR satellite
communication.

I will try to record a pass to show how the audio quality is lets say a no QRM QRN crystal clear audio.

I will try some test overnight as all the sat fleet is 100 % unused. For your VO-52 suggestion i was made aware that a lot of FM are done
over india an over south east Asia area i even heard a full pass direct FM QSO between to

US VHF station and they where Q5 most of the
time.

It ain't breaking anything but principles but there is some who will spend their entire life on them. like asking permission first to fart
in public.

Just hope for some more DSTAR on the birds soon "OUFTI-1 will be the first satellite to test the use of the D-STAR communication protocol
in space."

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2753. RE: [eu-amsat] DSTAR on AO-27

Yahoo group: eu-amsat
Date: 2009-09-05 19:39:42 UTC
From: John Hackett
Topic: 2750 Message: 2753

Excellent Luc,
Yes, it's a real pity that AO-27 is never on over my QTH.

I did read about the first D-Star QSO via satellite on AO-27 quite some time ago.

As for VO-52 ... Agreed !!! re the FM contacts over India and Asia.

Personally, I really don't !!! see the problem if one was to use D-Star with low power. People are always complaining that nobody is on the satellite anyway !!!.

I don't expect there would be a problem to passing D-Star through the VO-52 transponder ... (comments folks ???).

I have the gear here so I may as well give it a try!.

(Shoot me later).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sat, 5 Sep 2009 15:16:48 -0400
Subject: RE: [eu-amsat] DSTAR on AO-27

Hi John

Don't discard your IC-E92D yet for your concern on DSTAR operation just have a look at the AO-27 control operator invitation.

"The AO-27 Control Operators fully support and encourage the use of D-Star via Satellite on AO-27.

A shout goes out to ICOM for creating Radios for this Fun new Amateur mode of operation. Without their radios we could not have made this

contact.

- Michael

N3UC

AO-27 Control Operator"

Yes times are changing and like it or not the internet is now a part of our life just look how the text messaging is raging on cell phones

and MSM is a way of life. My teenager niece use to know my son broke with his girlfriend before he decided to make us aware of it...

It is a mater of time for DSTAR to appears on amateur satellite. For this morning pass i was alone as Dave got a very low pass. Doppler is

really an issue with 5 khz step the first AO-27 test in 2007 also experience the same issues with doppler and here what they wrote about

it:

"The D-Star signal would decode out to about 1.5 KHz in frequency error. The IC-2820 would only tune on 5 KHz spacing (the 6.25 KHz

channels did not fall in the right locations to help.) so at times we could not decode the digital signals."

I got the very same results but as soon as AO-27 get over 15 degrees i was able to have Q5 copy. Dave KB1PVH was there but he's having to

switch between memory channel as he was unable to have full duplex. Here i was using an ID-800H and an IC-2200H making possible to hear my

downlink with a noticeable delay in the voice due to the coding and decoding time.

The AO-27 web page http://www.ao27.org/AO27/index.shtml already give a lot of details for those who want to try DSTAR satellite

communication.

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I will try some test overnight as all the sat fleet is 100 % unused. For your VO-52 suggestion i was made aware that a lot of FM are done

over india an over south east Asia area i even heard a full pass direct FM QSO between to US VHF station and they where Q5 most of the

time.

It ain't breaking anything but principles but there is some who will spend their entire life on them. like asking permission first to fart

in public.

Just hope for some more DSTAR on the birds soon "OUFTI-1 will be the first satellite to test the use of the D-STAR communication protocol

in space."

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

2754. LRO Alex project

Yahoo group: eu-amsat
Date: 2009-09-06 06:22:07 UTC
From: yo9gjx
Topic: 2754 Message: 2754

LRO and LCROSS reception project in S band from OZ9AEC
http://www.oz9aec.net/index.php/communications/286-new-vlog-introducing-the-s-band-ground-station-project-for-lrolcross-reception
http://wiki.oz9aec.net/index.php/Receiving_LRO_and_LCROSS
.....

http://lroc.sese.asu.edu/whereislro/

2755. DIGICON 09 IN IRELAND

Yahoo group: eu-amsat
Date: 2009-09-06 12:21:20 UTC
From: Thomas Frey
Topic: 2755 Message: 2755

THE SOCIAL SCENE: DIGICON 09 IN IRELAND SEPTEMBER 19

Turning to the ham radio social scene, word that the Northern Ireland Digital Communications Conference known as Digicon 09 takes place on Saturday September 19th . The venue is the Technology Education Center in Tyrone, Ireland. The Digicon 09 features lectures on D-STAR, Satellite Communication, Digital ATV, Echolink and more. Further details are on line at http://wtarc.co.uk/digicon.aspx (MI0MSO)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2756. This one is for newcomers

Yahoo group: eu-amsat
Date: 2009-09-07 13:04:51 UTC
From: allan_gm1sxx
Topic: 2756 Message: 2756

Hi group.

For newcomers to the group, I'd suggest a good place to start is in the Links section of this reflector where information can be found about satellites, orbital elements etc.

We *all* had to start somewhere and it's easy to forget the newcomers to the hobby. The Internet is a rich source of information on amateur satellites, so if you are reading this message, you already have accesss to a huge pool of information.

Remember that satellites are not always available. To know which ones are operational, the most up-to-date website without a doubt is that of DCarr/Bob Bruninga where many satellite users post their satellite availability status data.

You'll find this site at...
http://oscar.dcarr.org/

For the beginner, things can look rather daunting but if you need help, ask! Thats a large part of the reason that Mak, John and I set up this group.

If anyone in the group has a favourite satellite website thats not listed in the links, please add it.

73 Al.
GM1SXX

2757. Re: [eu-amsat] This one is for newcomers

Yahoo group: eu-amsat
Date: 2009-09-07 15:38:43 UTC
From: Thomas Frey
Topic: 2756 Message: 2757

Hi Al

I have added AMSAT-DL in Google-English on the Links-page.

allan_gm1sxx schrieb:
> Hi group.
>
> For newcomers to the group, I'd suggest a good place to start is in the Links section of this reflector where information can be found about satellites, orbital elements etc.
>
> We *all* had to start somewhere and it's easy to forget the newcomers to the hobby. The Internet is a rich source of information on amateur satellites, so if you are reading this message, you already have accesss to a huge pool of information.
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> Remember that satellites are not always available. To know which ones are operational, the most up-to-date website without a doubt is that of DCarr/Bob Bruninga where many satellite users post their satellite availability status data.
>
> You'll find this site at...
> http://oscar.dcarr.org/
>
> For the beginner, things can look rather daunting but if you need help, ask! Thats a large part of the reason that Mak, John and I set up this group.
>
> If anyone in the group has a favourite satellite website thats not listed in the links, please add it.
>
> 73 Al.
> GM1SXX
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2758. RE: [eu-amsat] This one is for newcomers

Yahoo group: eu-amsat
Date: 2009-09-07 18:45:54 UTC
From: John Hackett
Topic: 2756 Message: 2758

Well done Thomas.

I hope others will follow suit (do the same) with their favourite satellite pages - if they're not already on the LINKS page.

It has been noted on the Amsat-bb that not everyone can follow slang or 'English' with the use of dielect. I'm also guilty of this. Therefore, please take into account the fact that English is often someone's second language, perhaps even their third - so an aside (note of translation) may be justified in certain cases.

Please use your judgement.

Thank you.

73 John.

EU-Amsat moderator.

<la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 7 Sep 2009 17:38:43 +0200
Subject: Re: [eu-amsat] This one is for newcomers

Hi Al

I have added AMSAT-DL in Google-English on the Links-page.

allan_gm1sxx schrieb:

> Hi group.

>

> For newcomers to the group, I'd suggest a good place to start is in the Links section of this reflector where information can be found about satellites, orbital elements etc.

>

> We *all* had to start somewhere and it's easy to forget the newcomers to the hobby. The Internet is a rich source of information on amateur satellites, so if you are reading this message, you already have accesss to a huge pool of information.

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satellite users post their satellite availability status data.

>

> You'll find this site at...

> http://oscar.dcarr.org/

>

> For the beginner, things can look rather daunting but if you need help, ask! Thats a large part of the reason that Mak, John and I set up this group.

>

> If anyone in the group has a favourite satellite website thats not listed in the links, please add it.

>

> 73 Al.

> GM1SXX

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2759. Re: [eu-amsat] This one is for newcomers

Yahoo group: eu-amsat
Date: 2009-09-07 23:11:08 UTC
From: Thomas Frey
Topic: 2756 Message: 2759

John Hackett schrieb:
>
>
> Well done Thomas.

Hello John

>
> I hope others will follow suit (do the same) with their favourite
> satellite
> pages - if they're not already on the LINKS page.

OK, but it's not the goal to build a link farm on this site :-)
In minimum you can add your local AMSAT-group.

>
> It has been noted on the Amsat-bb that not everyone can follow slang or
> 'English' with the use of dielect. I'm also guilty of this. Therefore,
> please
> take into account the fact that English is often someone's second
> language,
> perhaps even their third - so an aside (note of translation) may be
> justified
> in certain cases.
>
> Please use your judgement.
>
> Thank you.
>
> 73 John.
>
> EU-Amsat moderator.
>
> <la2qaa@...>
>
> ---

It is very difficult to write in a forum/group, if you don't see the
face of your partner and you don't hear the tone of his voice. With
respect and foresight it would be no problem to discuss themes. On the
AMSAT-BB I can often see, that the gentlemen hacks a text in their
keyboard without any brain. This is the reason, why many threads
degenerates.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2760. World space week

Yahoo group: eu-amsat
Date: 2009-09-08 06:07:04 UTC
From: Luc Leblanc
Topic: 2760 Message: 2760

Just to inform our AMSAT'S about this event! It will be a great media platform even more if ISS can be activated (Cross band repeater or
direct crew contact) during this period October 4 to 10.

What is World Space Week?

It is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United
Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. These dates commemorate two
events:

* October 4, 1957 -- Launch of the first human-made Earth satellite, Sputnik 1, thus opening the way for space exploration
* October 10, 1967 - The signing of the Treaty on Principles Governing the Activites of States in the Exploration and Peaceful Uses of
Outer Space, including the Moon and Other Celestial Bodies.

Where and how is World Space Week celebrated?

It is open to all. Government agencies, industry, non-profit organizations, teachers, or even individuals can organize events to celebrate
space. This week is coordinated by the United Nations with the support of World Space Week Association and local coordinators in many
countries. Information on the many locations and countries that celebrate World Space Week can be found here.

What are the benefits of World Space Week?

* Educates people around the world about the benefits they receive from space
* Encourages greater use of space for sustainable economic development
* Demonstrates public support for space programs
* Excites children about learning and their future
* Promote institutions around the world that are involved in space
* Fosters international cooperation in space outreach and education

How can schools participate?

This event is ideal for teachers to promote student interest in science and math. A free Teacher's Activity Guide is available here. To
encourage participation, World Space Week Association gives various educational awards each year.

What can I do for World Space Week?

There are many ways to get involved:

* Volunteer for World Space Week Association
* Organize an event directly
* Help expand and coordinate World Space Week
* Encourage teachers and students to do space-related activities

More on:

http://www.worldspaceweek.org/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2761. ITAR vs cooperation? or bull..dozer;)

Yahoo group: eu-amsat
Date: 2009-09-08 07:44:10 UTC
From: Luc Leblanc
Topic: 2761 Message: 2761

From AMSAT-NA web page who was updated: 23 Aug, 09

excerpt:

AMSAT Files CJ Requests with US State Department

"AMSAT's involvement with P3-E halted in 2006 due to concerns over possible ITAR violations."

Did anyone can explain why is it possible to say "AMSAT's involvement with P3-E halted in 2006 due to concerns over possible ITAR
violations" when i wrote about the memorandum (see below) on February 22 2007 as this paper has been signed prior to February 2007 in 2006?

Even if ITAR does not apply to information related to general scientific, mathematical or engineering principles that is commonly taught
in schools and colleges or information that is (legitimately) in the public domain. Nor does it apply to general marketing information or
basic system descriptions. (see below)

How the cooperation between AMSAT-NA and AMSAT-DL and AMSAT-UK stopped in 2006 when theses 3 gentlemens
Peter DB2OS for AMSAT-DL, Rick W2GPS for AMSAT-NA, Jim G3WGM for AMSAT-UK signed a memorandum of understanding and cooperation the same
very year??? They where surely not all out of their mind in 2006 or it is something else?

And why asking in January 2009 3 years later for a V'oluntary Disclosure' (Not a VOLUNARY a typo on the AMSAT web page) when most of the
amateur ham stuff is already in the public domain area? It is the same as if you are speeding and you go back to your police station 3
years later telling them you violate the law 3 years ago!!! or is it a way to justify their inaction refusing to get any blame?

What it is the most intriguing is the time frame and the fact they relate the cooperation stopping to ITAR in 2006 when they signed a
memorandum of understanding and cooperation at the same time? There is something here who does not added up.

Could be it is a way to try hiding their poor management past years record? or something we should ask to Gomez Addams or to his lovely
pale skin and a Gothic appearance wife Morticia Addams?

It is a lot of good questions to be ask at the next AMSAT-NA symposium Board of Directors general meeting in October?

Memorandum of Understanding between
AMSAT-DL, AMSAT-UK and AMSAT-NA

AMSAT-DL for the last five years has been building the P3-E spacecraft to be launched into a HEO and intended as a replacement for previous P3 satellites. It's purpose is to facilitate communication between radio-amateurs worldwide and at the same time to test and verify technologies and procedures needed for the P5-A mission to Mars. AMSAT-DL to this day has invested about 500,000 Euro into this project.

AMSAT-NA and AMSAT-UK wish to contribute to the P3-E project, primarily with the goal to have the launch of P3-E as early as possible in order to give to their respective members the use of the communication services provided by P3-E.

It is recognized that the capability of AMSAT-DL to raise funds limits the speed of the development of P3-E. In order to make a launch possible in 2008, AMSAT-DL has an immediate need of 40,000 Euro and an estimated need of ~200,000

Euro prior to the actual launch-date. AMSAT-NA and AMSAT-UK wish to help with the raising of these requirements by providing 30,000 Euro (AMSAT-NA) and 10,000 Euro (AMSAT-UK) in the near future. Furthermore, they wish to contribute

by raising additional funding as the actual launch arrangements materialize.

In order to achieve an effective cooperation in the funding effort and the construction and launching of P3-E, the following details to implement the cooperation are agreed:

1. The three AMSAT organizations will closely coordinate their activities and monitor progress of the project by frequent mutual consultations on the telephone. To this end the three parties will hold nominally a monthly telephone conference to review the status of the project and to identify problem areas. At this time the three organizations will be represented by Rick, Jim and Peter at these telephone-conferences.

2. According to need, the three organizations agree to hold sufficiently frequent meetings in person to review the project status. These meetings are assumed to be desirable with a frequency of 6-12 month between them.

3. It is understood by all three organizations that procuring a timely launch for P3-E is one of the bigger challenges of the project. AMSAT-DL is concentrating major efforts of procuring a launch with Arianespace, while AMSAT-NA is trying to develop a launch opportunity within the USA. All parties recognize that major progress in funding is contingent on a firm launch agreement. All parties further recognize that a timely construction and integration of P3-E is critically dependent on all parties giving highest priority to fulfilling their respective commitments.

4. All three organizations understand that funding progress is dependent on effective information dissemination worldwide. To this end the three organizations reiterate their mutual agreement that each organization can publish all P3-E related publications of the other two organizations in their respective public organs without special permission. Furthermore, each organization is free to prepare 'official' statements about the project, but these publications must be agreed with the project management of P3-E (AMSAT-

DL) prior to publication. Requests for agreement to publish will be sent to Peter (or another person chosen by him), who will use best efforts to respond within 7 days with an answer. With other publications by individual authors no such agreement is necessary provided that the context makes it is clear that the publication is not an official declaration by the project management or AMSAT-DL.

5. AMSAT-DL reiterates that the operational use of P3-E will be primarily to provide amateur radio communication services. But all parties also understand that the spacecraft is a dual service satellite, and that AMSAT-DL retains the right to occasionally reduce the provision of amateur radio services if work towards P5-A requires this. A-DL will use due diligence to minimize the impact of the P5-A requirements on the provision of amateur services.

For AMSAT-DL For AMSAT-NA For AMSAT-UK

Peter DB2OS Rick W2GPS J Jim G3WGM

Just check here for the proof
http://www.amsat.org/amsat/archive/amsat-bb/200702/msg00394.html

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The ITAR public domain exclusions

§ 120.11 Public domain.
(a) Public domain means information
which is published and which is generally
accessible or available to the
public:
(1) Through sales at newsstands and
bookstores;
(2) Through subscriptions which are
available without restriction to any individual
who desires to obtain or purchase
the published information;
(3) Through second class mailing
privileges granted by the U.S. Government;
(4) At libraries open to the public or
from which the public can obtain documents;
(5) Through patents available at any
patent office;
(6) Through unlimited distribution at
a conference, meeting, seminar, trade
show or exhibition, generally accessible
to the public, in the United
States;
(7) Through public release (i.e., unlimited
distribution) in any form (e.g.,
not necessarily in published form) after
approval by the cognizant U.S. government

department or agency (see also
§ 125.4(b)(13) of this subchapter);
(8) Through fundamental research in
science and engineering at accredited
institutions of higher learning in the
U.S. where the resulting information is
ordinarily published and shared broadly
in the scientific community. Fundamental
research is defined to mean
basic and applied research in science
and engineering where the resulting information
is ordinarily published and
shared broadly within the scientific
community, as distinguished from research
the results of which are restricted
for proprietary reasons or specific
U.S. Government access and dissemination
controls. University research
will not be considered fundamental
research if:
(i) The University or its researchers
accept other restrictions on publication
of scientific and technical information
resulting from the project or
activity, or
(ii) The research is funded by the
U.S. Government and specific access
and dissemination controls protecting
information resulting from the research
are applicable.
(b) [Reserved]

PS. Did any one ever heard of any report about the memorandum and the way it works since 2006?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2762. Re: This one is for newcomers

Yahoo group: eu-amsat
Date: 2009-09-08 11:19:02 UTC
From: allan_gm1sxx
Topic: 2756 Message: 2762

Hi group.

I asked that you add your favourite satellite links to the website.
I believe that posting satellite related links makes it more useful to newcomers, by having many relevant links in one place. Hopefully most of the AMSAT 'national' websites are now represented. If not, please feel free to add them, along with *any* other material you think is relevant, especially to newcomers.

Perhaps you know of a useful item, such as an article or perhaps a Powerpoint presentation for newecomers? This would also be most welcome. It's your group, so please contribute.

73 Al.
GM1SXX

2763. Re: [eu-amsat] ITAR vs cooperation? or bull..dozer;)

Yahoo group: eu-amsat
Date: 2009-09-08 11:55:08 UTC
From: Thomas Frey
Topic: 2761 Message: 2763

Hello Luc

I can't answer all your questons, please read the following article
on the AMSAT-DL homepage:
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=173&Itemid=97

You can translate it with Google to your language. I hope, you can find
a few answers. For specific answers there are also any OM's around here,
I think.

Luc Leblanc schrieb:
> >From AMSAT-NA web page who was updated: 23 Aug, 09
>
> excerpt:
>
> AMSAT Files CJ Requests with US State Department
>
> "AMSAT's involvement with P3-E halted in 2006 due to concerns over possible ITAR
violations."
>
>
> Did anyone can explain why is it possible to say "AMSAT's involvement with P3-E halted in
2006 due to concerns over possible ITAR
> violations" when i wrote about the memorandum (see below) on February 22 2007 as this
paper has been signed prior to February 2007 in 2006?
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> in schools and colleges or information that is (legitimately) in the public domain. Nor
does it apply to general marketing information or
> basic system descriptions. (see below)
>
> How the cooperation between AMSAT-NA and AMSAT-DL and AMSAT-UK stopped in 2006 when
theses 3 gentlemens
> Peter DB2OS for AMSAT-DL, Rick W2GPS for AMSAT-NA, Jim G3WGM for AMSAT-UK signed a
memorandum of understanding and cooperation the same
> very year??? They where surely not all out of their mind in 2006 or it is something else?
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> And why asking in January 2009 3 years later for a V'oluntary Disclosure' (Not a VOLUNARY
a typo on the AMSAT web page) when most of the
> amateur ham stuff is already in the public domain area? It is the same as if you are
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> years later telling them you violate the law 3 years ago!!! or is it a way to justify
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> What it is the most intriguing is the time frame and the fact they relate the cooperation

stopping to ITAR in 2006 when they signed a
> memorandum of understanding and cooperation at the same time? There is something here who does not added up.
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> Could be it is a way to try hiding their poor management past years record? or something we should ask to Gomez Addams or to his lovely
> pale skin and a Gothic appearance wife Morticia Addams?
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>
> It is a lot of good questions to be ask at the next AMSAT-NA symposium Board of Directors general meeting in October?
>
>
>
>
> Memorandum of Understanding between
> AMSAT-DL, AMSAT-UK and AMSAT-NA
>
>
> AMSAT-DL for the last five years has been building the P3-E spacecraft to be
> launched into a HEO and intended as a replacement for previous P3 satellites.
> It's purpose is to facilitate communication between radio-amateurs worldwide
> and at the same time to test and verify technologies and procedures needed for
> the P5-A mission to Mars. AMSAT-DL to this day has invested about 500,000 Euro
> into this project.
>
>
> AMSAT-NA and AMSAT-UK wish to contribute to the P3-E project, primarily with
> the goal to have the launch of P3-E as early as possible in order to give to
> their respective members the use of the communication services provided by P3-
> E.
>
>
> It is recognized that the capability of AMSAT-DL to raise funds limits the
> speed of the development of P3-E. In order to make a launch possible in 2008,
> AMSAT-DL has an immediate need of 40,000 Euro and an estimated need of ~200,000
>
> Euro prior to the actual launch-date. AMSAT-NA and AMSAT-UK wish to help with
> the raising of these requirements by providing 30,000 Euro (AMSAT-NA) and
> 10,000 Euro (AMSAT-UK) in the near future. Furthermore, they wish to contribute
>
> by raising additional funding as the actual launch arrangements materialize.
>
>
> In order to achieve an effective cooperation in the funding effort and the
> construction and launching of P3-E, the following details to implement the
> cooperation are agreed:
>
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> 1. The three AMSAT organizations will closely coordinate their activities
> and monitor progress of the project by frequent mutual consultations on the

> telephone. To this end the three parties will hold nominally a monthly
> telephone conference to review the status of the project and to identify
> problem areas. At this time the three organizations will be represented by
> Rick, Jim and Peter at these telephone-conferences.
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> assumed to be desirable with a frequency of 6-12 month between them.
>
> 3. It is understood by all three organizations that procuring a timely
> launch for P3-E is one of the bigger challenges of the project. AMSAT-DL is
> concentrating major efforts of procuring a launch with Arianespace, while AMSAT-
> NA is trying to develop a launch opportunity within the USA. All parties
> recognize that major progress in funding is contingent on a firm launch
> agreement. All parties further recognize that a timely construction and
> integration of P3-E is critically dependent on all parties giving highest
> priority to fulfilling their respective commitments.
>
> 4. All three organizations understand that funding progress is dependent on
> effective information dissemination worldwide. To this end the three
> organizations reiterate their mutual agreement that each organization can
> publish all P3-E related publications of the other two organizations in their
> respective public organs without special permission. Furthermore, each
> organization is free to prepare 'official' statements about the project, but
> these publications must be agreed with the project management of P3-E (AMSAT-
> DL) prior to publication. Requests for agreement to publish will be sent to
> Peter (or another person chosen by him), who will use best efforts to respond
> within 7 days with an answer. With other publications by individual authors no
> such agreement is necessary provided that the context makes it is clear that
> the publication is not an official declaration by the project management or
> AMSAT-DL.
>
> 5. AMSAT-DL reiterates that the operational use of P3-E will be primarily to
> provide amateur radio communication services. But all parties also understand
> that the spacecraft is a dual service satellite, and that AMSAT-DL retains the
> right to occasionally reduce the provision of amateur radio services if work
> towards P5-A requires this. A-DL will use due diligence to minimize the impact
> of the P5-A requirements on the provision of amateur services.
>
>
> For AMSAT-DL For AMSAT-NA For AMSAT-UK
>
> Peter DB2OS Rick W2GPS J Jim G3WGM
> ---
>
> Just check here for the proof
> http://www.amsat.org/amsat/archive/amsat-bb/200702/msg00394.html
>
> ---
>

> The ITAR public domain exclusions
>
> ? 120.11 Public domain.
> (a) Public domain means information
> which is published and which is generally
> accessible or available to the
> public:
> (1) Through sales at newsstands and
> bookstores;
> (2) Through subscriptions which are
> available without restriction to any individual
> who desires to obtain or purchase
> the published information;
> (3) Through second class mailing
> privileges granted by the U.S. Government;
> (4) At libraries open to the public or
> from which the public can obtain documents;
> (5) Through patents available at any
> patent office;
> (6) Through unlimited distribution at
> a conference, meeting, seminar, trade
> show or exhibition, generally accessible
> to the public, in the United
> States;
> (7) Through public release (i.e., unlimited
> distribution) in any form (e.g.,
> not necessarily in published form) after
> approval by the cognizant U.S. government
> department or agency (see also
> ? 125.4(b)(13) of this subchapter);
> (8) Through fundamental research in
> science and engineering at accredited
> institutions of higher learning in the
> U.S. where the resulting information is
> ordinarily published and shared broadly
> in the scientific community. Fundamental
> research is defined to mean
> basic and applied research in science
> and engineering where the resulting information
> is ordinarily published and
> shared broadly within the scientific
> community, as distinguished from research
> the results of which are restricted
> for proprietary reasons or specific
> U.S. Government access and dissemination
> controls. University research
> will not be considered fundamental
> research if:
> (i) The University or its researchers
> accept other restrictions on publication

> of scientific and technical information
> resulting from the project or
> activity, or
> (ii) The research is funded by the
> U.S. Government and specific access
> and dissemination controls protecting
> information resulting from the research
> are applicable.
> (b) [Reserved]
>
>
> PS. Did any one ever heard of any report about the memorandum and the way it works since 2006?
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
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>
> Yahoo! Groups Links
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>

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2764. Links section reorganised

Yahoo group: eu-amsat
Date: 2009-09-08 15:15:25 UTC
From: allan_gm1sxx
Topic: 2764 Message: 2764

Hi Group.

I've reorganised the links section to separate material in different categories to make life easier. I also hope to add a few more things of interest for the newcomer.

73 Al.
GM1SXX

2765. Re: [eu-amsat] Links section reorganised

Yahoo group: eu-amsat
Date: 2009-09-08 16:48:54 UTC
From: Thomas Frey
Topic: 2764 Message: 2765

allan_gm1sxx schrieb:
> Hi Group.
>
> I've reorganised the links section to separate material in different categories to make life easier. I also hope to add a few more things of interest for the newcomer.
>
> 73 Al.
> GM1SXX
>
>

Good, I have added a few...

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2766. My first DSTAR satellite transmission.

Yahoo group: eu-amsat
Date: 2009-09-08 19:48:40 UTC
From: Luc Leblanc
Topic: 2766 Message: 2766

I put the recording of my first DSTAR experience on satellite over the week end. Dave KB1PVH was there too trying this mode but we will
have to set another session to have a QSO. With the proper doppler correction it is possible to have an AOS to LOS QSO but the 500khz step
of the Icom radio does not give a full doppler correction making the downlink harder to decode at time. At TCA performance are quite good.

Radio used are in the first picture. ID-800H and IC-2200H

See it on www.qsl.net/ve2dwe
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2767. Simon 2E0HTS and stuff for beginners

Yahoo group: eu-amsat
Date: 2009-09-10 10:14:20 UTC
From: allan_gm1sxx
Topic: 2767 Message: 2767

Hi folks,

I'd like to welcome Simon 2E0HTS to the group as a new member. Simon has posted some material on Youtube re satellites, and I liked one item so much that I pasted it (with his permission) into a very short introductory article aimed at newcomers to the hobby.

The movie shows Simon operating AO51 using a couple of radios and a tracking chart lashed to a hand held Arrow antenna. Attaboy!
It does a fair bit to dispel the persistent myth that you need very deep pockets to operate satellite.

If you are a newcomer, this one is specially for you. You can access the article by just going to www.observations.biz and clicking on the link...."For the newcomer. Working AO51. plus a movie."

You can also dowload VLC player, via an link on the page, should you need a player for MP4 video files.

Thanks Simon, and keep up the good work.

73 Al.
GM1SXX

2768. Are Sunspots Disappearing?

Yahoo group: eu-amsat
Date: 2009-09-11 05:10:33 UTC
From: Luc Leblanc
Topic: 2768 Message: 2768

An unattended helper will probably be the new hope for amateur satellite! No more HF propagation only the satellite will remain just read
it at: http://science.nasa.gov/headlines/y2009/03sep_sunspots.htm?friend%29
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2769. Re: Are Sunspots Disappearing?

Yahoo group: eu-amsat
Date: 2009-09-11 08:23:07 UTC
From: allan_gm1sxx
Topic: 2768 Message: 2769

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> An unattended helper will probably be the new hope for amateur satellite! No more HF propagation only the satellite will remain just read
> it at: http://science.nasa.gov/headlines/y2009/03sep_sunspots.htm?friend%29
> "-"
An interesting story, and for sure, the sun is in the Doldrums, but I think it's premature to predict the end of sunspots. After all, in real terms, we don't have much of a database to draw conclusions.
A statistician would probably laugh at the idea of infering so much from so little data.
The truth is that we don't really know enough about the sun's behaviour to predict the 'solar weather'. After all, we can't even do it properly for Earth's weather :-)

73 Al.
GM1SXX

2770. Re: [eu-amsat] Re: Are Sunspots Disappearing?

Yahoo group: eu-amsat
Date: 2009-09-11 13:21:00 UTC
From: Luciano Nachif
Topic: 2768 Message: 2770

To all,

although we read news regarding the end of sunspots, I would like to emphasize that 40 meters propagation has been opened most every night.
I have been listening to European stations which are S9+ on my Yaesu FT-890. I also hear lots of Americans and Japaneses. Most of all them will meet or exceed the S9 level.
So, if that is the sun cycle lowest, I cannot wait for a peak.

73,
Luciano PT9KK

--- On Fri, 9/11/09, allan_gm1sxx <allan_gm1sxx@...> wrote:

From: allan_gm1sxx <allan_gm1sxx@hotmail.com>
Subject: [eu-amsat] Re: Are Sunspots Disappearing?
To: eu-amsat@yahoogroups.com
Date: Friday, September 11, 2009, 3:23 AM

--- In eu-amsat@yahoogroup s.com, Luc Leblanc <lucleblanc6@ ...> wrote:
>
>
> An unattended helper will probably be the new hope for amateur satellite! No more HF propagation only the satellite will remain just read
> it at: http://science. nasa.gov/ headlines/ y2009/03sep_ sunspots. htm?friend% 29
> "-"
An interesting story, and for sure, the sun is in the Doldrums, but I think it's premature to predict the end of sunspots. After all, in real terms, we don't have much of a database to draw conclusions.
A statistician would probably laugh at the idea of infering so much from so little data.
The truth is that we don't really know enough about the sun's behaviour to predict the 'solar weather'. After all, we can't even do it properly for Earth's weather :-)

73 Al.
GM1SXX

2771. Re: Are Sunspots Disappearing?

Yahoo group: eu-amsat
Date: 2009-09-14 07:41:54 UTC
From: allan_gm1sxx
Topic: 2768 Message: 2771

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> An unattended helper will probably be the new hope for amateur satellite! No more HF propagation only the satellite will remain just read
> it at: http://science.nasa.gov/headlines/y2009/03sep_sunspots.htm?friend%29
> "-"

And NOAA suggest differently. See
http://www.swpc.noaa.gov/ftpdir/weekly/Predict.txt

OK, it'll probably be a poor cycle for radio amateurs compared to what previous cycles, but the solar cycle is still coming.

73 Al.
GM1SXX

2772. Re: [amsat-bb] ISS and VHF data communications

Yahoo group: eu-amsat
Date: 2009-09-14 09:28:16 UTC
From: Luc Leblanc
Topic: 2772 Message: 2772

On 14 Sep 2009 at 0:16, Rocky Jones wrote:

Date sent: Mon, 14 Sep 2009 00:16:20 -0500
From: Rocky Jones <orbitjet@...>
Subject: [amsat-bb] ISS and VHF data communications
To: Amsat BB <amsat-bb@...>

>
> http://www.space-travel.com/reports/Ship_Tracking_From_The_ISS_999.html
>
> Robert WB5MZO
>

This part is intriguing

"NORAIS is bound for Columbus, the European space laboratory on the International Space Station.
This winter a specially constructed antennae will be brought to the ISS and fitted on the outside of Columbus.
From then on, the testing of NORAIS will start."

As the VHF and UHF antenna where not installed on the columbus module even after asking for money "ARISS-Europe renews the call for
donations to the IARU and AMSAT societies as well as to their members individually.A financial account has been opened by AMSAT Belgium.
Donators within the European Union will not have to pay any additional banking costs (beyond the costs of a national money transfer) if
they use the following international banking number (IBAN) and mention the international identification code (BIC)"

See: http://www.arrl.org/news/stories/2007/03/21/100/?nc=1

I was under the impression that my contribution will give us another opportunity to have a new space transponder but what i was able to get
is a bit frustrating There will not have any VHF/UHF capabilities but (Qoute-1) "the intention is to build a wideband transponder, L-band
uplink, S-band downlink. Moreover, digital ATV is also thought of. Anyway, among many other aspects, equipment volume, weight, power
consumption and heat budget are to be discussed with ESA and EADS". When i donate to help funding the project i was under the impression my
money will at least give another easy available amateur transponder but it seems we will ended up with an nearly exclusive ARISS
transponder as the actual cross band repeater and the supposed always activated SSTV system are never activated.

Sorry for the donators but you will not be able to use your U/V system on the columbus amateur radio station. What it is even more curious

is we are literally flooded with ARISS contact news and pretty soon with ARISSAT as the ARISS actual goals seems to be directed towards the
suit-sat II replacement. But what about this remaining columbus L/S transponder? did anyone got any news about the activation of the
radio/transponder? what i was able to get is dated back in 2007. The funding never reach the intended target money wise nor project wise
too. I just hope someone in ARISS or in the AMSAT'S will be able to come up with some fresh news? My greatest fear is this NORAIS will
replace the amateur radio project and they will vever use the actual L/S amateur patch antenna! I just hope someone will tell me that i'm
wrong here. BUT if you read below an excerpt from the ARISS June 2009 it's not helping me dissipating my fears (Quote-2)

"VHF-UHF antennas
Mark Severance N5XWF gave an AIS presentation on the co-usage by ESA and ARISS of VHF antennas for AIS (Automatic Identification System),
the tracking system for ships. STS-129 should be the shuttle mission associated with the space walk that will take place for the
attachment of the antennas we will co-use. NASA will be responsible for cost of the spacewalk. ESA will be responsible for the cost of the
installation, for the cost of the clamp to install the antennas, and the cost for the integration of the clamp."

"Onboard equipment
At this annual meeting, we will discuss which radios to install in the Columbus module. The VHF Ericsson radio is on board in the Russian
segment. The UHF one, that has never been used, is in the JEM. We have one of the Kenwood D-700s, also.
We will get a great deal of help from NASA and ESA for the work on the safety certification and the cost of this, the cost for upmass, and
the expense for an operating location in the Columbus module."

Just for the record STS-129 launch is planned for November 12 2009 and we are on the 14 of September!!!

What it is the most disturbing is this section of the May 19 ARISS tele conference meeting (Quote-3) "Low upmass plans are more highly
favored, so re-use of existing on-orbit hardware will be a more favored approach. Finally, there will be technical discussions on the AIS
and ARISS antennas and their installation on the outside of the Columbus module. The results of these discussions would be briefed to the
ARISS-I team during the joint ARWG/ARISS-I meeting on Wednesday morning. "

Not a single word on the L/S system or is the money donated will be use to fund a joint venture with a non amateur radio system?

On the July teleconference we can read (quote-4) "At the meeting the most important topic was how we work with the space agencies education
office and installation of equipment on Columbus," All discussion where conducted behind close door?

I just hope someone in the ARISS organization will be able to get my questioning and that he can give a long overdue update on the Columbus
amateur radio station project

On this 2008 presentation they are telling there is NOW a possibility to have a VHF/UHF whip?
http://www.amsat.org/amsat/ariss/Meetings/2008_Moscow/Presentations/17_moscow2008Columbus_Project.pdf

And digital ATV to improve the future ARISS session but where the equipment will be available to decoded amateur DATV signal when doppler
correction will also be mandatory on this type of equipment? It is widely out of reach for an amateur stand point and we are heading
towards a near commercial type of system more than an amateur one.

We are facing a lot of outdated informations and very few fresh updated ones. A suggestion could be adding some fresh project news to the
regular ARISS contact news list will help us to sort out a bit the mess.

1-http://www.issfanclub.com/node/6824
http://www.ariss-eu.org/columbus.htm

2-http://www.rac.ca/ariss/ARISS-I 2009 Annual Mtg final edit minutes.doc

3-http://www.rac.ca/ariss/arisstel2009-05-19.htm
4-http://www.rac.ca/ariss/arisstel2009-07-21.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2773. Satellite launches this month

Yahoo group: eu-amsat
Date: 2009-09-14 10:56:19 UTC
From: Thomas Frey
Topic: 2773 Message: 2773

Hello All

Are you aware ? We have 2 launches this month, if they not "scrubbes" again. See infos about the Sats at
http://www.ne.jp/asahi/hamradio/je9pel/sumbandi.htm

Sumbandila: Sep 15
UWE-2/BeeSat/SwissCube 1/ITU-pSat: Sep 23
(http://www2.jpl.nasa.gov/calendar/#0909)

Lets the fingers crossed.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2774. I seem to have lost VO-52

Yahoo group: eu-amsat
Date: 2009-09-15 21:47:05 UTC
From: g0wxj
Topic: 2774 Message: 2774

Evening all,
Its been a while since i dusted off the kit and I have a problem with satpc32. For some reason when i select VO-52 there are no frequencies displayed and so no control. I did attempt to use HRD but gave up when poor G4UNX couldn't keep up with my frequency shifting about.

Anyone have any ideas? or perhaps a kind person could send me the doppler.sqx file which looks fine, but you never know.

73

Pete G0WXJ

2775. SumbandilaSat’s launch delayed for an other day

Yahoo group: eu-amsat
Date: 2009-09-16 13:07:40 UTC
From: Thomas Frey
Topic: 2775 Message: 2775

Read on
http://blogs.sun.ac.za/news/2009/09/15/sumbandilasat%e2%80%99s-launch-delayed-for-another-day/
and
http://www.southgatearc.org/news/september2009/live_coverage_of_sumbandilasat_launch.htm

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2776. Re: I seem to have lost VO-52

Yahoo group: eu-amsat
Date: 2009-09-16 14:28:32 UTC
From: jon.eyre
Topic: 2774 Message: 2776

--- In eu-amsat@yahoogroups.com, "g0wxj" <chairman@...> wrote:
>
> Evening all,
> Its been a while since i dusted off the kit and I have a problem with satpc32. For some reason when i select VO-52 there are no frequencies displayed and so no control. I did attempt to use HRD but gave up when poor G4UNX couldn't keep up with my frequency shifting about.
>
> Anyone have any ideas? or perhaps a kind person could send me the doppler.sqx file which looks fine, but you never know.
>
> 73
>
> Pete G0WXJ
This is the doppler file you need
VO-52,145900,435250.3,USB,LSB,REV,0,0
or
HAMSAT(VO-52),145900,435250.3,USB,LSB,REV,0,0

I have both then it doesn't matter where you get your kepps from.
Cheers Jon G7TZZ

2777. Launch live coverage.

Yahoo group: eu-amsat
Date: 2009-09-16 15:28:32 UTC
From: allan_gm1sxx
Topic: 2777 Message: 2777

Hi Group.

You can see live coverage of the METEOR-M/Sumbandila etc launch, due later this evening at...
http://www.tv-tsenki.com/live.php

(same time as before)

73 Al.
GM1SXX

2778. Re: [eu-amsat] Launch live coverage.

Yahoo group: eu-amsat
Date: 2009-09-16 18:15:55 UTC
From: Thomas Frey
Topic: 2777 Message: 2778

allan_gm1sxx schrieb:
> Hi Group.
>
> You can see live coverage of the METEOR-M/Sumbandila etc launch, due later this evening at...
> http://www.tv-tsenki.com/live.php
>
> (same time as before)
>
> 73 Al.
> GM1SXX
>
>

Hello Al

At about 16.00 MESZ I saw a clock on the feed, but at about 17.45
MESZ (UTC +2) only black. Was the launch successful or scrubbed again ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2779. (no subject)

Yahoo group: eu-amsat
Date: 2009-09-16 18:56:55 UTC
From: John Hackett
Topic: 2779 Message: 2779

Group,
As of 18:52 GMT ... 01:00 eastern standard time (Kazakhstan) I have
no information about Sumbandilasat.

The South African Amsat website was last updated yesterday, the 16th.

73 John. <La2qaa@...>

2780. Re: [eu-amsat] Launch live coverage.

Yahoo group: eu-amsat
Date: 2009-09-16 19:05:24 UTC
From: Trevor .
Topic: 2777 Message: 2780

This was posted on the AMSAT-SA site a couple of hours ago:

A few minutes before today's
launch (16 September) it was put on hold for 24 hours. A technical
problem in the fuel loading system was the cause of scrubbing the
launch. A special filter failed and will have to be replaced. It is
expected that the launch will be scheduled for 17 September at 18:55 CAT
(16:55). The final launch can only be confirmed by early afternoon
on 17 September.

73 Trevor M5AKA

2781. Fregat

Yahoo group: eu-amsat
Date: 2009-09-16 19:28:50 UTC
From: John Hackett
Topic: 2781 Message: 2781
Attachments: 1 described; binary payloads are missing from this source WARC

Group,
For those interested ... this is a Soyuz-2-1b (see pic). The observant will notice the resemblance to the R-7 - (which launched Sputnik on October the 4th, 1957) - The Fregat being the workhorse of the Russian Space program.

This Roscosmos yo-yo gave birth to the Russian adage ... "If it's not broken don't repair it". - (Eng: "Don't change a winning team").

73 John. <la2qaa@...>

2782. Meteor launch delayed, again.

Yahoo group: eu-amsat
Date: 2009-09-17 08:30:49 UTC
From: allan_gm1sxx
Topic: 2782 Message: 2782

Hi group.

The launch of the Meteor weathersat along with Sumbandila and others was scrubbed again, this time due technical reasons.
One source reports a problem with a filter, while another African source reports the bird as in orbit :-)

It's likely that another attempt will be made at launching today.
Since the primary payload is intended to be in a sun-synchronous orbit, it's a case of "same time, same channel".

Does anyone in the groups know the planned launch inclination? Traditionally, METEOR craft were launched from Plesetsk into sun-synchronous 81 degree orbits at around 540Kms to provide good all-round coverage of the Earth, but this one ie being launched from Baikonur for which 65 degrees is close to optimal. 81 degrees better suits a WXSAT operation because it allows more of the planet to be covered. It is of course, possible to make a plane-change 'dog-leg' manoeuver using the upper stage, to alter the inclination, but this is very expensive in terms of fuel and with such a large payload on board seems unlikely to me. I look forward to the eventual launch.
It will answer a few questions for me.

73 Al.
GM1SXX

2783. Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 08:35:44 UTC
From: allan_gm1sxx
Topic: 2783 Message: 2783

A few minutes before today's launch (16 September) it was put on hold for 24 hours. A technical problem in the fuel loading system was the cause of scrubbing the launch. A special filter failed and will have to be replaced. It is expected that the launch will be scheduled for 17 September at 18:55 CAT (16:55). The final launch can only be confirmed by early afternoon on 17 th.

2784. Re: [eu-amsat] Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 09:42:51 UTC
From: Thomas Frey
Topic: 2783 Message: 2784

allan_gm1sxx schrieb:
> A few minutes before today's launch (16 September) it was put on hold for 24 hours. A technical problem in the fuel loading system was the cause of scrubbing the launch. A special filter failed and will have to be replaced. It is expected that the launch will be scheduled for 17 September at 18:55 CAT (16:55). The final launch can only be confirmed by early afternoon on 17 th.
>
>
>

Hello group

I have trouble with the above given time. What is CAT ? Central Asian Time ? Kazakhstan has 2 timezones, 5 and 6 hours in top of UTC. But easier is the South African time given here:
http://blogs.sun.ac.za/news/2009/09/16/launch-for-stellenbosch-satellite-delayed-again/

"For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia."

If the launch is at 17:55 Johannesburg time (around 18:00 South African time and also MESZ), then the launch will hopefully be at 15:55 UTC, 1 hour earlier as given above. I made my investigations on http://www.timezoneconverter.com.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2785. Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 09:55:55 UTC
From: allan_gm1sxx
Topic: 2783 Message: 2785

> Hello group
>
> I have trouble with the above given time. What is CAT ? Central Asian

> "For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late > evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia."

Hi Thomas, you are right about the fact that the launch is rather time critical. It also needs to reach a specific altutude in order to be sun-synchronous. Here's what the big boys at the federation say.

"Start: 18:00 September 17, 2009 (Moscow time, MSKS). End: 21:00 September 17, 2009 (Moscow time, MSKS).
Launch time: 19:55:07 September 17, 2009 (Moscow time, MSKS)."

So 19:55:07 Moscow time is the nominal time for launch.

I hope that helps.

73 Al.
GM1SXX

2786. Re: [eu-amsat] Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 11:58:09 UTC
From: Thomas Frey
Topic: 2783 Message: 2786

allan_gm1sxx schrieb:
>> Hello group
>>
>> I have trouble with the above given time. What is CAT ? Central Asian
>>
>
>
>
>> "For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late > evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia."
>>
>
> Hi Thomas, you are right about the fact that the launch is rather time critical. It also needs to reach a specific altutude in order to be sun-synchronous. Here's what the big boys at the federation say.
>
> "Start: 18:00 September 17, 2009 (Moscow time, MSKS). End: 21:00 September 17, 2009 (Moscow time, MSKS).
> Launch time: 19:55:07 September 17, 2009 (Moscow time, MSKS)."
>
> So 19:55:07 Moscow time is the nominal time for launch.
>
> I hope that helps.
>
> 73 Al.
> GM1SXX
>
>
Yes, 19:55:07 Moscow time is also 15:55:07 UTC. The time given in brackets before (16:55) is definitely wrong. Anyway, keep the fingers crossed for a successful launch.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2787. Re: [eu-amsat] Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 12:12:59 UTC
From: Thomas Frey
Topic: 2783 Message: 2787

Now the confusion is complete. Southgate AR News writes the launch will
be at 14:55 UTC
http://www.southgatearc.org/news/september2009/sumbandilasat_launch_postponed.htm

The best will be you look every hour ;-)

Thomas Frey schrieb:
> allan_gm1sxx schrieb:
>
>>> Hello group
>>>
>>> I have trouble with the above given time. What is CAT ? Central Asian
>>>
>>>
>>
>>
>>> "For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late > evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia."
>>>
>>>
>> Hi Thomas, you are right about the fact that the launch is rather time critical. It also needs to reach a specific altutude in order to be sun-synchronous. Here's what the big boys at the federation say.
>>
>> "Start: 18:00 September 17, 2009 (Moscow time, MSKS). End: 21:00 September 17, 2009 (Moscow time, MSKS).
>> Launch time: 19:55:07 September 17, 2009 (Moscow time, MSKS)."
>>
>> So 19:55:07 Moscow time is the nominal time for launch.
>>
>> I hope that helps.
>>
>> 73 Al.
>> GM1SXX
>>
>>
>>
> Yes, 19:55:07 Moscow time is also 15:55:07 UTC. The time given in
> brackets before (16:55) is definitely wrong. Anyway, keep the
> fingers crossed for a successful launch.
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2788. Re: [eu-amsat] Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 12:30:09 UTC
From: Trevor .
Topic: 2783 Message: 2788

Looks like a typo on Southgate. AMSAT-SA are quoting 16:55 GMT (18:55 CAT) 73 Trevor M5AKA --- On Thu, 17/9/09, Thomas Frey wrote: From: Thomas Frey Subject: Re: [eu-amsat] Re: Launch scrub To: eu-amsat@yahoogroups.com Date: Thursday, 17 September, 2009, 1:12 PM Now the confusion is complete. Southgate AR News writes the launch will be at 14:55 UTC http://www.southgat earc.org/ news/september20 09/sumbandilasat _launch_postpone d.htm The best will be you look every hour ;-) Thomas Frey schrieb: > allan_gm1sxx schrieb: > >>> Hello group >>> >>> I have trouble with the above given time. What is CAT ? Central Asian >>> >>> >> >> >>> "For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late > evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia." >>> >>> >> Hi Thomas, you are right about the fact that the launch is rather time critical. It also needs to reach a specific altutude in order to be sun-synchronous. Here's what the big boys at the federation say. >> >> "Start: 18:00 September 17, 2009 (Moscow time, MSKS). End: 21:00 September 17, 2009 (Moscow time, MSKS). >> Launch time: 19:55:07 September 17, 2009 (Moscow time, MSKS)." >> >> So 19:55:07 Moscow time is the nominal time for launch. >> >> I hope that helps. >> >> 73 Al. >> GM1SXX >> >> >> > Yes, 19:55:07 Moscow time is also 15:55:07 UTC. The time given in > brackets before (16:55) is definitely wrong. Anyway, keep the > fingers crossed for a successful launch. > > Mit freundlichen Grüssen, Regards, 73 Thomas Frey, HB9SKA _____ _____ _____ _____ _____ _____ _ Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41 http://home. datacomm. ch/th.frey/

2789. Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 12:51:47 UTC
From: allan_gm1sxx
Topic: 2783 Message: 2789

Hi group.

Confusion? There is no confusion, so long as you consult the right people. The Federal Space Agency is a good place to start. See the Russian Federation websitesite TsENKI. TsENKI is at
http://www.tv-tsenki.com/index.php

The Roscosmos site (currently a day out of date) is at http://www.roscosmos.ru The other sites just seem to just be 'following' and are usually out or date or just plain inaccurate. One source even claimed the bird was launched yesterday (now changed I notice). Somehow I don't believe that either AMSAT or the Southgate ARC will be the first to know when the launch actually occurs.

73 Al.
GM1SXX

2790. Re: [eu-amsat] Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 12:24:13 UTC
From: Trevor .
Topic: 2783 Message: 2790

14:55 GMT, see
http://www.southgatearc.org/news/september2009/sumbandilasat_launch_postponed.htm

Apparently it's a multi drop launch, Meteorsat first then as the launcher heads back to the atmosphere SumbandilaSat is released.

73 Trevor M5AKA

--- On Thu, 17/9/09, allan_gm1sxx <allan_gm1sxx@...> wrote:

From: allan_gm1sxx <allan_gm1sxx@...>
Subject: [eu-amsat] Re: Launch scrub
To: eu-amsat@yahoogroups.com
Date: Thursday, 17 September, 2009, 10:55 AM

> Hello group
>
> I have trouble with the above given time. What is CAT ? Central Asian

> "For the satellite to be launched into a specific orbit around earth, the launch can only take place at a certain time, when it is late > evening (around 18:00 South African time) at the launch site in Baikunor, Kazakhstan in Central Asia."

Hi Thomas, you are right about the fact that the launch is rather time critical. It also needs to reach a specific altutude in order to be sun-synchronous. Here's what the big boys at the federation say.

"Start: 18:00 September 17, 2009 (Moscow time, MSKS). End: 21:00 September 17, 2009 (Moscow time, MSKS).
Launch time: 19:55:07 September 17, 2009 (Moscow time, MSKS)."

So 19:55:07 Moscow time is the nominal time for launch.

I hope that helps.

73 Al.
GM1SXX

2791. Re: Fregat - If it's not broken.....

Yahoo group: eu-amsat
Date: 2009-09-17 13:12:44 UTC
From: WILLIAMS MICHAEL
Topic: 2791 Message: 2791

Hi John,

Now that's a true statement.

I remember a building sign for a repair business that said " if we can't fix it, it must not be broke"

Mike (K9QHO)

2792. SumbandilaSat beacon ?

Yahoo group: eu-amsat
Date: 2009-09-17 13:39:57 UTC
From: Marco IK1ODO -2
Topic: 2783 Message: 2792

Is 435.300 MHz confirmed as SumbandilaSat beacon QRG?
Does anyone know if it is intended to switch on immediately after separation?

73 - Marco IK1ODO

2793. Re: [eu-amsat] Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-17 13:48:09 UTC
From: Luc Leblanc
Topic: 2783 Message: 2793

On 17 Sep 2009 at 5:30, Trevor . wrote:

>
>
>
> Now the confusion is complete. Southgate AR News writes the launch will
> be at 14:55 UTC
> http://www.southgat earc.org/ news/september20 09/sumbandilasat _launch_postpone d.htm
>
> The best will be you look every hour ;-)

Years ago some folks thinking an universal time standard based on meridian 0 will be the best way to dissipate any world time confusion. It
was GMT at first then UTC some still called it Zulu time.

But many are still reporting MSKS CAT just to make things a bit more complicated even NASA on NASA TV channel is using at times EDT CDT and
PDT. Why they don't use UTC is still a mystery just just have to know you time difference with UTC and no more confusion and no more
headaches with summer/winter time and who's is working with it or not and at what time they change it.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2794. Re: SumbandilaSat beacon ?

Yahoo group: eu-amsat
Date: 2009-09-17 14:00:42 UTC
From: allan_gm1sxx
Topic: 2783 Message: 2794

--- In eu-amsat@yahoogroups.com, Marco IK1ODO -2 <ik1odo@...> wrote:
>
> Is 435.300 MHz confirmed as SumbandilaSat beacon QRG?
> Does anyone know if it is intended to switch on immediately after separation?
>
> 73 - Marco IK1ODO
>
Don't get too excited Marco. The amateur payload is secondary to the mission and my understanding is that it will not be activated immediately after launch. As to the beacon frequency, I've drawn a blank on that. The usual sources seem to be very vague about the amateur payload.
Sumbandila is not a conventional amateur bird. Instead it's an amateur satellite package aboard a commercial LEO Earth Observation craft built by Sunspace.

See ...
http://space.skyrocket.de/index_frame.htm?http://space.skyrocket.de/doc_sdat/sumbandila.htm
and
http://www.sunspace.co.za/programmes/ZA002.htm
for more information.

73 Al.
GM1SXX

2795. Probably won't be active on separation.

Yahoo group: eu-amsat
Date: 2009-09-17 14:06:05 UTC
From: allan_gm1sxx
Topic: 2795 Message: 2795

A little bit of searching turned up this item from G4TUT.
Nothing on the beacon freq. though.

73 Al.
==========

>The Amateur Radio payload on SumbandilaSat comprises a V/U FM voice transponder with an uplink in the 2 metre band on 145.880 MHz and a downlink in the 70cm band at 435.350 MHz. It has a parrot repeater (voice digipeater) and a voice beacon.

>The Amateur Radio Payload will be operating in conjunction with the University of Stellenbosch Software Defined Receiver project as it will share the VHF receiver and UHF transmitter used by the SDR project.

>The satellite also carries a Very Low Frequency (VLF) radio experiment from the University of KwaZulu-Natal.

>Pieter ZS1PK/M0PAK says that the Amateur payload will probably not be switched on straight after launch. Commissioning is most likely to be performed from Stellenbosch South Africa only. So telemetry will only be heard whilst in contact with the groundstation and NOT on the amateur frequencies. There are a number of hams involved in the project so rest assured the amateur payload will be supported as soon as practical and safe.

2796. Re: [eu-amsat] Re: SumbandilaSat beacon ?

Yahoo group: eu-amsat
Date: 2009-09-17 14:17:03 UTC
From: Marco IK1ODO -2
Topic: 2783 Message: 2796

Thanks Al. I understand... in any case I will leave a Perseus SDR receiver monitoring that area of the spectrum this late afternoon.

I got the QRG from http://www.ne.jp/asahi/hamradio/je9pel/sumbandi.htm

Marco IK1ODO

At 16.00 17/09/2009, you wrote:

>Don't get too excited Marco. The amateur payload is secondary to the
>mission and my understanding is that it will not be activated
>immediately after launch. As to the beacon frequency, I've drawn a
>blank on that. The usual sources seem to be very vague about the
>amateur payload.
>Sumbandila is not a conventional amateur bird. Instead it's an
>amateur satellite package aboard a commercial LEO Earth Observation
>craft built by Sunspace.

2797. Re: [eu-amsat] Re: SumbandilaSat beacon ?

Yahoo group: eu-amsat
Date: 2009-09-17 15:18:35 UTC
From: Thomas Frey
Topic: 2783 Message: 2797

Marco IK1ODO -2 schrieb:
> Thanks Al. I understand... in any case I will leave a Perseus SDR
> receiver monitoring that area of the spectrum this late afternoon.
>
> I got the QRG from http://www.ne.jp/asahi/hamradio/je9pel/sumbandi.htm
>
> Marco IK1ODO
>

Hello Marco and group

The frequencies are 145.880 MHz FM Uplink and 435.350 MHz FM Downlink.
The transponder is in DSP-technique and has 3 functions. FM Phonie
Repeater (like AO-27/SO-50/AO-51), Parrot Repeater and Digitalker.
The functions are CTCSS controlled on uplink.

Its described on their new homepage
http://www.amsatsa.org.za/SumbandilaSat.htm.
But the QRG of the "voice beacon" is wrong I think. It makes no sense to
transmit on another QRG. And 435.300 is coordinatet for and used by AO-51.
But we will see...

> At 16.00 17/09/2009, you wrote:
>
>
>> Don't get too excited Marco. The amateur payload is secondary to the
>> mission and my understanding is that it will not be activated
>> immediately after launch. As to the beacon frequency, I've drawn a
>> blank on that. The usual sources seem to be very vague about the
>> amateur payload.
>> Sumbandila is not a conventional amateur bird. Instead it's an
>> amateur satellite package aboard a commercial LEO Earth Observation
>> craft built by Sunspace.
>>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2798. Sunbandilasat launch TV channel is ON

Yahoo group: eu-amsat
Date: 2009-09-17 15:38:43 UTC
From: Luc Leblanc
Topic: 2798 Message: 2798

TV feed is on at 1536UTC

Nice working music with smoke coming out from the rocket

> > Something seems to be happening today at:
> >
http://www.tv-tsenki.com/live.php_ (http://www.tv-tsenki.com/live.php)
> >

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2799. SumbandilaSat launched !

Yahoo group: eu-amsat
Date: 2009-09-17 16:11:28 UTC
From: Thomas Frey
Topic: 2799 Message: 2799

Hello All

SumbandilaSat launched on time today at 15:55 UTC. So we have a new toy in orbit. Hopefully it will be functional after the commissioning.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2800. Cushcraft A432-20T

Yahoo group: eu-amsat
Date: 2009-09-18 16:21:39 UTC
From: Luc Leblanc
Topic: 2800 Message: 2800

I just get a Cushcraft A432-20T at a recent Hamfest. As per the theory if the longest matching line is connected to the horizontal element
and the shortest to the vertical one i should have a RHCP but if i reverse the connections should i have LHCP? If i rotate the antenna by
90 degress how i can determine the horizontal versus the vertical elements? The only one reference i have is the U bolt attachment to
determine the horizontal elements or one driven elements is the closest to the reflector (further away behind the other driven element).

There is no marking on the beam only the driven elements caps are both marked with 1/2 SC? This model was not made with a switching device
and as i don'r have the specs sheet i'm in the blind to configure it to RHCP as it seems it is the actual UHF standard on the circular
LEO's fleet?

Thank's for your help

"-"

Luc Leblanc VE2DWE
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WAC BASIC CW PHONE SATELLITE

2801. A432-20T AXIAL RADIATION???

Yahoo group: eu-amsat
Date: 2009-09-19 08:38:21 UTC
From: Luc Leblanc
Topic: 2801 Message: 2801

I want to thank's Glenn AA5PK who provide me with the antenna manual. When reading it i discover something new "axial radiation" the
matching line can be made for LHCP and RHCP using RG-59 and RG-58 combination for delay/matching lines and two RG-59 for delay/matching
lines to produce this "axial radiation"? Is this gives both horizontal and vertical polarization at the same time? If it's the case it's
could be a way to counteract the polarization change eg; having to manually rotate the antenna. Just note they don't called it
"polarization" but "axial radiation"

Google give me a lot of return but all related to helical, helix antenna as this one:

http://books.google.ca/books?id=J4YcUA-rxJoC&pg=PA128&lpg=PA128&dq=antenna+axial+radiation
&source=bl&ots=JtTANyGfs-
&sig=KS6GlYQASby8PGijm8DRZ5TefDQ&hl=en&ei=kpW0Stu7FdPelAeo96zvDg&sa=X&oi=book_result&ct=re
sult&resnum=10#v=onepage&q=antenna%20axial%20radia
tion&f=false

That's what i like in the hamfest you always stumble on odd things this antenna matching harness is made for axial radiation just hope they
are not harmful like the gamma rays on humans :)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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WAC BASIC CW PHONE SATELLITE

2802. (no subject)

Yahoo group: eu-amsat
Date: 2009-09-19 13:36:20 UTC
From: John Hackett
Topic: 2802 Message: 2802

Group,
I cut and pasted the following text from TWITTER.

>After numerous delays South Africa has successfully
>launched its low-orbiting satellite SumbandilaSat into
>space ...

This is PRECISELY how misinformation is passed on, leading to
misunderstandings.

South Africa has *NOT* successfully launched it's low-orbiting
satellite into space. It has had it launched into space for them
... by the Russians. There is a very large difference in fact and
implication.

73 John. <la2qaa@...>

2803. Re: Launch scrub

Yahoo group: eu-amsat
Date: 2009-09-19 19:23:19 UTC
From: allan_gm1sxx
Topic: 2783 Message: 2803

--- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:
>
> 14:55 GMT, see
> http://www.southgatearc.org/news/september2009/sumbandilasat_launch_postponed.htm
>
> Apparently it's a multi drop launch, Meteorsat first then as the launcher heads back to the atmosphere SumbandilaSat is released.

Could I just correct this one. The launcher doesn't 'head back to the atmosphere' releasing a satellite.. as was suggested.

Once the Fregat upper stage (not launcher) carrying the satellites had reached orbit, Meteor-2, being on top of the stack would have been released first, possibly followed by an avoidance manoeuver, to avoid colliding with the main payload. It's likely that the secondary payloads would then have be ejected in a timed sequence.

The 'heading back to the atmosphere' part is a complete nonsense.
The Fregat upper stage is still in orbit to which I'm sure the satellite attachment platform is still attached.

(this from Celestrak)
FREGAT/IRIS
1 35870U 09049F 09262.10809061 .00002269 00000-0 10000-3 0 49
2 35870 97.3739 312.1506 0009837 292.4419 67.5624 15.22796788 217

This is the discarded Fregat (Frigate) upper stage from which the meteor weathersat and microsats were ejected.

Clearing up space junk.
Some upper stages are caused to re-enter by deliberatly slowing them using surplus fuel or oxidiser. I'm not sure if the Russians do this with Fregat and Briz, but for the moment at least, its still up there with the other objects.

I hope this helps to clear up how multiple satellite launches are generally handled once they reach orbit.

73 Al.
GM1SXX

2804. Re: [amsat-bb] Re: ITAR sucks

Yahoo group: eu-amsat
Date: 2009-09-20 13:49:27 UTC
From: Luc Leblanc
Topic: 2804 Message: 2804

On 19 Sep 2009 at 22:47, Rocky Jones wrote:

Date sent: Sat, 19 Sep 2009 22:47:47 -0500
From: Rocky Jones <orbitjet@...>
Subject: [amsat-bb] Re: ITAR sucks
To: rhyolite@..., Amsat BB <amsat-bb@...>

>
> The Russians let him take pictures every where in the "control room"...including the Garmin GPS receivers.
>
> With what the last administration let the PRC get away with in the name of making the Dreamliner...ITAR is a big joke.
>
> Robert WB5MZO
>
>
IMHO the only one way to be sure ITAR will really work is to have those who's in charge to enforced it to sit on every piece of materials
who does not want to be put in any foreign apparatus. The only risk is to have some of theses pieces poke themselves time to time in the
"derriere" as someone suggested earlier.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2805. Re: [vusat] Oceansat 2 & Ham Radio

Yahoo group: eu-amsat
Date: 2009-09-24 09:41:32 UTC
From: Thomas Frey
Topic: 2805 Message: 2805

VU2JOS schrieb:
> Dear friends,
>
> The following news item is from today's Hindu newspaper is on "SwissCube" cubesat launched by ISRO, India by the PSLV-C14 yesterday along with Oceansat 2:
>
> "Dr. Ivanov said the satellite would pass three to four times a day, with 10 minutes of signal reception time, over Switzerland. Amateur radio frequency would be used for the two-way radio link. Besides the higher sensitivity antenna at the ground station in the EPFL, amateur HAM radio operators can also tune in from homes to track the satellite on a continuous basis."
>
> Read the full story in http://www.thehindu.com/2009/09/24/stories/2009092460211000.htm
>
>
> 73
> Jose Jacob, VU2JOS
>
Dear Jose and group

To prevent a misunderstoodment: Only operators from the command team at EPFL, who are also HAMs, can command the satellite. The call of SwissCube-1 is HB9EG/1 and HB9EG is the call of the commandstation.

We HAMs worldwide can participate via http://swisscube-live.ch/.
The downlink is on 437.505 MHz. The modulation is FSK with +- 2 kHz.
Data is sent in 1200 bps Packet Radio with 500 Hz hub. You have to reveive the FSK-signal in SSB (not FM AFSK) to decode, like Polysat CP6.
There is also a CW morse beacon with 14 bps.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2806. Water on the moon

Yahoo group: eu-amsat
Date: 2009-09-25 06:18:42 UTC
From: Luc Leblanc
Topic: 2806 Message: 2806

I think read somewhere that the planned future Moon mission has one prerequisite EG: enough water on the moon soil to sustained long
duration mission?

From JPL

Water on the moon

"To put that into perspective, if you harvested one ton of the top layer of the moon's surface, you could get as much as 32 ounces of
water."

Just enough for an expresso coffee!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2807. Re: [amsat-bb] Sumbandila blog

Yahoo group: eu-amsat
Date: 2009-09-28 14:17:48 UTC
From: Luc Leblanc
Topic: 2807 Message: 2807

On 28 Sep 2009 at 9:52, Pieter Kotze wrote:

Date sent: Mon, 28 Sep 2009 09:52:52 +0200
From: Pieter Kotze <pkotze@...>
Subject: [amsat-bb] Sumbandila blog
To: amsat-bb@...

> For those who would like to keep up with what is happening see the following:
>
> http://sumbandilamission.blogspot.com/
>
> Regards
> ZS1PK/M0PAK
>
>

From this site what we can read does not seems to be very positive for a long trouble free operation? Could be some hardware are not
radiation resistant or enough to sustain long nominal operation.

One factor will remain radiation will not vanished and the effect on material will only added up.

"There seems to be a high incidence of Single Event Effects (SEE) due to radiation, especially on the On-Board Computer (OBC). We have
however designed all the electronics with latch-up protection, so none of the SEE occurrences to date have caused any permanent damage.
Sometimes an SEE causes the OBC to reset and we have recently noticed that an auto restart of the processor then does not fully complete.
With the WOD now available to us it seems that the lengthening of a timing constraint in software will be able to alleviate this problem.
Note that we could not test for SEE on the ground so were not able to observe this timing effect prior to launch."

I just hope they will be able to go around theses issues

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
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WAC BASIC CW PHONE SATELLITE

2808. Forthcoming Soyuz TMA Launch coverage.

Yahoo group: eu-amsat
Date: 2009-09-30 07:32:07 UTC
From: allan_gm1sxx
Topic: 2808 Message: 2808

Usual channel...

http://www.tv-tsenki.com/live.php

73 Al.
GM1SXX

2809. Clowns in space.

Yahoo group: eu-amsat
Date: 2009-09-30 12:06:11 UTC
From: allan_gm1sxx
Topic: 2809 Message: 2809

Hi group.

Short TV clip of the Soyuz TMA-16 launch is at..
http://news.bbc.co.uk/1/hi/sci/tech/8281253.stm

73 Al.
GM1SXX

2810. Re: [eu-amsat] Clowns in space.

Yahoo group: eu-amsat
Date: 2009-09-30 16:48:23 UTC
From: TERRY BROMLEY
Topic: 2809 Message: 2810

Al, thanks for that, very good watching.
Terry G1WPR.
----- Original Message -----
From: allan_gm1sxx
To: eu-amsat@yahoogroups.com
Sent: Wednesday, September 30, 2009 1:06 PM
Subject: [eu-amsat] Clowns in space.

Hi group.

Short TV clip of the Soyuz TMA-16 launch is at..
http://news.bbc.co.uk/1/hi/sci/tech/8281253.stm

73 Al.
GM1SXX

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 8.5.409 / Virus Database: 270.13.115/2404 - Release Date: 09/30/09 05:52:00

2811. Re: [amsat-bb] Re: Launch coverage!

Yahoo group: eu-amsat
Date: 2009-10-01 22:03:23 UTC
From: Luc Leblanc
Topic: 2811 Message: 2811

On 1 Oct 2009 at 12:16, Joe wrote:

> Yeah that was neat I was watching it in the middle of the night the
> other night, and was funny to watch the lion that was hanging, some
> russian traditon. they said.
>
> But was funny to see it hanging straight down pre launch and all during
> the power phase. then after engine cut off, it started floarting all
> around the cabin.
>
> I was also amazed to see them using tools to adjust controls, kinda like
> remote gripper things.
> Joe WB9SBD
>
> David - KG4ZLB wrote:
>
> >I was intrigued yesterday to see in capsule footage of the launch of the
> >Soyuz (with the "Space Clown") from Russia!
> >
> >Does anyone know if NASA plans to broadcast footage from inside the
> >Shuttle, maybe a split screen showing the traditional launch and the
> >other side showing the crew during lift off?
> >
> >Thanks
> >

I video record the launch where we can see Jeff William playing with the gravity gauge hanging lion floating just in the front of the
camera lens the tool is called an arm extender and if you watch it closely he's attached near the seat with a string tether.

You can watch the launch replay at :

http://www.nasa.gov/multimedia/nasatv/on_demand_video.html?param=http://anon.nasa-global.edgesuite.net/anon.nasa-global/ccvideos/tma16launch.asx&_id=207669&_title=Expedition%2021%20Crew%20Launches&_tnimage=390191main_tma16launch_100.jpg

For the Space flame thrower "Billionnaire" clown i don't know if he will be able to use the ham station as he don't have any valid call
sign here?

Now the Nat enquirer sextion...

http://www.google.ca/search?hl=fr&source=hp&q=guy+laliberte+wife&meta=&aq=2&oq=guy+laliberte&emsg=NCSR&ei=LxzFSqGzCo7YetOfnD8
http://www.pokerbloggs.com/2009/01/24/rizia-moreira-vs-guy-laliberte

He was living in St-Bruno about 45 minutes drive from here

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2812. E=MC2

Yahoo group: eu-amsat
Date: 2009-10-02 21:48:20 UTC
From: Luc Leblanc
Topic: 2812 Message: 2812

Hi

To know where to guide our actions it is often useful to remind the past...Here is what we all seen on AMSAT-BB months ago:

Just look at the chronology "time lapse"

On 30 Oct 2005 at 18:27, Rick Hambly (W2GPS) wrote:

> Luc,
>
> Gould took this action as an administrative measure in the best interests of
> AMSAT. His decision is consistent with the policy published in the April
> 2005 Area Coordinators Newsletter.
>
> No one has ever censored your messages, regardless of their content.
> However AMSAT is not a political organization and we cannot have AMSAT
> officials using AMSAT provided communications outlets for purposes that are
> inflammatory and unrelated to AMSAT business.
>
> Removing you from the list of AMSAT officials is not a punishment or an
> attempt to silence you. It is being done solely in the best interests of
> the AMSAT organization.
>
> Rick
> W2GPS
> AMSAT President

On 29 Apr 2007 at 14:29, Rick Hambly (W2GPS) wrote:

> Luc,
>
>
> AMSAT-BB is the property of AMSAT and we provide this service to promote the
> discussion of Ham satellite construction and operation.
>
> Your messages will now be moderated "READ CENSORED"

> I am sorry to have to take this action and I do not wish to create conflict
> but your messages are being read by people in a position to be very helpful
> to AMSAT's ability to build and launch satellites and they are not pleased.
> If you wish to criticize this or any other AMSAT action, please direct those
> comments to the responsible individuals rather than the AMSAT-BB list.
>
> Rick
> W2GPS
> AMSAT LM2232

Who's is writing this new BOD is different from the previous one?

Just look now the last censored one:

On 1 Oct 2009 at 18:03, eu-amsat@yahoogroups.com wrote:

From: Luc Leblanc <lucleblanc6@...>
To: eu-amsat@yahoogroups.com
Subject: Re: [amsat-bb] Re: Launch coverage!
Copies to: eu-amsat@yahoogroups.com
Date sent: Thu, 01 Oct 2009 18:03:20 -0400

On 1 Oct 2009 at 12:16, Joe wrote:

> Yeah that was neat I was watching it in the middle of the night the
> other night, and was funny to watch the lion that was hanging, some
> russian traditon. they said.
>
> But was funny to see it hanging straight down pre launch and all during
> the power phase. then after engine cut off, it started floating all
> around the cabin.
>
> I was also amazed to see them using tools to adjust controls, kinda like
> remote gripper things.
> Joe WB9SBD
>
> David - KG4ZLB wrote:
>
> >I was intrigued yesterday to see in capsule footage of the launch of the
> >Soyuz (with the "Space Clown") from Russia!
> >
> >Does anyone know if NASA plans to broadcast footage from inside the
> >Shuttle, maybe a split screen showing the traditional launch and the
> >other side showing the crew during lift off?
> >
> >Thanks
> >

I video record the launch where we can see Jeff William playing with the gravity gauge hanging lion floating just in the front of the
camera lens the tool is called an arm extender and if you watch it closely he's attached near the seat with a string tether.

You can watch the launch replay at :

http://www.nasa.gov/multimedia/nasatv/on_demand_video.html?param=http://anon.nasa-global.edgesuite.net/anon.nasa-global/ccvideos/tma16launch.asx&_id=207669&_title=Expedition%2021%20Crew%20Launches&_tnimage=390191main_tma16launch_100.jpg

For the Space flame thrower "Billionnaire" clown i don't know if he will be able to use the ham station as he don't have any valid call
sign here?

Now the Nat enquirer sextion...

http://www.google.ca/search?hl=fr&source=hp&q=guy+laliberte+wife&meta=&aq=2&oq=guy+laliberte&emsg=NCSR&ei=LxzFSqGzCo7YetOfnD8
http://www.pokerbloggs.com/2009/01/24/rizia-moreira-vs-guy-laliberte

He was living in St-Bruno about 45 minutes drive from here.

Now with the actual thread about "Saving energy" and probably next the Kyoto protocole it is probably OT but it passes through the
censorship? One thing remain Chicago will not have the next Olympic games and congratulations to Brazil and president Lula! The message is
crystal clear there is no more room on earth to have freedom of speech restricted or deny to anyone (Just a bit of the whole context...) ,
even more in an amateur radio association called AMSAT-NA shame on you America...

I always want to know who is my torturer could be it's "Martha, She Wolf of the SS"?

I just start to understand why the middle age tortured always wear a hood!

I don't know what it take's to makes them understand the fine prints but they already start to go in the same set of minding again, Some
anthropologist start to compare the demise of the Roman and Greek empire with the past and actual American context.

Barry Baines, WD4ASW - 600 votes
Drew Glasbrenner, KO4MA- 547
Bill Ress, N6GHZ - 545
Alan Biddle, WA4SCA - 516
Tony Monteiro, AA2TX - 505 (first alternate)

2713 folks out of 5000 +-54% there is still some hope in the remaining 54%?

Live long and prosper!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2813. Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 03:08:17 UTC
From: Luc Leblanc
Topic: 2813 Message: 2813

On 3 Oct 2009 at 19:18, Thomas McGrane wrote:

Date sent: Sat, 03 Oct 2009 19:18:37 -0700
From: Thomas McGrane <n2oeq@...>
Subject: [amsat-bb] FW: OFF grid solar system
To: amsat-bb@...

> Hi again, Nigel Gunn did a mercilous, malicious, propoganda hatchet job
> on my solar energy posting of this morning so I thought I would repost
> it to restore the original meaning if anyone wanted to know. When I
> write, I try to write carefully to convey my meaning. Unfortunately,
> creative trimming of my words changed the meaning so here it is again.
> If someone replies, please include the original in its original form
> and entirety so as not to confuse those I am trying to help.
> To you nigel, apparently, there are still tories and patriots here in
> America. We could use you in Afghanistan and if you go, please send
> home a young man who is still friendly.
> pat
>
> original message follows.....
>

Here i used a 5kw gas generator that i can back feed through a 30 amps panel breaker (Main switch out of the grid" and i have a 1kw
portable for a fast and priimary emergency use.

In winter land we often got snow storm with more than 6 inches and a a lot of regular one with half an inch. Solar panel are fine in exotic
most of the time sunny area but a disaster in winter land. This solar energy is IMHO often more an ego booster than anything else..I'm
greener and more wise than you and more skilful.

It is our former (now old) flower power pot smokers who recycle themselves in the new energy freedom fashion. It is not the peace and love
moto but solar power and war to feed the military industry.

Just stop the wars and you will gain a lot of fuel and a lot of gas price reductions. But what about the profits...just see the last
Micheal Moore film.

Cross posted due to AMSAT-NA an American open censorship supporting group and a non respect to the freedom of speech.

You still send your money to support this organization?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2814. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 11:04:29 UTC
From: Thomas Frey
Topic: 2813 Message: 2814

Luc, what has the following to do with ham satellites ?? Please keep our group clean from
such stuff, Thank you. :-(

Luc Leblanc schrieb:
> On 3 Oct 2009 at 19:18, Thomas McGrane wrote:
>
> Date sent: Sat, 03 Oct 2009 19:18:37 -0700
> From: Thomas McGrane <n2oeq@...>
> Subject: [amsat-bb] FW: OFF grid solar system
> To: amsat-bb@...
>
>
>> Hi again, Nigel Gunn did a mercilous, malicious, propoganda hatchet job
>> on my solar energy posting of this morning so I thought I would repost
>> it to restore the original meaning if anyone wanted to know. When I
>> write, I try to write carefully to convey my meaning. Unfortunately,
>> creative trimming of my words changed the meaning so here it is again.
>> If someone replies, please include the original in its original form
>> and entirety so as not to confuse those I am trying to help.
>> To you nigel, apparently, there are still tories and patriots here in
>> America. We could use you in Afghanistan and if you go, please send
>> home a young man who is still friendly.
>> pat
>>
>> original message follows.....
>>
>>
>
>
> Here i used a 5kw gas generator that i can back feed through a 30 amps panel breaker (Main switch out of the grid" and i have a 1kw
> portable for a fast and priimary emergency use.
>
> In winter land we often got snow storm with more than 6 inches and a a lot of regular one with half an inch. Solar panel are fine in exotic
> most of the time sunny area but a disaster in winter land. This solar energy is IMHO often more an ego booster than anything else..I'm
> greener and more wise than you and more skilful.
>
> It is our former (now old) flower power pot smokers who recycle themselves in the new energy freedom fashion. It is not the peace and love
> moto but solar power and war to feed the military industry.
>
> Just stop the wars and you will gain a lot of fuel and a lot of gas price reductions. But

what about the profits...just see the last
> Micheal Moore film.
>
> Cross posted due to AMSAT-NA an American open censorship supporting group and a non respect to the freedom of speech.
>
> You still send your money to support this organization?
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
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>
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>
> Yahoo! Groups Links
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>

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2815. OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 12:18:28 UTC
From: allan_gm1sxx
Topic: 2813 Message: 2815

Hi group,

I'd gently remind EU-AMSAT group members that we set up this groups in order that alternative (including non AMSAT BOD Approved) ideas could be discussed without the vitriol that so frequently blights the AMSAT-BB. I suspect thats why this group is quite popular.

I for one *do* use solar power to run my station and because of that, I do think it has relevance for at least some radio-amateurs, especially those with unreliable grid connections or those who simply want to be grid-independent.

I use an 80W panel to charge my deep-cycle batteries that provide 13.8V power to the shack. So yes, solar power has relevance for me. And yes, it has given me light and radios when the grid supply failed, on more than one occasion.

As to AMSAT politics, so long as whats posted is not abusive to individuals, I don't think we should have major issues with it as a group.

If the truth be told, IMHO the whole amateur satellite* scene has far bigger issues.

It is in the doldrums, due in part to the burgeoning popularity of 'other' small (dare I say pico) satellites competing for launch space and amateur frequencies. Those free or cut-price launches we enjoyed in the past are a dim and distant distant memory.

Perhaps this might be a better issue to discuss, along with practical ways to get around the issue. If we don't find alternatives, the future will be grim indeed for AMSAT.

My personal definition of 'Amateur satellite' is birds with amateur radio transponders on board. And lest I get flamed over the earliest AMSAT birds being beacon-only, no I don't believe the earliest amateur built birds were true amateur radio satellites. They were 'Amateur radio space based beacons'. They helped prove the viability of transponder based satellites, structures, power, command and control and suchlike. More importantly, they proved that radio amateurs were up to the job.

YMMV, but, just like solar power and a little politics, lets not fight over it :-) If you DO feel very strongly about something, contact the person involved, and not this group, and do remember that English is not the first language of a fair number of group members.

73 Al.
GM1SXX

2816. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 13:07:35 UTC
From: Luc Leblanc
Topic: 2813 Message: 2816

On 4 Oct 2009 at 13:04, Thomas Frey wrote:

Date sent: Sun, 04 Oct 2009 13:04:29 +0200
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Luc, what has the following to do with ham satellites ?? Please keep our
> group clean from
> such stuff, Thank you. :-(
>
That's exactly what i want to let them know but the only one way to let them know as
AMSAT-BB is Censored
is to go this way. Just checked below this part of my post i will posted again there.

>
>
>> Hi again, Nigel Gunn did a mercilous, malicious, propoganda hatchet job
>> on my solar energy posting of this morning so I thought I would repost
>> it to restore the original meaning if anyone wanted to know. When I
>> write, I try to write carefully to convey my meaning. Unfortunately,
>> creative trimming of my words changed the meaning so here it is again.
>> If someone replies, please include the original in its original form
>> and entirety so as not to confuse those I am trying to help.
>> To you nigel, apparently, there are still tories and patriots here in
>> America. We could use you in Afghanistan and if you go, please send
>> home a young man who is still friendly.
>> pat
>>
>> original message follows.....
>>
>>
>
>
> Here i used a 5kw gas generator that i can back feed through a 30 amps panel
breaker (Main switch out of the grid" and i have a 1kw
> portable for a fast and priimary emergency use.
>
> In winter land we often got snow storm with more than 6 inches and a a lot of
regular one with half an inch. Solar panel are fine in exotic
> most of the time sunny area but a disaster in winter land.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
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WAC BASIC CW PHONE SATELLITE

2817. Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 13:22:46 UTC
From: allan_gm1sxx
Topic: 2813 Message: 2817

Thomas & Luc,

Guys, please resolve this off-reflector and if need be, post your joint conclusion, if you reach one. I'm sure the general membership will thank you. Meanwhile... back to satellites..

73 Al.
GM1SXX

2818. Common sense !!!!.

Yahoo group: eu-amsat
Date: 2009-10-04 14:02:10 UTC
From: John Hackett
Topic: 2818 Message: 2818

Group.

GM1SXX being a canny Scot just proved it with a dose of common sense.

He also took the words right out of my mouth.

As the founders of this group he and I do our best not to stick our noses in unwittingly but sometimes, someone has to take responsibility.

Al has already mentioned the objectives of the group. I believe we *ARE* fulfilling them.

This is *YOUR* group, be proud of it.

73 John. EU-Amsat founder/moderator.

<la2qaa@amsat.org>

2819. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2009-10-04 14:33:45 UTC
From: Thomas Frey
Topic: 2813 Message: 2819

Luc Leblanc schrieb:
> On 4 Oct 2009 at 13:04, Thomas Frey wrote:
>
> Date sent: Sun, 04 Oct 2009 13:04:29 +0200
> From: Thomas Frey <th.frey@...>
> Subject: Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system
> To: eu-amsat@yahoogroups.com
> Send reply to: eu-amsat@yahoogroups.com
>
>
>> Luc, what has the following to do with ham satellites ?? Please keep our
>> group clean from
>> such stuff, Thank you. :-(
>>
>>
> That's exactly what i want to let them know but the only one way to let them know as
AMSAT-BB is Censored
> is to go this way. Just checked below this part of my post i will posted again there.
>

Luc, I disbelieve, that your mails are censored on the "-BB". I think,
you have technical problems when your mail not appears. I saw mails
from you also with wrong dates, a few weeks back from the actual date.

When you mean, that your mail is censored and you make a copy to this
group, thats annoying. Why ? You rice a topic out from a thread and
nobody knows the whole content. This is senseless.

If you mean, a thread on -BB is also interesting for our group, then
you can copy the whole thread and we can discuss about it. Also about
powergenerators.

Sorry about my complains. But I read too much from your "censored" mails
now.

73 and have a nice Sunday
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2820. Euro-Soyuz delays

Yahoo group: eu-amsat
Date: 2009-10-04 15:19:19 UTC
From: allan_gm1sxx
Topic: 2820 Message: 2820

Hi group.

As one who has been wondering what has been holding up Soyuz launches from Kourou, here is the answer. The Mobile Service Structure being built by the Russians for Arianespace is not yet ready. It's being built in Russia before being disassembled and shipped to Kourou where it will be reassembled. The Russians themselves don't need or use these structures, so maybe it has something to do with the prevailing hot & humid conditions at Kourou. It will allow payload integration to take place on the pad, rather than in the horizontal assembly building.

Here's a short animation of how the structure will work in practice.

http://vision.rambler.ru/users/22sos/1/1/

73 Al.
GM1SXX

2821. Discussion.

Yahoo group: eu-amsat
Date: 2009-10-04 18:04:57 UTC
From: John Hackett
Topic: 2821 Message: 2821

Thomas and Luc,
May I respectfully suggest that you conduct your difference of opinion
off list and as GM1SXX has already suggested - if you reach a conclusion that is agreeable to both, please add that to the reflector in a brief mail.

BOTH !!! parties have points that are valid and are welcome to air their views but as has already been mentioned ... no 'personal' criticism please ... that should be directed to the peoploe concerned off list - *NOT* to the EU-Amsat reflector.

The group was never meant to be a generaql bulletin board (there are enough of those) but was !!! envisaged as a place to share a common interest of amateur satellites - be it the birds themselves, peripheral things like aerials, rigs, power and yes, even opinions ... providing they are not abusive.

I sincerely hope common sense prevails. Nobody wants a censored group.

This group *WILL* be disbanded before that happens.

Thank you.

73 John. EU-Amsat group moderator.

<la2qaa@...>

2822. Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-06 18:48:40 UTC
From: g3wie
Topic: 2822 Message: 2822

Hi All

I'm slowly building up kit for the satellites - AO-7 and AO-51 L/U being my targets. Antenna rotators are the biggest problem I have - I can't afford the az-el rotator pair, plus I don't have the huge mast to support it all. So I'm looking for other ways that will go on my modest mast which is fixed to the slope of my roof with an old rotator at the bottom. While looking on a satellite tv site for linear actuators, I saw a Cryptik H-H Mount, there's a good picture here

http://www.marconidigital.comproduct_info.php?products_id=1284

It seemed to me that I might modify it (lots!) to use an actuator to set the angle to match the orbit instead of the fixed adjustment shown, then the single motor would track the satellite across the sky. But I'd need to put it on a pole turned by a rotator, so is there any advantage to this idea - the alternative is to fix it so it's a plain elevation rotator.

ideas welcome

Chris g3wie

2823. Re: [eu-amsat] Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-06 20:37:56 UTC
From: Thomas Frey
Topic: 2822 Message: 2823

g3wie schrieb:
> Hi All
>

Hi Chris

> I'm slowly building up kit for the satellites - AO-7 and AO-51 L/U being my targets.

For Mode L/U you need an AZ + EL rotor. I use an IC-1271E with 15 W, 10
m of thick
coax into a RHCP helix-feed and 1.2 m dish indoor. But sometimes I have
too less power.

My suggestion is to begin with AO-7. Its easier to track this satellite
than AO-51 in
LEO.

> Antenna rotators are the biggest problem I have - I can't afford the az-el rotator pair, plus I don't have the huge mast to support it all. So I'm looking for other ways that will go on my modest mast which is fixed to the slope of my roof with an old rotator at the bottom. While looking on a satellite tv site for linear actuators, I saw a Cryptik H-H Mount, there's a good picture here
>
> http://www.marconidigital.comproduct_info.php?products_id=1284
>

http://www.marconidigital.com/product_info.php/?products_id=1284

> It seemed to me that I might modify it (lots!) to use an actuator to set the angle to match the orbit instead of the fixed adjustment shown, then the single motor would track the satellite across the sky. But I'd need to put it on a pole turned by a rotator, so is there any advantage to this idea - the alternative is to fix it so it's a plain elevation rotator.
>
> ideas welcome
>
> Chris g3wie
>
>

I have no skills with actuators. Any other suggestions / ideas ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2824. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 07:21:58 UTC
From: allan_gm1sxx
Topic: 2822 Message: 2824

Hi Chris,

Unfortunately, if you take a look at the actual data from a tracking program for any of the amateur birds, they don't behave like geosynchronous ones and so cannot be tracked by traversing a sinple fixed arc.

You have two main options really..
1) Full AZ-EL tracking (fiddly and expensive, especially for beginners)
or
2) Fixed elevation tracking.

If you look at the time amateur satellites spend at various elevations, it becomes immediately obvious that they spend most of thir time at low elevetions. With that in mind, if you are using modest antenna beams, just set them to 30 degrees elevation and track in azimuth only.
This works because a modest antenna array has a sizeable vertical beamwidth, so you can cover a lot of sky with azimuth only rotation.

Low elevations lead to frequent signal polarisation changes (caused by Faraday rotation and scintillation) for which there is no single 'best' antenna solution. Some folks use CP aerials, many use linear while others use switchable polarisation. It's your call.

I hope that helps you a bit. A simple cheap TV type rotator will do the above, so long as you don't mind adjusting it during passes :-)

73 Al.
GM1SXX

2825. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 08:45:32 UTC
From: g3wie
Topic: 2822 Message: 2825

Thanks both for your replies,

Thomas - I plan to start with AO-7 as you suggest; I have V/S gear from AO-40 when I didn't quite get the gear working before the satellite went silent :-(. For the L uplink I was thinking of puting the PA up the mast and feeding it with RG58 (really!) as it's easier to make up the loss at lower power. But L is for the future.

Alan - thanks for your orbital advice. I had feared it wasn't going to be that easy or someone else would have done it!

A bit more about the collection of bits and pieces available....

I've put a picture showing the antenna mounting in the files area. The shack is the room beneath where the light is showing. The short mast hinges down and I could reach the 10GHz rig (now taken down) from the roof window to the left without climbing out on to the roof; but a 2m antenna has to go through the window in pieces! I'd like to keep the antennas to about 1.5metres long to keep the visual impact down (they might grow later). Taking your fixed elevation advice, I was thinking of crossed yagis for 2m (can I get away with 4 ele?) and 70cm (with 8 ele I can hear FO-29 and AO-51 pointing through the window). I've used the WA5VJB design with success before. Any advice on the best way to do the polarisation phasing/switching? I have the ARRL Satellite Handbook which gives several options, is any particular method better (easier to set up)? I've collected several 951 coax relays so I plan to do the switching in a box up the mast

I have an old AR40 rotator from my 70MHz days in the 70s and 80s. It is controllable from a PC using the EA4TX interface, but I don't think that will talk to any of the tracking programmes. I can control my two rigs (an Elecraft K2 and a FT-747) from a computer so I could probably drive the rotator by hand to start with

I've tested 70cm transverter/50W PA which all works (I gather I won't need that much power which is nice for a QRP operator!), and I can re-arrange the 144MHz transverter that used to drive the 10GHz rig. I have a preamp for 144 which I could put at the masthead, is that really necessary with 10 metres of RG213?

Sorry for the long post but I wanted to get some opinions before I start putting all this together. Even though access to the antenna is not too hard, there a lot of stairs to climb....

73

Chris g3wie

2826. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 08:47:17 UTC
From: allan_gm1sxx
Topic: 2822 Message: 2826

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
>
Hi Chris.
Ah! I missed the L bit! Power on L mode is expensive so most people substitute aluminium in the form of gain antennas. If thats your strategy, you will need AZ/EL tracking. There is no way around it.

I've never really seen the point of L mode on LEO's. Too much Doppler to cope with for those with pockets of 'ordinary' depth.

73 Al.
GM1SXX

2827. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 09:22:36 UTC
From: Thomas Frey
Topic: 2822 Message: 2827

g3wie schrieb:
>
> I have an old AR40 rotator from my 70MHz days in the 70s and 80s. It is controllable from a PC using the EA4TX interface, but I don't think that will talk to any of the tracking programmes.

Hello Chris

SatPC32 controls your EA4TX interface. Look at
http://www.dk1tb.de/indexeng.htm .
So you can also track AO-51 and the other LEOs.

> I can control my two rigs (an Elecraft K2 and a FT-747) from a computer so I could probably drive the rotator by hand to start with
>
> I've tested 70cm transverter/50W PA which all works (I gather I won't need that much power which is nice for a QRP operator!), and I can re-arrange the 144MHz transverter that used to drive the 10GHz rig. I have a preamp for 144 which I could put at the masthead, is that really necessary with 10 metres of RG213?
>

Mastheaded preamps are allways a good solution. You have to be careful
with the cables from the preamp to the antenna while they are swinging
around the rotor.

> Sorry for the long post but I wanted to get some opinions before I start putting all this together. Even though access to the antenna is not too hard, there a lot of stairs to climb....
>
> 73
>
> Chris g3wie
>
>
>

You can always ask here. We are looking forward till you have climbed
all stairs to make a QSO via Sat. :-)

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2828. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 10:44:26 UTC
From: Thomas Frey
Topic: 2822 Message: 2828

allan_gm1sxx schrieb:
>
> I've never really seen the point of L mode on LEO's. Too much Doppler to cope with for those with pockets of 'ordinary' depth.
>
> 73 Al.
> GM1SXX
>
>

Really Al ? I control the Doppler via RS-232, transistor and "mic-click" without any problems. In FM it "clicks" in 1 kHz steps upward. In my IC-1271E I have no CAT installed. There was no need in the AO-10-days.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2829. RE: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 11:27:26 UTC
From: John Hackett
Topic: 2822 Message: 2829

Thomas,
Would you like to describe your doppler tracking/tuning system in more detail please - preferably with a diagram and the software you use use.

I'm sure it would lead to more people trying semi-auto doppler since the main thing that stops a *LOT* of people is the cost of automatic-doppler tuning rigs.

I used Itune and mic-pushbutton rigs for many years but unfortunjately, Microsoft in their infinate wisdom changed the way the parallel port is polled in WIN XP - so we can't use Itune anymore.

I was under the impression that ITUNE was the only way to control old fashioned mic push-button rigs these days.

I Look forward to hearing more about your system Thomas - as I'm sure others are.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 7 Oct 2009 12:44:26 +0200
Subject: Re: [eu-amsat] Re: Cheap antenna tracking?

allan_gm1sxx schrieb:

>

> I've never really seen the point of L mode on LEO's. Too much Doppler to cope with for those with pockets of 'ordinary' depth.

>

> 73 Al.

> GM1SXX

>

>

Really Al ? I control the Doppler via RS-232, transistor and "mic-click"

without any problems. In FM it "clicks" in 1 kHz steps upward. In my

IC-1271E I have no CAT installed. There was no need in the AO-10-days.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2830. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 12:33:15 UTC
From: Thomas Frey
Topic: 2822 Message: 2830

John Hackett schrieb:
>
>
> Thomas,
> Would you like to describe your doppler tracking/tuning
> system in more detail please - preferably with a diagram and the
> software you use use.
>
> I'm sure it would lead to more people trying semi-auto doppler since
> the main thing that stops a *LOT* of people is the cost of
> automatic-doppler tuning rigs.
>
> I used Itune and mic-pushbutton rigs for many years but
> unfortunjately, Microsoft in their infinate wisdom changed the way the
> parallel port is polled in WIN XP - so we can't use Itune anymore.
>
> I was under the impression that ITUNE was the only way to control old
> fashioned mic push-button rigs these days.
>
> I Look forward to hearing more about your system Thomas - as I'm sure
> others are.
>
> 73 John. <la2qaa@...>

Hello John

My solution is like Itune via serial port. But ... a great BUT ...
I'm a "hard die" OS/2 user. What the heck is OS/2 ? :-) Look at
www.ecomstation.com. I wrote my own tracking software in CA Realizer
BASIC for OS/2. So I could implement an "Itune routine".

This is the "hardware":

```
BC637
1N4148 1k8 |/---o---o TX PTT
o---|>|---o---/\/\/\---|\ |
|+ | | ==
RTS (7) === 1uF | /\ 1N4001
or | | |
DTR (4) --- ------ GND
```

If the above sketch is garbled, copy and paste it into your text editor
with fixed spacing font.

If you have also an IC-1271 let it know.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2831. FB Thomas

Yahoo group: eu-amsat
Date: 2009-10-07 12:48:46 UTC
From: John Hackett
Topic: 2822 Message: 2831

Rgr! Thomas,
Thanks. All understood.

However, (unfortunately) I'm a computer illiterate! so I'm not capable of writing a program to do what ITUNE did with operating systems up to and including WIN 2K.

I've often been in touch with Tony (author of ITUNE) and after much testing we came to the conclusion that WIN XP will *NOT* operate push button rigs from a parallel port with ITUNE ... only serial ports to a CAT interface ... so that's a pity.

It was too much trouble to rewrite the whole software package just for 20 year old rigs.

Thank anyway Thomas ... I now understand how you do it.

I'll just stick to my manual tuning until somebody 'donates' an 847 ... he he he ...

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 7 Oct 2009 14:33:15 +0200
Subject: Re: [eu-amsat] Re: Cheap antenna tracking?

John Hackett schrieb:

Thomas,

Would you like to describe your doppler tracking/tuning
system in more detail please - preferably with a diagram and the
software you use use.

I'm sure it would lead to more people trying semi-auto doppler since
the main thing that stops a *LOT* of people is the cost of
automatic-doppler tuning rigs.

I used Itune and mic-pushbutton rigs for many years but unfortunjately,
Microsoft in their infinate wisdom changed the way the parallel port is
polled in WIN XP - so we can't use Itune anymore.

I was under the impression that ITUNE was the only way to control old
fashioned mic push-button rigs these days.

I Look forward to hearing more about your system Thomas - as I'm sure
others are.

73 John. <la2qaa@...>

Hello John

My solution is like Itune via serial port. But ... a great BUT ...

I'm a "hard die" OS/2 user. What the heck is OS/2 ? :-) Look at

www.ecomstation.com. I wrote my own tracking software in CA Realizer

BASIC for OS/2. So I could implement an "Itune routine".

This is the "hardware":

```
BC637

1N4148 1k8 |/---o---o TX PTT

o---|>|---o---/\/\/\---|\ |

|+ | | ==

RTS (7) === 1uF | /\ 1N4001

or | | |

DTR (4) --- ------ GND
```

If the above sketch is garbled, copy and paste it into your text editor

with fixed spacing font.

If you have also an IC-1271 let it know.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2832. Re: [eu-amsat] FB Thomas

Yahoo group: eu-amsat
Date: 2009-10-07 15:14:21 UTC
From: Thomas Frey
Topic: 2822 Message: 2832

```
John Hackett schrieb:
>
>
> Rgr! Thomas,
> Thanks. All understood.
```

OK fine :-) I found a little bug: relabel "TX PTT" to "TX Mic.Up" for your archive.

```
>
>
> This is the "hardware":
>
> BC637
> 1N4148 1k8 |/---o---o TX Mic.Up
> o---|>|---o---/\/\/\---|\ |
> |+ | | ==
> RTS (7) === 1uF | /\ 1N4001
> or | | |
> DTR (4) --- ------ GND
>
```

73 de
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2833. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 15:18:05 UTC
From: Luc Leblanc
Topic: 2822 Message: 2833

> allan_gm1sxx schrieb:
> >
> > I've never really seen the point of L mode on LEO's. Too much Doppler to cope with for those with pockets of 'ordinary' depth.
> >
> > 73 Al.
> > GM1SXX

I tracked manually my L-band uplink with ease i just get my initial frequency reference on a PCR-1000 receiver and i manually adjust my
uplink frequency just a bit above the corrected doppler and it works like a charm. The only one problem is the L-band session are not often
available as i want to try automatic doppler with my transverter IF correction factor :(

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2834. RE: [eu-amsat] FB Thomas

Yahoo group: eu-amsat
Date: 2009-10-07 15:48:30 UTC
From: John Hackett
Topic: 2822 Message: 2834

RGR ! Thomas,
Thanks.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 7 Oct 2009 17:14:21 +0200
Subject: Re: [eu-amsat] FB Thomas

John Hackett schrieb:

Rgr! Thomas,

Thanks. All understood.

OK fine :-) I found a little bug: relabel "TX PTT" to "TX Mic.Up"
for

your archive.

This is the "hardware":

BC637

1N4148 1k8 |/---o---o TX Mic.Up

o---|>|---o---/\/\/\---|\ |

|+ | | ==

RTS (7) === 1uF | /\ 1N4001

or | | |

DTR (4) --- ------ GND

73 de
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2835. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-07 18:51:55 UTC
From: g3wie
Topic: 2822 Message: 2835

Hi Al

L-band is definitely for later, though I have the necessary bits to produce about 15 watts which I hope will be enough. Power is expensive, but gain is cheap with MMIC, so I would mount the PA on the mast, which is practical at that power level.

Chris

> --- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@> wrote:
> >
> Hi Chris.
> Ah! I missed the L bit! Power on L mode is expensive so most people substitute aluminium in the form of gain antennas. If thats your strategy, you will need AZ/EL tracking. There is no way around it.

2836. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-08 03:56:19 UTC
From: Luc Leblanc
Topic: 2822 Message: 2836

On 7 Oct 2009 at 18:51, g3wie wrote:

Date sent: Wed, 07 Oct 2009 18:51:55 +0000
From: g3wie <g3wie@...>
Subject: [eu-amsat] Re: Cheap antenna tracking?
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Hi Al
>
> L-band is definitely for later, though I have the necessary bits to produce about 15 watts which I hope will be enough.
> Power is expensive, but gain is cheap with MMIC, so I would mount the PA on the mast, which is practical at that power level.
>
> Chris
>
Hi Chris

I can have fairly good signal with 18W in the shack with a 14m run of 21mm heliax. Placing the amp at the antenna feedpoint and i am able
to have an AOS to LOS Q5 pass

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2837. Re: [amsat-bb] Re: 70cms in Canada

Yahoo group: eu-amsat
Date: 2009-10-08 04:27:28 UTC
From: Luc Leblanc
Topic: 2837 Message: 2837

> But at least it's not Radar
>
> Wiki - Enhanced Position Location Reporting System
> http://en.wikipedia.org/wiki/Enhanced_Position_Location_Reporting_System
>
> Even so we could do without it.
>
> The main problem is that Amateurs don't have any Primary UHF allocations. Theres no doubt we need just a few MHz of Primary spectrum in the 400 MHz, 1200 MHz and 2300 MHz regions.
>
> 73 Trevor M5AKA
>

"Industry Canada has informed RAC that there is a slight potential for interference to amateur radio systems, typically in the form of a
minor audible clicking noise."

We are accustomed to it with WIFI on 2.4 24/7 year long What they can do with SO-50 AO-27 AO-51 and all the cubes? I can actually hear the
Canadian coast guard vessel/car GPS positioning system on the amateur UHF band in the top of the band. So far they managed to keep their
system in the top of the band. For this new system they will have to share the band with the coast guard or with the other band amateur
traffic.

I just hope they will used this system on the battlefields!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2838. Apophis the Goa'ulds master

Yahoo group: eu-amsat
Date: 2009-10-08 04:38:38 UTC
From: Luc Leblanc
Topic: 2838 Message: 2838

At 80 years old even a Goa'uld will not impress me much and i will probably be more concern with some sanitary/personal issues...

"Apophis has been one of those celestial bodies that has captured the public's interest since it was discovered in 2004," said Chesley.
"Updated computational techniques and newly available data indicate the probability of an Earth encounter on April 13, 2036, for Apophis
has dropped from one-in-45,000 to about four-in-a million."

OUF! i will sleep better tonite
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2839. 2E0HTS satellite operation

Yahoo group: eu-amsat
Date: 2009-10-08 07:14:29 UTC
From: allan_gm1sxx
Topic: 2839 Message: 2839

Simon 2E0HTS lives on the Yorkshire moors and is a member of the group.

He uses both Arrow and the IOIo antennas with both handhelds and fixed (FT-847) station. Photo of his portable Arrow based station at..

http://d.yimg.com/kq/groups/12861049/tn/870109960/name/Arrow_MKii_QRP_Satellite_Station.jpg

73 Al.
GM1SXX

2840. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-08 14:18:52 UTC
From: g3wie
Topic: 2822 Message: 2840

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>

> Hi Chris
>
> I can have fairly good signal with 18W in the shack with a 14m run of 21mm heliax. Placing the amp at the antenna feedpoint and i am able
> to have an AOS to LOS Q5 pass
>
> "-"
>
>

That's good to know Luc, thanks. I think you said you use a helical on L band - how long/how many turns?

Chris g3wie

2841. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-08 14:48:03 UTC
From: Luc Leblanc
Topic: 2822 Message: 2841
Attachments: 1 described; binary payloads are missing from this source WARC

On 8 Oct 2009 at 14:18, g3wie wrote:

Date sent: Thu, 08 Oct 2009 14:18:52 +0000
From: g3wie <g3wie@...>
Subject: [eu-amsat] Re: Cheap antenna tracking?
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> >
>
> > Hi Chris
> >
> > I can have fairly good signal with 18W in the shack with a 14m run of 21mm heliax.
Placing the amp at the antenna feedpoint and i am able
> > to have an AOS to LOS Q5 pass
> >
> > "-"
> >
> >
>
> That's good to know Luc, thanks. I think you said you use a helical on L band - how
long/how many turns?
>
> Chris g3wie
>
>
>
I'm using a directive system 24 elements loop yagi 2324LYRM

http://www.directivesystems.com/

Specs sheet attached

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2842. VS or UV

Yahoo group: eu-amsat
Date: 2009-10-09 03:38:07 UTC
From: Luc Leblanc
Topic: 2842 Message: 2842

Do you prefer the void of silence or the silence of the void?

MEDIA ADVISORY : M09-126

NASA Ames to Showcase Spectacular LCROSS Lunar Impacts

MOFFETT FIELD, Calif. - NASA´s Lunar CRater Observation and Sensing Satellite (LCROSS) mission will come to a dramatic conclusion at
approximately 4:30 a.m. PDT (7:30 a.m. EDT) on Friday, Oct 9, 2009, with the impact of the LCROSS Centaur upper stage rocket and four
minutes later, the impact of the LCROSS Shepherding Spacecraft into Cabeus crater near the moon´s south pole. To mark the event, NASA Ames
Research Center is hosting `LCROSS Impact Night.´ News media are invited to cover the three-part event that is open to the public and free
of charge.

Media definition:

In communication, media (singular medium) are the storage and transmission tools used to store and deliver information or data. It is often
referred to as synonymous with mass media or news media, but may refer to a single medium used to communicate any data for any purpose.

Just note " a single medium used to communicate any data for any purpose. "

Just not don't throw the baby out with the bath water.

That is the question....!

P.S. Intended for the so on "Purist" pun intended?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2843. Re: 2E0HTS satellite operation

Yahoo group: eu-amsat
Date: 2009-10-09 18:51:02 UTC
From: Simon
Topic: 2839 Message: 2843

Hello All at EU-AMSAT, I hope to hear some of you via the Birds in the future. Thank You to Al GM1SXX for the Invite I am really enjoying browsing the mass of good info here. I hope to contribute some useful bits and bobs soon. 73 Simon -2E0HTS IO93CU (Baildon in Yorkshire)

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
>
> Simon 2E0HTS lives on the Yorkshire moors and is a member of the group.
>
> He uses both Arrow and the IOIo antennas with both handhelds and fixed (FT-847) station. Photo of his portable Arrow based station at..
>
> http://d.yimg.com/kq/groups/12861049/tn/870109960/name/Arrow_MKii_QRP_Satellite_Station.jpg
>
> 73 Al.
> GM1SXX
>

2844. Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-10 09:19:21 UTC
From: g3wie
Topic: 2822 Message: 2844

> >
> >
> I'm using a directive system 24 elements loop yagi 2324LYRM
>
> http://www.directivesystems.com/
>
>

Thanks Luc, that's useful data, so it looks like my planned power level is ok if I have an antenna with about 18dbi gain

I see it's linear polarisation - do you have fading problems or is that not such an issue on L and S?

Chris g3wie

2845. Re: [eu-amsat] Re: Cheap antenna tracking?

Yahoo group: eu-amsat
Date: 2009-10-11 16:31:49 UTC
From: Luc Leblanc
Topic: 2822 Message: 2845

On 10 Oct 2009 at 9:19, g3wie wrote:

Date sent: Sat, 10 Oct 2009 09:19:21 +0000
From: g3wie <g3wie@...>
Subject: [eu-amsat] Re: Cheap antenna tracking?
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> > >
> > >
> > I'm using a directive system 24 elements loop yagi 2324LYRM
> >
> > http://www.directivesystems.com/
> >
> >
>
> Thanks Luc, that's useful data, so it looks like my planned power level is ok if I have an antenna with about 18dbi gain
>
>
> I see it's linear polarisation - do you have fading problems or is that not such an issue on L and S?
>
> Chris g3wie
>
>

None that i can detect who is affecting too much when the downlink is on UHF but with low power i often have half of a pass good and the
other half very week probably due to the antenna pointing. I say probably as i used to have a QSO where the station was barely above noise
from AOS to TCA when i was able to hear my own downlink S9 but on the TCA to LOS my signal goes back near the noise level and some time too
weak to be heard when the other station was S9
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2846. Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-11 22:35:08 UTC
From: Thomas Frey
Topic: 2846 Message: 2846

Hello All and morse afficionados

I heard the new turkish CubeSat ITUpSAT1 with its morse transmission.
I heard it was NOT in CW. I could hear the morse code in USB and FM.
I think, it was keyed and modulated FM. Is there a description for this
mode ? If I remember me right, John was talking about it a few time
ago.

Mit freundlichen Gr?ssen, Regardsn, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2847. Re: [eu-amsat] Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-12 07:01:24 UTC
From: Marco IK1ODO -2
Topic: 2846 Message: 2847

At 00.35 12/10/2009, you wrote:
>
>
>Hello All and morse afficionados
>
>I heard the new turkish CubeSat ITUpSAT1 with its morse transmission.
>I heard it was NOT in CW. I could hear the morse code in USB and FM.
>I think, it was keyed and modulated FM. Is there a description for this
>mode ? If I remember me right, John was talking about it a few time
>ago.
>
>Mit freundlichen Gr?ssen, Regardsn, 73
>Thomas Frey, HB9SKA

Hello Thomas,

if you had an SDR receiver it would have been easy to identify the
emission :-)

They send an FSK signal. The modulation is quite strange, the silence
is done sending a mark frequency, the tone is obtained switching
between mark an space.
The result is a kind of FM with the carrier on one side. If you like
I will send you a spectrogram later.

73 - Marco IK1ODO

2848. Re: [amsat-bb] Re: Can we get them to fix AO-40 first then?

Yahoo group: eu-amsat
Date: 2009-10-12 07:24:06 UTC
From: Luc Leblanc
Topic: 2848 Message: 2848

On 12 Oct 2009 at 8:50, jari.koivurinne@... wrote:

> > I'm no expert on AO-40, but to the best of my knowledge, the solar panels
> > are not retractable - they are fixed in place. The satellite cannot be
> > commanded "on", as the shorted batteries shunt virtually all of the solar
> > panel output, such that either the command receiver is not operating at
> > all,
> > or there is simply not enough juice to switch anything. Our best hope is
> > that someday, the batteries will fail open, just as AO-7's batteries did,
> > and AO-40 comes back to life when adequately illuminated.
> >
> > George, KA3HSW
> >
>
> Four of the solar panels are retractable but not released. Please see some
> old pictures.
> As the orientation of AO-40 is not known it is better that the panels are
> kept around the satellite. If they still exists...
> There is enough power from a single panel to run IHU and some beacon if
> the bus wires and electronics are not damaged. Some sensors indicated that
> sun is shining into the satellite so there may be big hole(s) in it.
> Not sure about that raport though. Have to check out that.
> The beacons were loud with the omnis and data was easily received with
> rubber duck and hand held radio. Miss that fine telemetry sound.
>
> I have allways said that the world would be different if AO-40 were alive.
>
> Jari, OH3UW
>
>

Just an excerpt from the amsat-dl AO-40 status page
http://www.amsat-dl.org/journal/adlj-p3d.htm

"The BCR's are designed to function with the solar panels extended, when they have to handle over 3 times the power available in spin
mode."

You can also have a pretty good idea of AO-40 life at http://en.wikipedia.org/wiki/AO-40.

Is AO-40 will be a next AO-07 in 30 years from 2004 lets say in 2034? just reading back this catastrophic event period i note this.

" --W4SM for the AO-40 Command Team

PERSONAL NOTE : Like my colleagues on the command team, I have lived and breathed AO-40 for over four years. All of us can almost mentally

decode 400 bps PSK. We hear it in our sleep. I was watching the battery voltage telemetry at the exact moment that the voltage dropped
precipitously. In my "day job" I have frequently watched catastrophic events unfold in human beings, and the feeling was EXACTLY the same.
Part of my day job is to have to make quick decisions during times such times, decisions that can have serious consequences. I was
instantly aware that we had a serious power event, and I considered cutting the main battery loose and trying to run on the nearly
completely discharged and untested under load aux. battery. However, because I did not have a clear understanding of where the primary
fault was, I elected to watch things and try to figure out what was happening. The general rule of, "when in doubt wait to understand"
works most of the time... In this case it didn't, and I'd sure like to live those minutes over again and cut the main battery loose.
Hindsight is always 20-20. Of course, if it had crashed anyway, then I'd really be beating myself up. If it's at all possible to bring AO-
40 back, we will. If the voltage is clamped low and there is no other damage, we may end up waiting a long time for a cell to "open",
hopefully not as long as for AO-07. ..or it may happen today. No success for even weeks or months does not mean that we won't eventually be
successful. We will sure keep trying. Several of you have written very nice notes of support. Thank you."

I have a question in mind since that time. Is an open cell event as the one happens in AO-07 can in the last AO-40 batteries context and
condition enable enough power/voltage-current to bring the satellite to some sort of life?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2849. Re: [eu-amsat] Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-12 09:29:39 UTC
From: Thomas Frey
Topic: 2846 Message: 2849

Marco IK1ODO -2 schrieb:
> At 00.35 12/10/2009, you wrote:
>
>> Hello All and morse afficionados
>>
>> I heard the new turkish CubeSat ITUpSAT1 with its morse transmission.
>> I heard it was NOT in CW. I could hear the morse code in USB and FM.
>> I think, it was keyed and modulated FM. Is there a description for this
>> mode ? If I remember me right, John was talking about it a few time
>> ago.
>>
>> Mit freundlichen Gr?ssen, Regardsn, 73
>> Thomas Frey, HB9SKA
>>
>
> Hello Thomas,
>
> if you had an SDR receiver it would have been easy to identify the
> emission :-)
>
> They send an FSK signal. The modulation is quite strange, the silence
> is done sending a mark frequency, the tone is obtained switching
> between mark an space.
> The result is a kind of FM with the carrier on one side. If you like
> I will send you a spectrogram later.
>
> 73 - Marco IK1ODO
>

Hello Marco

This is very interesting and we can learn something about a CubeSat. :-)
I have no SDR-receiver, just an old IC-R7000.

Hmmm... If I can hear the morse-tones in FM then it is AFSK (not to
confuse with Packet Radio, it means AudioFrequencyShiftKeying). But the
carrier is keyed and not steadily as an FM-transmission is normally.
Please send me your spectrogram or you can upload it for the group, Thanks.

The CubeSat Kagayaki was also forseen to send morse-code in FM, but it
is silent.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2850. Re: [eu-amsat] Re: [amsat-bb] Re: Can we get them to fix AO-40 first then?

Yahoo group: eu-amsat
Date: 2009-10-12 09:56:17 UTC
From: Thomas Frey
Topic: 2848 Message: 2850

Luc Leblanc schrieb:
> On 12 Oct 2009 at 8:50, jari.koivurinne@... wrote:
>
>
>
>
>>> I'm no expert on AO-40, but to the best of my knowledge, the solar panels
>>> are not retractable - they are fixed in place. The satellite cannot be
>>> commanded "on", as the shorted batteries shunt virtually all of the solar
>>> panel output, such that either the command receiver is not operating at
>>> all,
>>> or there is simply not enough juice to switch anything. Our best hope is
>>> that someday, the batteries will fail open, just as AO-7's batteries did,
>>> and AO-40 comes back to life when adequately illuminated.
>>>
>>> George, KA3HSW
>>>
>>>
>> Four of the solar panels are retractable but not released. Please see some
>> old pictures.
>> As the orientation of AO-40 is not known it is better that the panels are
>> kept around the satellite. If they still exists...
>> There is enough power from a single panel to run IHU and some beacon if
>> the bus wires and electronics are not damaged. Some sensors indicated that
>> sun is shining into the satellite so there may be big hole(s) in it.
>> Not sure about that raport though. Have to check out that.
>> The beacons were loud with the omnis and data was easily received with
>> rubber duck and hand held radio. Miss that fine telemetry sound.
>>
>> I have allways said that the world would be different if AO-40 were alive.
>>
>> Jari, OH3UW
>>
>>
>>
>
> Just an excerpt from the amsat-dl AO-40 status page
http://www.amsat-dl.org/journal/adlj-p3d.htm
>
> "The BCR's are designed to function with the solar panels extended, when they have to
handle over 3 times the power available in spin
> mode."
>
> You can also have a pretty good idea of AO-40 life at http://en.wikipedia.org/wiki/AO-40.

>
> Is AO-40 will be a next AO-07 in 30 years from 2004 lets say in 2034? just reading back this catastrophic event period i note this.
>
>
>
> " --W4SM for the AO-40 Command Team
>
> PERSONAL NOTE : Like my colleagues on the command team, I have lived and breathed AO-40 for over four years. All of us can almost mentally
> decode 400 bps PSK. We hear it in our sleep. I was watching the battery voltage telemetry at the exact moment that the voltage dropped
> precipitously. In my "day job" I have frequently watched catastrophic events unfold in human beings, and the feeling was EXACTLY the same.
> Part of my day job is to have to make quick decisions during times such times, decisions that can have serious consequences. I was
> instantly aware that we had a serious power event, and I considered cutting the main battery loose and trying to run on the nearly
> completely discharged and untested under load aux. battery. However, because I did not have a clear understanding of where the primary
> fault was, I elected to watch things and try to figure out what was happening. The general rule of, "when in doubt wait to understand"
> works most of the time... In this case it didn't, and I'd sure like to live those minutes over again and cut the main battery loose.
> Hindsight is always 20-20. Of course, if it had crashed anyway, then I'd really be beating myself up. If it's at all possible to bring AO-
> 40 back, we will. If the voltage is clamped low and there is no other damage, we may end up waiting a long time for a cell to "open",
> hopefully not as long as for AO-07. ..or it may happen today. No success for even weeks or months does not mean that we won't eventually be
> successful. We will sure keep trying. Several of you have written very nice notes of support. Thank you."
>
> I have a question in mind since that time. Is an open cell event as the one happens in AO-07 can in the last AO-40 batteries context and
> condition enable enough power/voltage-current to bring the satellite to some sort of life?
>
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>

>
>
>

I think NO. I understand the hope to bring AO-40 back to life. Be realistic. There was an explosion with high toxic fuel inside the satellite. Electronic was destroyed. I dosen't believe for wonders. It's not realistic to compare AO-7 with AO-40.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2851. Re: [eu-amsat] Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-12 12:06:31 UTC
From: Marco IK1ODO -2
Topic: 2846 Message: 2851

At 11.29 12/10/2009, you wrote:
>
>Hello Marco
>
>This is very interesting and we can learn something about a CubeSat. :-)
>I have no SDR-receiver, just an old IC-R7000.
>
>Hmmm... If I can hear the morse-tones in FM then it is AFSK (not to
>confuse with Packet Radio, it means AudioFrequencyShiftKeying). But the
>carrier is keyed and not steadily as an FM-transmission is normally.
>Please send me your spectrogram or you can upload it for the group, Thanks.
>
>The CubeSat Kagayaki was also forseen to send morse-code in FM, but it
>is silent.
>
>Mit freundlichen Gr?ssen, Regards, 73
>Thomas Frey, HB9SKA

Well, I just uploaded a spectrogram of ITUpSAT (saturday's pass).
Time runs from bottom to up.
If you look at the sidebands, from top you read "TA1..." etc
When there is no modulation then the carrier is at the left of the
channel center.
IMHO it is an FSK (not AFSK), done by modulating an FSK modem with a
constant 0 for silence and a bit-reversal, 1 kHz sequence for tone.
At end of message the carrier is switched off, and there is a
different tone (2 kHz). Delta-f is 5 kHz.

19+19 Tonna, an old Microwave Modules converter, Perseus, Winrad 1.32.

73 - Marco IK1ODO - JN35sa

2852. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2009-10-12 12:16:04 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 2852

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /IK1ODO/itupsat.jpg
Uploaded by : ik1odo <ik1odo@...>
Description : spectrogram of ITUpSAT modulation

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/IK1ODO/itupsat.jpg

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/general.htmlfiles

Regards,

ik1odo <ik1odo@...>

2853. G-5500 Rotator off heading on the control box

Yahoo group: eu-amsat
Date: 2009-10-12 12:17:30 UTC
From: kp4ed_1
Topic: 2853 Message: 2853

Dear Friends:

Following please find copy of the email forwarded by me to Yaesu on the subject malfuction. I will appreciate comments on this if someone of you had the same trouble.

Dear Sirs:

Please provide me support to correct the follwing malfunction of my az/el rotator Model G-5500 purchased about 5 months ago to AES in Orlando, FL.

The rotator moves correctly when the control is set to 0, 90, and 180 deg but from this heading upwards up to 360deg it gets off course, contrary to the heading indicated on the control box.

I have checked the 6 wire cable connections at both ends and they are correct.

Your support will be appreciated very much.

Sincerily,

Luis, KP4ED

2854. CW and FM

Yahoo group: eu-amsat
Date: 2009-10-12 16:11:17 UTC
From: John Hackett
Topic: 2854 Message: 2854

Hello Thomas,
You're quite right, I have mentioned CW and FM modulation twice in the last 12 months but was flamed both times ... so I decided to shut up! ... he he he.

Basically, it was about the following.

The self-proclaimed 'experts' are always saying we should encourage the FM crowd to 'upgrade' to CW and SSB - but that's rather difficult with a lack of linear transponders.

Many years ago, people used to use MCW (modulated CW on FM) by keying the PTT of their HT's (handie-Talkie aka handheld FM rigs.) It worked extreemly well on AO-27 in the 90's.

The trick was to keep the power down.

The Indian command stations of VO-52 suggested that newcomers without SSB rigs use this method on VO-52, the modern 'experts' (predominantly American) disagreed and frown upon any use of CW on FM.

Personally, I think it could go a *LONG* way to getting rid of the *ZOO* mentality on the FM satellites if it was done sensibly ... that is to say ... a *CLEAN* stable oscillator signal fed to the microphone input at a *LOW* power ... but of course, you can bet your rotor some Alligator would still !!!! call CQ over the top of you ...

Full duplex? ... Oh yes ! sir ... he he he.

It would require a revision of the current standard of operating proceedure ... which was a *LOT* higher when people took exams to get a license. Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes at your local supermarket.

KIDDING ... but there is no question that the standard of operating was a *LOT higher before the 'free' licenses came along.

73 John. <la2qaa@...>

2855. Re: [eu-amsat] CW and FM

Yahoo group: eu-amsat
Date: 2009-10-12 16:47:39 UTC
From: Luc Leblanc
Topic: 2854 Message: 2855

On 12 Oct 2009 at 18:11, John Hackett wrote:

Date sent: Mon, 12 Oct 2009 18:11:17 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] CW and FM
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

> It would require a revision of the current standard of operating proceedure ... which was a *LOT* higher when people took exams to get a license.
>Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes at your local supermarket.
>
> KIDDING ... but there is no question that the standard of operating was a *LOT higher before the 'free' licenses came along.
>
> 73 John. <la2qaa@...>
>
Here our ham licence certification has been revamped...there is an unique 1000 multiple choice question bank 100 per 10 section. The exams
are built taking 10 question from theses 10 section that's make 100 questions exams questionnaire You should have 70% the get your first
license and if you get 85% you are granted the full ham privileges HF-and vhf and up.

What it take's is a very good memory and the patience to go through the 1000 questions bank. If you note i never speak about CW there is
some sub combination with CW but i don't even care to read them...Who cares anyway with this system?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2856. RE: CW.

Yahoo group: eu-amsat
Date: 2009-10-12 17:57:31 UTC
From: John Hackett
Topic: 2854 Message: 2856

Hi Luc,
You said ...

>If you note i never speak about CW there is some
>sub combination with CW but i don't even care to
>read them...Who cares anyway with this system?

Well ... I do - and I suspect, as do most people who took the trouble to learn CW.

The following is my personal opinion.

When the going gets really rough, particfularly interference-wise ... CW is probably *THE* most reliaqble mode due to it's simplicity. Of course, PSK31 is also a very good weak signal mode - but you need a computer.

Competent CW operators can COMMUNICATE by simply banging on a wall with a brick.

As the Jay Leno 'You Tube' videos show, a couple of old timers on CW leave a couple of young people on SMS way behind, speed wise.

I would aski the anti-CW people to ponder this ... there *IS* a reason most satellites have a *CW* beacon ... and it's not! nostalgia.

Having said that ... I for one agree that it should not be mandatory ... but opertating proceedure should !!!.

I reiterate ... the above is my personal opinion - (to which I'm entitled). I do *NOT* ask anyone to either agree or disagree.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: lucleblanc6@videotron.ca
Date: Mon, 12 Oct 2009 12:47:39 -0400
Subject: Re: [eu-amsat] CW and FM

On 12 Oct 2009 at 18:11, John Hackett wrote:

Date sent: Mon, 12 Oct 2009 18:11:17 +0200

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] CW and FM

To: eu-amsat@yahoogroups.com

Send reply to: no_reply@yahoogroups.com

> It would require a revision of the current standard of operating proceedure ... which was a *LOT* higher when people took exams to get a license.

>Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes at your local supermarket.

>

> KIDDING ... but there is no question that the standard of operating was a *LOT higher before the 'free' licenses came along.

>

> 73 John. <la2qaa@...>

>

Here our ham licence certification has been revamped...there is an unique 1000 multiple choice question bank 100 per 10 section. The exams

are built taking 10 question from theses 10 section that's make 100 questions exams questionnaire You should have 70% the get your first

license and if you get 85% you are granted the full ham privileges HF-and vhf and up.

What it take's is a very good memory and the patience to go through the 1000 questions bank. If you note i never speak about CW there is

some sub combination with CW but i don't even care to read them...Who cares anyway with this system?

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

2857. Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-12 17:58:45 UTC
From: allan_gm1sxx
Topic: 2854 Message: 2857

> > It would require a revision of the current standard of operating proceedure ... which was a *LOT* higher when people took exams to get a license.
> >Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes at your local supermarket.
> >
Could I throw my 2 penceworth on the fire?

I'm a member of the Elderslie ARS (Renfrewshire) and we are an approved exam test centre. I have marked quite a few exam papers and I see problems on all sides.

One foundation paper I marked fairly recently asked what units frequency is meaured in. The answers to the question, (4 of the multiple-choice sort) included both Hz and Cp/s. I was shocked and astounded at that!
It seems that Cp/s is the wrong answer, because Hz is the 'accepted' book answer, if you like, 'book approved'. (sound familiar?)

I'd also like to point out that some of my radios are clearly marked in Mc/s and Cp/s.... so I imagine they also must clearly also be 'wrong'. Utterly disgraceful practice IMHO, on the part of the exam system / question pool. Yes, I did complain about it (weeks ago) in the strongest possible terms, but as yet... no feedback. I don't really expect any to be honest.

In the UK, there are foundation, Intermediate and advanced classes. My own personal opinion is that both Foundation and Intermediate are too dilute to be of real use to the candidates while offering far more generaous operating priviledges than they actually need, while Advanced is just right, same as the old 'Class A or B).
This leaves a large gulf between the Intermediate and Advanced exams so I suspect that many people don't ever progress beyond the Intermediate stage. Foundation gives access to most things with a 10W limit. Intermediate raises the power limit to 50W. I was asked recently to repair a 200W solid-state 2m Linear amplifier for an Intermediate licensee. Go figure, as our US cousins like to say.

A look around our club turns up many Foundation licensees, a couple of Intermediates and a few Advanced (mostly old style full licenses).

The Foundation exam requires the candidate to answer 25 questions. To get a pass, you only require to correctly answer 18 questions. This, along with some limited hands-on stuff, gets you access to most of the amateur bands you'd want with a (non-enforced) 10W power limnit. Sorry, but I think the exam system was far better in the past. The 2M and 70Cms bands around here sound at times like CB. Operating standards vary from excellent to downright non-existent. Almost always, the bad operating is by M3's.

The system as it stands is failing newcomers to amateur radio IMHO. It NEEDS to be a lot better. It's not all negative though, the new license structure has some hands-on stuff which I applaud. Thats a definite improvement over the exam based, 'drop em straight in it' systems.

Falls off soapbox!
.
.
THUD!

73 Al.
GM1SXX
PS I blame the parents.
(He's joking, honestly! ... LA2QAA!)

2858. Re: [eu-amsat] Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-12 18:29:49 UTC
From: Thomas Frey
Topic: 2846 Message: 2858

Marco IK1ODO -2 schrieb:
> At 11.29 12/10/2009, you wrote:
>
>> Hello Marco
>>
>> This is very interesting and we can learn something about a CubeSat. :-)
>> I have no SDR-receiver, just an old IC-R7000.
>>
>> Hmmm... If I can hear the morse-tones in FM then it is AFSK (not to
>> confuse with Packet Radio, it means AudioFrequencyShiftKeying). But the
>> carrier is keyed and not steadily as an FM-transmission is normally.
>> Please send me your spectrogram or you can upload it for the group, Thanks.
>>
>> The CubeSat Kagayaki was also forseen to send morse-code in FM, but it
>> is silent.
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>>
>
> Well, I just uploaded a spectrogram of ITUpSAT (saturday's pass).
> Time runs from bottom to up.
> If you look at the sidebands, from top you read "TA1..." etc
> When there is no modulation then the carrier is at the left of the
> channel center.
>

Then the frequency of the carrier is shifted.

> IMHO it is an FSK (not AFSK), done by modulating an FSK modem with a
> constant 0 for silence and a bit-reversal, 1 kHz sequence for tone.
> At end of message the carrier is switched off, and there is a
> different tone (2 kHz). Delta-f is 5 kHz.
>

I found the modulation you describes in Wikipedia. ITUpSAT1 transmits
a FSK beacon in "FSK-CW" designated as F1A. See
http://en.wikipedia.org/wiki/Letter_beacon#FSK_beacons

Also interesting is http://de.wikipedia.org/wiki/Modulationsart

> 19+19 Tonna, an old Microwave Modules converter, Perseus, Winrad 1.32.
>
> 73 - Marco IK1ODO - JN35sa
>
>

>

I hope I found the correct explanation. This is really interesting and also part of our hobby HAM radio. So you can learn from a CubeSat.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2859. Re: [eu-amsat] Morse transmission

Yahoo group: eu-amsat
Date: 2009-10-12 16:16:14 UTC
From: Thomas Frey
Topic: 2846 Message: 2859

Marco IK1ODO -2 schrieb:
> At 11.29 12/10/2009, you wrote:
>
>> Hello Marco
>>
>> This is very interesting and we can learn something about a CubeSat. :-)
>> I have no SDR-receiver, just an old IC-R7000.
>>
>> Hmmm... If I can hear the morse-tones in FM then it is AFSK (not to
>> confuse with Packet Radio, it means AudioFrequencyShiftKeying). But the
>> carrier is keyed and not steadily as an FM-transmission is normally.
>> Please send me your spectrogram or you can upload it for the group, Thanks.
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>> The CubeSat Kagayaki was also forseen to send morse-code in FM, but it
>> is silent.
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
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> Well, I just uploaded a spectrogram of ITUpSAT (saturday's pass).
> Time runs from bottom to up.
> If you look at the sidebands, from top you read "TA1..." etc
> When there is no modulation then the carrier is at the left of the
> channel center.
>

Then the frequency of the carrier is shifted.

> IMHO it is an FSK (not AFSK), done by modulating an FSK modem with a
> constant 0 for silence and a bit-reversal, 1 kHz sequence for tone.
> At end of message the carrier is switched off, and there is a
> different tone (2 kHz). Delta-f is 5 kHz.
>

I found the modulation you describes in Wikipedia. ITUpSAT1 transmits
a FSK beacon in "FSK-CW" designated as F1A. See
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> 19+19 Tonna, an old Microwave Modules converter, Perseus, Winrad 1.32.
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>
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>

I hope I found the correct explanation. This is really interesting and also part of our hobby HAM radio. So you can learn from a CubeSat.

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Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2860. Re: [eu-amsat] Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-12 20:30:19 UTC
From: Trevor .
Topic: 2854 Message: 2860

> >Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes
> > at your local supermarket.

Must be a return to the 1930's. Then there were no written exams in the UK you just asked for and paid your money to get a licence.

I'm glad to say there are some Amateurs from that era who are still active on the bands and superb operators they are despite the absence of any formal written exam.

Re exam questions it's what appears in the syllabus that matters nothing else. c/s aren't in the syllabus, hence the reason for it being the wrong answer.

If you think about it there is little point in teaching archaic units used in the early 1900's. Granted it's an interesting bit of history but not really relevant to Radio Communications in the 21st century.

BTW there's been several questions that I've marked where I've initially thought that there could be another "right" answer in addition to the one given. However, in each case it turns out that knowing too much about a subject can make you see reasons why a different choice might be true. The key thing to remember is the exam is on the Radio Communications Syllabus and nothing else.

73 Trevor M5AKA

2861. Re: [eu-amsat] RE: CW.

Yahoo group: eu-amsat
Date: 2009-10-13 04:09:38 UTC
From: Luc Leblanc
Topic: 2854 Message: 2861

>
> I reiterate ... the above is my personal opinion - (to which I'm entitled). I do *NOT* ask anyone to either agree or disagree.

When i wrote " If you note i never speak about CW there is some sub combination with CW but i don't even care to read them...Who cares"
anyway with this system?

Just to pointed out the meaning of the "system" it is this new no code licence where even if we feel they still should have kept the CW
requirements they decide to let it go with the natural conclusion now that "Who cares" now as we don't need it to get an amateur radio
licence.

I agree with you a CW signal can be detected where a phone signal will not but in this first part of the 21st century we have PSK 31 where
many DB'S below the noise level a PSK 31 signal can be decoded where a CW signal cannot be detected.

Many folks are refusing to let a message on a voice mail system it's their choice but even if CW win the Jay Leno contest they will have
hard time in the context of the 2009 Montreal Black and Blue event and the participants will surely prefer their IPhone Blackberry and so
on to send their text/audio/video message live while dancing they will probably having some rough time with their CW key...

Have a look at this :http://www.youtube.com/watch?v=I6g4OxXmMy0&feature=related
and: http://www.wikio.fr/video/1811047

and the info's at :http://www.bbcm.org/black-and-blue-program/

Each long Thanksgiving week end here we can watch bus coming from Montreal letting go theses participants boys and girls some even with
part of their ballroom dress and suits ;)

P.S. It's not my cup of tea but i should admit CW is old fashion even if i still can have a full QSO on the satellites and on HF... at low
speed.

Vox populi vox dei

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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WAC BASIC CW PHONE SATELLITE

2862. Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-13 07:31:38 UTC
From: allan_gm1sxx
Topic: 2854 Message: 2862

Perhaps I should have entitled this one... 'when the right answer is wrong!'

--- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:

> Re exam questions it's what appears in the syllabus that matters nothing else. c/s aren't in the syllabus, hence the reason for it being the wrong answer.
>

So in your mind Trevor, the fact that Cp/s and Hz have the exact same meaning is somehow irrelevant? I strongly disagree with you.
This is the big problem with 'book learning'. It creates a narrow field of view of the world where realities mustn't intrude at any cost.

Working in the education sector, I see examples of this sort of stupidity every day. Of course, it make things easy for the teaching staff, who then don't require a broad education to 'teach'.
The only acceptable answer is the book one.

> If you think about it there is little point in teaching archaic units used in the early 1900's. Granted it's an interesting bit of history but not really relevant to Radio Communications in the 21st century.
>
Not so archaic old boy. Check your facts. Some of the radios I was talking about are not very old. Might even be younger than you!

Hertz *means* Cyles per second. The SI unit is based on the Imperial one. Go look it up if you disagree. Sure it's archaic!

Here OM, I'll save you the bother of looking like a complete pillock.

hertz [hɜːts]
n pl hertz
(Mathematics & Measurements / Units) the derived SI unit of frequency; the frequency of a periodic phenomenon that has a periodic time of 1 second; 1 cycle per second. Symbol Hz
[named after Heinrich Rudolph Hertz (1857-94), German physicist]

Bad news when our amateur radio exam system designates two units of identical meaning as somehow different.
Isn't 'education' wonderful :-)
God save our young people from the 'educators'.

73 Al.
GM1SXX

2863. Re: [eu-amsat] Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-13 07:43:19 UTC
From: Trevor .
Topic: 2854 Message: 2863

--- On Tue, 13/10/09, allan_gm1sxx <allan_gm1sxx@...> wrote:
> Here OM, I'll save you the bother of looking like a complete pillock.

You can always tell when someone knows they've lost an argument - name calling.

The syllabus for Foundation Radio Communications Exam is at

http://www.commsfoundation.org/rce/pdf/foundationsyllabus.pdf

Candidates are examined on what is in the syllabus nothing else.

73 Trevor M5AKA

2864. Re: Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-13 08:11:44 UTC
From: allan_gm1sxx
Topic: 2854 Message: 2864

> To: eu-amsat@yahoogroups.com
> From: m5aka@...
> Date: Tue, 13 Oct 2009 07:43:19 +0000
> Subject: Re: [eu-amsat] Cornflakes licensing. (mostly serious but take with a trace of humour)
>
> --- On Tue, 13/10/09, allan_gm1sxx <allan_gm1sxx@...> wrote:
> > Here OM, I'll save you the bother of looking like a complete pillock.
>
> You can always tell when someone knows they've lost an argument - name calling.
> Candidates are examined on what is in the syllabus nothing else.
>
> 73 Trevor M5AKA

That *was* my point. The syllabus is being degraded into a nonsense by including such questions in exams. Cp/s and Hz are functionally identical and the 'archaic' unit you'd happily 'lose' *is* in fact the basis for the SI one. To 'teach' people in this limited and shortsighted way is to deny them a proper and balanced education.

I see this sort of garbage on regular basis at work. It's generally referred to as 'ticking the boxes'.

It's done of course, to make teaching and marking easier for those tutors with a limited understanding of what they are teaching. Stock answers are very convenient for marking purposes.
We do have a few people here who have worked in the 'real world' and boy does it show in the way they teach. The real problem is that we just have nowhere like enough of them.

73 Al.
Gm1SXX

2865. RE: [eu-amsat] Cornflakes licensing. (mostly serious but take with a trace of humour)

Yahoo group: eu-amsat
Date: 2009-10-13 08:12:32 UTC
From: John Hackett
Topic: 2854 Message: 2865

For those that missed the point.

When one had to 'learn' something and prove it had been learned by taking a written exam where the answers were *NOT* given beforehand, in my opinion, that made for better qualified people than the random guessing game where the correct answers *ARE*given and one just has to choose the correct one.

Recently, a Scottish amateur had a question marked as *INCORRECT* for writing kilocycles instead of kilohertz. Surely! a case of hairsplitting we could be without?.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Mon, 12 Oct 2009 20:30:19 +0000
Subject: Re: [eu-amsat] Cornflakes licensing. (mostly serious but take with a trace of humour)

> >Nowadays, they give licenses away FREE with 3 x packets of Corn Flakes

> > at your local supermarket.

Must be a return to the 1930's. Then there were no written exams in the UK you just asked for and paid your money to get a licence.

I'm glad to say there are some Amateurs from that era who are still active on the bands and superb operators they are despite the absence of any formal written exam.

Re exam questions it's what appears in the syllabus that matters nothing else. c/s aren't in the syllabus, hence the reason for it being the wrong answer.

If you think about it there is little point in teaching archaic units used in the early 1900's. Granted it's an interesting bit of history but not really relevant to Radio Communications in the 21st century.

BTW there's been several questions that I've marked where I've initially thought that there could be another "right" answer in addition to the one given. However, in each case it turns out that knowing too much about a subject can make you see reasons why a different choice might be true. The key thing to remember is the exam is on the Radio Communications Syllabus and nothing else.

73 Trevor M5AKA

2866. Re: [amsat-bb] AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-13 15:05:59 UTC
From: Luc Leblanc
Topic: 2866 Message: 2866

"The new AMSAT CubeSat's initial capability is planned to add to the popular low-earth orbit FM transponder fleet
allowing hams to continue to use their existing handheld and portable antenna systems. This also continues the accessible
entry path for new satellite operators to get started. The existing FM satellites are starting to show their age."

It was widely admitted that AO-51 was a mistake years ago as a transponder type satellite should have been chosen instead of a single
channel satellite.

IMHO There ia already enough capabilities with the existing fleet SO-50 AO-51 AO-27 ISS cross band repeater for an entry class satellite
plus many cubes in the making as arisat-1. What we lack is a HEO or some AO-07 like satellite with transponder who will make
transcontinental QSO'S possible. Theses one channel satellite are a waste of money compare to a transponder type as many simultaneous QSO'S
can be achieved at the same time.

But theses issues where widely discussed in the past and i'm guessing the AMSAT symposium attendance widely clapped at this announcement!!!

What AMSAT-NA will be in the next years " HANDHELD CLUB" as written " to continue to use their existing handheld and portable antenna
systems."

Wrong direction again 180 degrees of the logical course again!

P.S. It is obvious this variation on the same subject proposal will have plenty of time to evolved or to be put in real service only to be
replaced by other new proposals. it is the dog running after his tails syndrome who prevail again. Bottom line is another deceptive
unrealistic proposal IMHO.

Feel free to agree or disagree but the shrinking AMSAT-NA membership is probably what's is triggering theses proposals a king of safety
buoy for the BOD to avoid drowning the whole crew and her ship.
"-"

Luc Leblanc VE2DWE
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WAC BASIC CW PHONE SATELLITE

2867. Re: [amsat-bb] AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-13 18:50:50 UTC
From: allan_gm1sxx
Topic: 2866 Message: 2867

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:

snip
> It was widely admitted that AO-51 was a mistake years ago as a transponder type satellite should have been chosen instead of a single
> channel satellite.

Well Luc and the group, there's always an easy fix if you don't like what's happening... just shift your allegiance and subscribe to something you believe in. I have done, and just like anything else I subscribe to, like my home insurance, or my phone supplier, I realise that there is a choice. There are quite a few AMSAT groups out there to choose from, doing different things, and of course some groups that only collect money for other groups :-) If you don't approve of the decisions made by the group you are a member of, you can always go elsewhere. At the time, I thought that AO51 was an incredibly daft idea and a complete waste of valuable resources, and I still do. I voted with my feet after AMSAT-UK decided to help fund AO51 and joined AMSAT-India instead. I was told at the time I was certainly far from alone alone in abandoning ship. If the Russians were still in the game, I'd happily chuck money in that direction. The RS birds were a load of fun. There again, if an AO7 replacement was on the cards, I'd help fund that instead! HEO's, Molniyas? ZZZZZzzzzzz. I'd rather watch paint dry :-)

73 Al.
GM1SXX

2868. Re: [eu-amsat] Re: [amsat-bb] AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-13 23:27:04 UTC
From: Thomas Frey
Topic: 2866 Message: 2868

allan_gm1sxx schrieb:
>
> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> snip
>
>> It was widely admitted that AO-51 was a mistake years ago as a transponder type satellite should have been chosen instead of a single
>> channel satellite.
>>
>
> Well Luc and the group, there's always an easy fix if you don't like what's happening... just shift your allegiance and subscribe to something you believe in. I have done, and just like anything else I subscribe to, like my home insurance, or my phone supplier, I realise that there is a choice. There are quite a few AMSAT groups out there to choose from, doing different things, and of course some groups that only collect money for other groups :-) If you don't approve of the decisions made by the group you are a member of, you can always go elsewhere. At the time, I thought that AO51 was an incredibly daft idea and a complete waste of valuable resources, and I still do. I voted with my feet after AMSAT-UK decided to help fund AO51 and joined AMSAT-India instead. I was told at the time I was certainly far from alone alone in abandoning ship. If the Russians were still in the game, I'd happily chuck money in that direction. The RS birds were a load of fun. There again, if an
> AO7 replacement was on the cards, I'd help fund that instead! HEO's, Molniyas? ZZZZZzzzzzz. I'd rather watch paint dry :-)
>
> 73 Al.
> GM1SXX
>
>

Hello Al and group

In general you are right. But there is also an emotional reason for a membership. But OK, everyone is free to join his preferred club.

Why not join AMSAT-DL ? There is a HEO waiting -> www.amsat-dl.org
Why not join AMSAT-ZL ? There is KiwiSat waiting ->
http://www.kiwisat.org.nz/

More projects:
- SSETI-ESEO is suportet by AMSAT-UK
- SATEDU by AMSAT-France - Status unknown ->
http://www.amsat-france.org/satedu/
- PehuenSat-2 by AMSAT-LU - Status unknown ->
http://www.aate.bizhosting.com/Proyectos/Pehuensat/pehuensat.htm

- Satellite on a PCB by AMSAT-OZ - Status unknown ->
http://wiki.amsat.dk/index.php/Main_Page
- FUNcube by AMSAT-UK - New -> http://www.funcube.org.uk/

There are 6 other AMSAT organisations you can join to support their project.

About AMSAT-NA I'm very disappointed. If I would be a member, I would leave this organisation now. I had the hope, they would revive their Eagle project or in minimum, in spite of ITAR, they would support Phase-3E. And now ? They want a CubeSat ! Zzzzz... This are steps backwards, like from the University to Kindergarten.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2869. Re: [amsat-bb] Re: AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-14 04:18:22 UTC
From: Luc Leblanc
Topic: 2869 Message: 2869

On 13 Oct 2009 at 18:42, Tim - N3TL wrote:

Date sent: Tue, 13 Oct 2009 18:42:15 -0700 (PDT)
From: Tim - N3TL <n3tl@...>
Subject: Re: [amsat-bb] Re: AMSAT Symposium News Posted to the Web
To: Luc Leblanc <lucleblanc6@...>, amsat-bb@...
Copies to: eu-amsat@yahoogroups.com

> Hello Luc,
>
> I have some questions.
>
> 1- What is the logical direction, in your opinion?

Helping our German's friends launching P3E

> 2 - How much would that direction cost, in your opinion?

A lot of $$$ who should better invest in achieving P3E rather than sending another FM single channel LEO repeater cube

> 3 - How would you propose paying for that direction?
>
I never see a clear financial and funding projected structure in years since AO-40. On any project when the goals are set and the money
target is clearly establish the hard part will be to regroup all the international AMSAT'S and all the potential funding sources:
government, spaces agencies, universities, amateur radio association eg: ARRL, RAC, RSGB ect (Some of them already contribute to P3E)

The funding solution will go by an international funding campaign and by a fixed minimal contribution per amateur who want's to have an
HEO. I am member of a local marina and each new member should pay a one time Dredging Fee of 250$. The marina is open here from May 15 to
October 4 about 5 months. I can used a satellite 12 months am i willing to pay 250$ a year YES and could be more if a sound international
structure with well defined planning and objectives can demonstrate a serious will towards the next HEO.

There is already a lot of dedicated peoples around the amateurs radio satellite business who are only making their own small things in
their small backyard. Why not regrouping their energies and money towards "ONLY ONE SINGLE" big project? In the amateur satellite world we
called that a HEO satellite as AO-40 and as AO-07 AO-10 AO-13 generation who where the first steps towards AO-40.

Just to be clear my opinion is not against the collective effort and people works but against some of the objectives they carry. Volunteers
motivation should be the best interest of all not the few.

Feel free to come back this is a very wide subject of discussion with many possible outcome.

73 Tim
"-"

Luc Leblanc VE2DWE
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DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2870. Re: [amsat-bb] AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-14 09:01:48 UTC
From: allan_gm1sxx
Topic: 2866 Message: 2870

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Hello Al and group
> Why not join AMSAT-DL ? There is a HEO waiting -> www.amsat-dl.org
> Why not join AMSAT-ZL ? There is KiwiSat waiting ->
> http://www.kiwisat.org.nz/
>
Hi Thomas.
I did take my own advice quite a while ago and donated to Kiwisat.
Sometimes, even I think that I occasionally talk sense :-)
Emotional reasons? I'll skip on that. and HEO's IMHO are boring, so I'll skip on that also.
Ditto Cubesats. As I said, you *always* have a choice. Although some might find this strange, there's far more to AMSAT than only what AMSAT-NA and AMSAT-DL are doing. I think the Americans in particular often forget this fact, and lest anyone thinks I have a 'downer' on the Yanks or the Germans, I don't!

We have many friends in the US. Also Canada New Zealand, Portugal, Brazil..... none in Britain, but plenty around the World. Shades of Tony Hancock in 'The radio Ham'. (He's only joking!... LA2QAA)
There are fine people everywhere you look in the World.
73 Al.
GM1SXX

2871. Re: [amsat-bb] Re: AMSAT Symposium News Posted to the Web

Yahoo group: eu-amsat
Date: 2009-10-15 10:33:49 UTC
From: Luc Leblanc
Topic: 2869 Message: 2871

I got an overwhelming amount of mail private and public and it will take a bit of time to answer them all but rest assured you will get an
answer back.

Even if some are making an association with Lucius Domitius Ahenobarbus he was falsely accused of setting the fire but at that time he was
out of Rome. Again how can i be wrong when i say It was IMHO?

I'm just reporting the past AMSAT-NA actions or inactions and disrespectual commenting about others opinions. It is again clearly well
presented by Mr Bob Mcgwier as:

"You are just as full of crap now as you were before I stopped reading this at the end of my term as director and officer."

"PLEASE for crying out loud, go into a winter wonderland cave and hibernate for a winter."

But what i am saying since i don't remember how many years is just clearly written in his few lines by a former AMSAT-NA director:

"It is my opinion, given much input from several sources, that AMSAT-NA
has been harmed directly and substantially by the conduct on this BB.
Be grateful I am a has been. If I were a director and had this input,
I would move to turn this thing off tomorrow rather than let it continue
another day and do the damage notes such as yours and others do to the
organization in being viewed by outside people."

If the actual AMSAT-BOD failed to condemn this attitute and conduct it will only mean that this "OLD" AMSAT-NA trend is still present in
AMSAT-NA. It is not me who try to blackmail his own BOD but failing to respect opinions of the others this way is one of the major
contributing fact for AMSAT -NA disintegration.

What's options remains building a cube sat in hurry to patch the whole made by past wrong decisions as admitted for the first time be a
past AMSAT-NA director:

"We made mistakes in dealing with this issue. We have remedied these mistakes.

I'm not second guessing anyone here i freely express my opinion and for the first time a past AMSAT-NA director openly agree with what i
think and wrote first here in this thread and i quote:

"There is only one way I can see we will get to HEO. That is partnered
with the world and most especially with AMSAT-DL who have a complete
satellite but need some things from AMSAT-NA, promised before the ITAR
hammer dropped on us"

Well done Bob on this one this idea is share with a lot of folks here and in Europe too (this text is also posted on AMSAT-EU group
reflector)

AGAIN i am not again the FM/handheld sat user but as i already wrote AMSAT-NA was looking at the passing train exceeded on its line by the
universities cascading cube sat launch. Yes AMSAT-NA plans is to be back on space it was not in their original goals and mission? This
water whole plug will only put another cube in the air not love is in the air...

A fact remain there is a cross band repeater collecting space dust in ISS, IT IS THE BEST ENTRY SAT FOR THE AMSAT'S" Why not putting it in
service? it is the biggest assets for the international amateur satellite community AND HE'S NOT WORKING AT ALL!!! Did someone is sleeping
on the switch wake up your EASY SAT is there just switch the switch on for god sake.

You can not imagine how many comments i received when ISS was put in cross band mode even CB.ers where listening from their car scanner and
numerous ham's where able to have a QSO with their mobile cross band radio.

Do you wonder why the actual FM sat are empty? It is only because they are TOO WEAK to be easily copied by simple apparatus eg: mobile car
antenna rubber duck and so on clothes hangers chicken fence wire stuff. Even a new cube on the block will not help at all. WOULD YOU PLEASE
just switch the ISS cross band repeater ON and have someone sit on it to keep it ON and you will have it your "&5X!| EASY ENTRY SAT.

Just returning to the regular programming...please don't adjust your screen.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2872. 13cm antenna

Yahoo group: eu-amsat
Date: 2009-10-22 21:20:11 UTC
From: g3wie
Topic: 2872 Message: 2872

Hello everyone,

Still working on my antennas and related bits. I've cut elements for crossed-yagis - 6-ele for V and 10- ele for U and have fibreglass booms ready to drill. I'm now working on a box with preamps, filters and phasing/switching for the CP which will be up next to the antennas. As I have an S converter I'm thinking of building that into the box on the mast at the same time. (L will wait for a bit....)

I've searched around for suitable antennas for S and not found much beyond reference in this forum to a 19-turn helix used indoors. I can make such a thing, but does anyone have any more guidance?

Tia

Chris g3wie

2873. Re: [eu-amsat] 13cm antenna

Yahoo group: eu-amsat
Date: 2009-10-23 10:52:45 UTC
From: Thomas Frey
Topic: 2872 Message: 2873

g3wie schrieb:
> Hello everyone,
>
> Still working on my antennas and related bits. I've cut elements for crossed-yagis - 6-ele for V and 10- ele for U and have fibreglass booms ready to drill. I'm now working on a box with preamps, filters and phasing/switching for the CP which will be up next to the antennas. As I have an S converter I'm thinking of building that into the box on the mast at the same time. (L will wait for a bit....)
>
> I've searched around for suitable antennas for S and not found much beyond reference in this forum to a 19-turn helix used indoors. I can make such a thing, but does anyone have any more guidance?
>
> Tia
>
> Chris g3wie
>
>
Hello Chris

To listen on the S-band downlink of AO-51 I would make a yagi antenna
with a big reflector. AO-51 is linearly polarized on S.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2874. RE: [eu-amsat] 13cm antenna

Yahoo group: eu-amsat
Date: 2009-10-23 11:16:07 UTC
From: John Hackett
Topic: 2872 Message: 2874

Well done! Thomas,
Good advice. That is precisely! the idea behind this reflector.

73 John. <la2qaa@...>

EU-Amsat founder/moderator.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 23 Oct 2009 12:52:45 +0200
Subject: Re: [eu-amsat] 13cm antenna

g3wie schrieb:

> Hello everyone,

>

> Still working on my antennas and related bits. I've cut elements for crossed-yagis - 6-ele for V and 10- ele for U and have fibreglass booms ready to drill. I'm now working on a box with preamps, filters and phasing/switching for the CP which will be up next to the antennas. As I have an S converter I'm thinking of building that into the box on the mast at the same time. (L will wait for a bit....)

>

> I've searched around for suitable antennas for S and not found much beyond reference in this forum to a 19-turn helix used indoors. I can make such a thing, but does anyone have any more guidance?

>

> Tia

>

> Chris g3wie

>

>

Hello Chris

To listen on the S-band downlink of AO-51 I would make a yagi antenna

with a big reflector. AO-51 is linearly polarized on S.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2875. Re: [eu-amsat] 13cm antenna

Yahoo group: eu-amsat
Date: 2009-10-23 12:04:17 UTC
From: Thomas Frey
Topic: 2872 Message: 2875

John Hackett schrieb:
>
>
> Well done! Thomas,
> Good advice. That is precisely! the idea
> behind this reflector.
>

Thanks John :-)

A Loop Yagi would also be interesting to construct.

> 73 John. <la2qaa@...>
>
> EU-Amsat founder/moderator.
>
> ----------
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Fri, 23 Oct 2009 12:52:45 +0200
> Subject: Re: [eu-amsat] 13cm antenna
>
>
> g3wie schrieb:
> > Hello everyone,
> >
> > Still working on my antennas and related bits. I've cut elements for
> crossed-yagis - 6-ele for V and 10- ele for U and have fibreglass
> booms ready to drill. I'm now working on a box with preamps, filters
> and phasing/switching for the CP which will be up next to the
> antennas. As I have an S converter I'm thinking of building that into
> the box on the mast at the same time. (L will wait for a bit....)
> >
> > I've searched around for suitable antennas for S and not found much
> beyond reference in this forum to a 19-turn helix used indoors. I can
> make such a thing, but does anyone have any more guidance?
> >
> > Tia
> >
> > Chris g3wie
> >
> >
> Hello Chris
>
> To listen on the S-band downlink of AO-51 I would make a yagi antenna
> with a big reflector. AO-51 is linearly polarized on S.

>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2876. Re: 13 cm antenna

Yahoo group: eu-amsat
Date: 2009-10-23 14:43:02 UTC
From: WILLIAMS MICHAEL
Topic: 2876 Message: 2876

Chris,

I have built 13 cm antennas from the site of G6LVB and N4WYK all with PVC.

N4WYK's antennas is no longer at his website, but I can scan the construction documents for you and email. When faced with getting quickly on AO-40, I constructed N4WYK's 16 turn helix .

Here are some good websites for 2.4GHz helix antennas.

2. http://ve2zaz.net/

Select 2.4 GHz helix.

3. www.g6lvb.com/

Select quadruple helix for AO-40.

4. www.qsl.net/ve3cvg/antennas/2400/

If I can be of any help, please email me.

73,
Mike
K9QHO

13cm antenna
Posted by: "g3wie" g3wie@... g3wie
Thu Oct 22, 2009 2:20 pm (PDT)

Hello everyone,

Still working on my antennas and related bits. I've cut elements for crossed-yagis - 6-ele for V and 10- ele for U and have fibreglass booms ready to drill. I'm now working on a box with preamps, filters and phasing/switching for the CP which will be up next to the antennas. As I have an S converter I'm thinking of building that into the box on the mast at the same time. (L will wait for a bit....)

I've searched around for suitable antennas for S and not found much beyond reference in this forum to a 19-turn helix used indoors. I can make such a thing, but does anyone have any more guidance?

Tia

Chris g3wie

2877. PE1RAH joins EU-AMSAT.

Yahoo group: eu-amsat
Date: 2009-10-23 14:49:05 UTC
From: allan_gm1sxx
Topic: 2877 Message: 2877

Hi Group,

I'd like to offer a big welcome to William Leijenaar PE1RAH as the latest person to join the EU-AMSAT group. William designed and built the backup transponder for HM-1, AKA Hamsat or VO-52. His latest venture is a PICOSAT sized linear transponder built in SMT that has attracted considerable interest.

You can read more at..
http://www.leijenaarelectronics.nl/
http://www.pe1rah.observations.biz/index.htm
http://www.pe1rah.observations.biz/VIDEOS/index.htm
and many other places on the web.

73's Al
GM1SXX

2878. FT736

Yahoo group: eu-amsat
Date: 2009-10-23 20:38:05 UTC
From: Jon
Topic: 2878 Message: 2878

Hi all, I've got an FT736 and I was wondering if I could inject a ctcss tone into the 1200 packet connector on the back of the radio?
Cheers Jon G7TZZ

2879. Re: PE1RAH joins EU-AMSAT.

Yahoo group: eu-amsat
Date: 2009-10-23 21:12:27 UTC
From: st2nh
Topic: 2877 Message: 2879

Hi all

Big WELCOME William Leijenaar PE1RAH
& warm welcome from heart of africa.

Nader.st2nh
www.st2nh.com

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
>
> Hi Group,
>
> I'd like to offer a big welcome to William Leijenaar PE1RAH as the latest person to join the EU-AMSAT group. William designed and built the backup transponder for HM-1, AKA Hamsat or VO-52. His latest venture is a PICOSAT sized linear transponder built in SMT that has attracted considerable interest.
>
> You can read more at..
> http://www.leijenaarelectronics.nl/
> http://www.pe1rah.observations.biz/index.htm
> http://www.pe1rah.observations.biz/VIDEOS/index.htm
> and many other places on the web.
>
> 73's Al
> GM1SXX
>

2880. Re: FT736

Yahoo group: eu-amsat
Date: 2009-10-24 10:14:49 UTC
From: allan_gm1sxx
Topic: 2878 Message: 2880

--- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@...> wrote:
>
> Hi all, I've got an FT736 and I was wondering if I could inject a ctcss tone into the 1200 packet connector on the back of the radio?
> Cheers Jon G7TZZ
>

Hi Jon,

I dont see why not, so long as the input coupling/DC blocking capacitor(s) inside the radio is/are of sufficiently large value to pass the 67 - 254Hertz tones. Go try it I say! Packet uses 1200/2200Hz tones so of course you may have to adjust the value of the capacitor to suit. Worst case is that it just wont work, so you don't have a lot to lose :-) If you have the schematics, you should be able to indentify the capacitor(s) involved in the signal path. I don't own a 736 but if you cant get it to work, contact me off-reflector at gm1sxx@... and I'll try to help.

73 Al.
GM1SXX

2881. Re: [eu-amsat] Re: FT736

Yahoo group: eu-amsat
Date: 2009-10-24 10:56:41 UTC
From: Thomas Frey
Topic: 2878 Message: 2881

allan_gm1sxx schrieb:
> --- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@...> wrote:
>
>> Hi all, I've got an FT736 and I was wondering if I could inject a ctcss tone into the 1200 packet connector on the back of the radio?
>> Cheers Jon G7TZZ
>>
>>
>
> Hi Jon,
>
> I dont see why not, so long as the input coupling/DC blocking capacitor(s) inside the radio is/are of sufficiently large value to pass the 67 - 254Hertz tones. Go try it I say!
> Packet uses 1200/2200Hz tones so of course you may have to adjust the value of the capacitor to suit. Worst case is that it just wont work, so you don't have a lot to lose :-) If you have the schematics, you should be able to indentify the capacitor(s) involved in the signal path. I don't own a 736 but if you cant get it to work, contact me off-reflector at gm1sxx@... and I'll try to help.
>
> 73 Al.
> GM1SXX
>
>
Hello Jon and Al

I do it from my PC-soundcard --> variable resistor --> Data input of my Kenwood TS-711E.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2882. Re: 13cm antenna

Yahoo group: eu-amsat
Date: 2009-10-24 20:14:07 UTC
From: g3wie
Topic: 2872 Message: 2882

Thanks everyone for your comments/info. I'll go and look through it.

Chris

2883. Re: FT736

Yahoo group: eu-amsat
Date: 2009-10-25 21:15:35 UTC
From: Jon
Topic: 2878 Message: 2883

OK thanks i'll give it a go and let you know what happens.
Cheers Jon G7TZZ

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> allan_gm1sxx schrieb:
> > --- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@> wrote:
> >
> >> Hi all, I've got an FT736 and I was wondering if I could inject a ctcss tone into the 1200 packet connector on the back of the radio?
> >> Cheers Jon G7TZZ
> >>
> >>
> >
> > Hi Jon,
> >
> > I dont see why not, so long as the input coupling/DC blocking capacitor(s) inside the radio is/are of sufficiently large value to pass the 67 - 254Hertz tones. Go try it I say!
> > Packet uses 1200/2200Hz tones so of course you may have to adjust the value of the capacitor to suit. Worst case is that it just wont work, so you don't have a lot to lose :-) If you have the schematics, you should be able to indentify the capacitor(s) involved in the signal path. I don't own a 736 but if you cant get it to work, contact me off-reflector at gm1sxx@... and I'll try to help.
> >
> > 73 Al.
> > GM1SXX
> >
> >
> Hello Jon and Al
>
> I do it from my PC-soundcard --> variable resistor --> Data input of
> my Kenwood TS-711E.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2884. Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-10-28 17:55:29 UTC
From: g3wie
Topic: 2884 Message: 2884

Hello All,

I'm now starting to cut materials for my antennas. I have to keep them to a modest size as the rotator (TV-style with 38mm pole - about 1.5m of the pole above the bearing) isn't going to handle anything huge, and neither will the neighbours. So I'm planning on crossed 4-ele for 2m and crossed 8-ele for 70cm, mounted as close as sensible on a horizontal boom fixed at about 30 degrees elevation. I have fibreglass tubing for the antennas and the boom

What experience does the group have of the effects on the radiation patterns of the spacing between the antennas?

I could fire up EZNEC and run models to see the effects but as I'm a bit lazy I thought I'd ask first. I could estimate the spacing if I knew the capture areas, but that's related to the beamwidth and I don't have that data. The 2m yagi is about 1 wavelength long (6dBD?) and the 70cm is about 1.5 (10dBD?).

Chris g3wie

2885. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-10-28 21:23:30 UTC
From: Jon
Topic: 2884 Message: 2885

Hi I'm also building a new antenna system and experimenting with spacing etc... I used the info on this website as a guide
http://www.ifwtech.co.uk/g3sek/stacking/stacking2.htm but still suffered some desense untill i mounted the antennas in the X configuration rather than in the + configuration.
Hope this helps. Cheers Jon G7TZZ
--- In eu-amsat@yahoogroups.com, "g3wie" <g3wie@...> wrote:
>
> Hello All,
>
> I'm now starting to cut materials for my antennas. I have to keep them to a modest size as the rotator (TV-style with 38mm pole - about 1.5m of the pole above the bearing) isn't going to handle anything huge, and neither will the neighbours. So I'm planning on crossed 4-ele for 2m and crossed 8-ele for 70cm, mounted as close as sensible on a horizontal boom fixed at about 30 degrees elevation. I have fibreglass tubing for the antennas and the boom
>
> What experience does the group have of the effects on the radiation patterns of the spacing between the antennas?
>
> I could fire up EZNEC and run models to see the effects but as I'm a bit lazy I thought I'd ask first. I could estimate the spacing if I knew the capture areas, but that's related to the beamwidth and I don't have that data. The 2m yagi is about 1 wavelength long (6dBD?) and the 70cm is about 1.5 (10dBD?).
>
> Chris g3wie
>

2886. Re: [amsat-bb] Centerfire Yagi antennas

Yahoo group: eu-amsat
Date: 2009-10-29 03:58:49 UTC
From: Luc Leblanc
Topic: 2886 Message: 2886

On 28 Oct 2009 at 19:51, Michael Tondee wrote:

Date sent: Wed, 28 Oct 2009 19:51:40 -0400
From: Michael Tondee <mat_62@...>
Subject: [amsat-bb] Centerfire Yagi antennas
To: Amsat BB <amsat-bb@...>

> Anyone had any experience with these?
> http://www.centerfireantenna.com/vhf2myagi.html
> They look to be a good buy and I was thinking of maybe getting one for
> LEO use.
> 73,
> Michael, W4HIJ
>
> _____

Just beware of the note "Centerfire Antennas are made in the USA!" but the price is right as the Japanese car price. Is it reliable at 41$
i don't even care but my "new" 2004 chev Impala hit me with many features who where not even expected from my past 1998 Mercury sable.

Why paying for an arrow when we can buy cheap arrows! As they says cut and run with bow and arrow. (Turkey hunting)

P.S. Posted also on EU AMSAT group just in case this one fell into the bit censorship bucket :)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2887. ARES 1-X 10 0n 10 launch

Yahoo group: eu-amsat
Date: 2009-10-29 04:24:47 UTC
From: Luc Leblanc
Topic: 2887 Message: 2887

I just review my DVD recording of the ARES 1-X launch, what a spectacular launch for the tallest rocket in the world. It was amazing to
see how in 3 years this rocket pass from a paper sheet to a 300 foot rocket.

But it could be the first and the last launch for this amazing 450 millions rocket project. It make's me remember the numerous AMSAT-NA
post AO-40 failed project. I now know why and how things evoluate from the 1960 Redstone/Atlas and Mercury project failed launches to this
brilliant ARES 1-X success... a 500 Hockey mark.

The human factor and knowledge! experience came last as it's often just to confirm the process of bad decisions.

Will ARES 1-X survive? It can at least be a wonderful amateur radio satellite launch opportunity but for this it take's will and
leadership! A very hard to find resources when ITAR is so easy to invoke...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2888. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-10-29 08:50:10 UTC
From: g3wie
Topic: 2884 Message: 2888

Hi Jon

I'd seen the g3sek reference and it has a good explanation of capture area etc. I also looked at L E Cebik's site at
http://www.cebik.com/radio.html
where he had run some models for vertically stacking 2m yagis of various sizes at different distances. Looking at the 6 ele example 1.3 wavelengths seems to be good, so I estimate 0.65W to be the edge of the capture area. (Ok it's an ellipse so it would be more for bayed horizontal yagis but for X config I'm guessing it's ok-ish to use that figure). Similarly for 9 ele 1.5W comes out well so that's 0.75W. Using those distances for my 4ele/2m and 8ele/70cm says that I should space the yagis at about 1.8metre centre-centre if I want to position them so they are both outsider each other's capture area, or 1.3metres if I'm prepared to put the 70cm inside the 2m capture area (per g3sek's article.

I wonder what you are using for antennas/spacing?

Interested in the desense; I was proposing to use filters (coax stub on 2m and VE2ZAZ for 70cm) but would be happy to get away with not doing it!

73 Chris g3wie

--- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@...> wrote:
>
> Hi I'm also building a new antenna system and experimenting with spacing etc... I used the info on this website as a guide
> http://www.ifwtech.co.uk/g3sek/stacking/stacking2.htm but still suffered some desense untill i mounted the antennas in the X configuration rather than in the + configuration.
> Hope this helps. Cheers Jon G7TZZ

2889. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-10-29 19:47:25 UTC
From: Jon
Topic: 2884 Message: 2889

Hi Chris, both my antennas are home brew, I have 2x5 elements crossed which is DK7ZB design and 2x12 elements DL6WU design they are spaced 2.4 metres apart.The 70cms antennas are horizontally polarized and vertically stacked at the moment.(I'm having problems building the phasing harness for left and right circular polarization.)
I dont get any desense at this spacing with the 2 metre antenna in the X position, i found this helps quite a bit as i used to suffer quite bad desense when both antennas were horizontal.
Cheers Jon G7TZZ

> I wonder what you are using for antennas/spacing?
>
> Interested in the desense; I was proposing to use filters (coax stub on 2m and VE2ZAZ for 70cm) but would be happy to get away with not doing it!
>
> 73 Chris g3wie

2890. Software for antenna rotators control

Yahoo group: eu-amsat
Date: 2009-10-31 20:29:55 UTC
From: Codrut
Topic: 2890 Message: 2890

I am sure that you will find usefull this program, named "PstRotator".
http://www.qsl.net/yo3dmu/index_Page346.htm
PstRotator handles almost every controllable rotator in common use:
Prosistel "D" and "C", RT-20 and RT-21 Green Heron, DCU-1 HyGain, RC1 MDS, Rotor-EZ Idiom Press, Easy-Rotor-Control, Yaesu Az and Yaesu Az/El GS-232A and GS-232B, M2 RC2800, AlfaSpid RAK Az and RAS Az/El, Easycomm, ST3 Fox Delta, Endeavour Electronics AutoTracker, ZL1BPU, EGIS, Create RAC825 and VK5DJ.
PstRotator can control two diferent rotator controllers: one for Azimuth, and one for Elevation. Or an Az+El controller.
PstRotator provides automatic tracking for satelites and EME, using programs like WXtrack, WinOrbit, Orbitron, Nova for Windows, Sat_Explorer, SatPC32, WSJT, VQLog,TACLog, Z-Track, GJTracker, EME System, Trak_SM.
Also it works with some contest loggers like N1MM and Win-Test.
PstRotator supports multiuser remote control over TCP/IP.
A good positioning precision using 6 or 8 digits for qra locators.
I hope that you will like it!

73, Codrut - YO3DMU

2891. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-01 11:01:07 UTC
From: g3wie
Topic: 2884 Message: 2891

Ok thanks, Jon

Don't think I can manage 2.4m spacing so I'll do some tests with smaller distances (and maybe some models) before I push the whole thing up in the sky. I'll post back with any results worth sharing as there doesn't seem to be much hard info about what works and what doesn't

Chris g3wie

--- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@...> wrote:
>
> Hi Chris, both my antennas are home brew, I have 2x5 elements crossed which is DK7ZB design and 2x12 elements DL6WU design they are spaced 2.4 metres apart.The 70cms antennas are horizontally polarized and vertically stacked at the moment.(I'm having problems building the phasing harness for left and right circular polarization.)
> I dont get any desense at this spacing with the 2 metre antenna in the X position, i found this helps quite a bit as i used to suffer quite bad desense when both antennas were horizontal.
> Cheers Jon G7TZZ

2892. Re: [amsat-bb] AO-51 S band off

Yahoo group: eu-amsat
Date: 2009-11-02 09:10:59 UTC
From: Luc Leblanc
Topic: 2892 Message: 2892

On 1 Nov 2009 at 19:44, Andrew Glasbrenner wrote:

Date sent: Sun, 01 Nov 2009 19:44:38 -0500
From: Andrew Glasbrenner <glasbrenner@...>
Subject: [amsat-bb] AO-51 S band off
To: Amsat-BB <amsat-bb@...>, AO51 Modes <ao51-modes@...>

> The S band transmitter is now off, and 435.150 telemetry is back on. The
> L uplink is not yet back on for the PBBS. I had some temporary equipment
> problems here and instead of risking getting halfway through some steps
> and failing, I am stretching the mode change out over a few passes.
>
> 435.300 is back up to over 500 mw.
>
> The L uplink for the PBBS should be back on tomorrow, and the new
> schedule should be posted by tomorrow night. Sorry for the delay.
>
> 73, Drew KO4MA

As we can read on the AMSAT-NA web site there is an operation group who is supposed "to create the monthly schedule for the satellite. AO-
51" But who is on this command team? Why it take's on paper 5 folks to create a schedule? Is theses same folks cannot also be able to
command the satellite? It will reduced the work load for Drew as he seems to be the only one to cope with the all work load and if he's not
available the world stops until he can resume his work on the satellite.

Here is what it is written on AMSAT-NA web page

"The AO-51 Operations Group is made up of Amsat Members who are also AO-51 users. The Operations Group works with the Command Team to
create the monthly schedule for the satellite. AO-51 Operations Group is KO4MA, N8MH, OZ1MY, VK5HI, WA4SXM, N8BBQ, KD8CAO."

PS. A team is normally made with 2 and more:)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2893. Kenpro rotator

Yahoo group: eu-amsat
Date: 2009-11-02 09:56:30 UTC
From: Jon
Topic: 2893 Message: 2893

Hi all, has anyone changed the pot in a kenpro/yaesu rotator if so is it a part i can get from Maplins CPC etc... or do I have to by the manufactures own part. Thanks Jon G7TZZ

2894. New DOKA downlink found

Yahoo group: eu-amsat
Date: 2009-11-02 10:57:24 UTC
From: Thomas Frey
Topic: 2894 Message: 2894

Hello All

Yesterday I found a new russian satellite with DOKA downlink. It was UGATUSAT with the NORAD number 35869 on 435.490 MHz FM. An orbit later it was not active while the satellite was also not over Moscow. It was not transmitting in CW. Can anyone observe and confirm it ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2895. New satellite.

Yahoo group: eu-amsat
Date: 2009-11-02 12:39:38 UTC
From: John Hackett
Topic: 2895 Message: 2895

Thomas,
Check this ...

SK TLM system from the Bauman Institute. Moscow University.

<http://microsat.sm.bmstu.ru/eng/epmsat_s_BVM.html>

Info thanks to GM1SXX, the intelligent half of "The Twisted Pair".

73 John. <la2qaa@...>

(The handsome half).

2896. Re: [eu-amsat] New satellite.

Yahoo group: eu-amsat
Date: 2009-11-02 13:56:29 UTC
From: Thomas Frey
Topic: 2895 Message: 2896

John Hackett schrieb:
>
>
> Thomas,
> Check this ...
>
> SK TLM system from the Bauman Institute. Moscow University.
>
> <http://microsat.sm.bmstu.ru/eng/epmsat_s_BVM.html>
>
> Info thanks to GM1SXX, the intelligent half of "The Twisted Pair".
>
> 73 John. <la2qaa@...>
>
> (The handsome half).

Hello John

I'm not interested in DOKA itself, but in the russian satellites who transmits DOKA over Europe. They all are intruders in the 435 MHz band and are more dangerous as the CubeSats, which are coordinated to the 437 MHz band. On 435 and 436 MHz we have our AMSAT OSCARs QRV. Its also dangerous to "legalize" this MicroSats, if they have a CW-beacon which transmits "RS22", "RS30" or whatever ID on board.

We have enough problems on 70cm, we DONT need this russian intruder satellites. I hope, the right person reads this mail and can put the first stone.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2897. RE: [eu-amsat] New satellite.

Yahoo group: eu-amsat
Date: 2009-11-02 16:37:06 UTC
From: John Hackett
Topic: 2895 Message: 2897

Hi Thomas,
This is pretty much what GM1SXX and myself have been warning about for several years now ... only to be well and truly 'flamed' for our efforts.

Personally, I was accused of perpetually criticising Amsat and 'NOT' supporting it.

(The Observations column in The Amsat Journal, Oscar News, the recruiting and the President's letter were apparently not supportive of Amsat - (or so I was informed, by one of the current board of directors).

Now, as everyone can see, the 'intruders' have not only gotten themselves 'legalised', they've succeeded in getting half of the Amsat decision makers justifying their cause in the guise of ...

1) Maybe we can get a ride to HEO ... etc ...
2) Education.

Exactly how many of the youth having had a QSO with the ISS will become space engineers do you think?.

A fun thing, yes, useful? (learn geography) no doubt! ... but becoming a space engineer? hrmm ...

I want to make it perfectly clear to anyone reading this mail that the above - *IS MY PERSONAL OPINION* - and should in no way be construed as the opinion of any other radio amateur.

Allowing non-amateur stations to use amateur frequencies started the rot -
(I fear it's far too late now to stop it).

The 2m band used to be exclusive - but on 70cm we're way! down the list of users.

Even the Salmon farm just outside my flat is putting all manner of QRM on 2m now.

The regulatory office responsible for radio interferrence complaints in Norway was disbanded and shut down several years ago. Now it's a free for all.

My transmitter is bigger than yours - (just like AO-51) - and Amsat are proud of the fact that they're going to give us another!.

Membership views? ... who cares what the membership thinks ... we saw the results of Richard Limbeare's referendum several years ago.

73 John. <la2qaa@...> Group founder/moderator.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 2 Nov 2009 14:56:29 +0100
Subject: Re: [eu-amsat] New satellite.

John Hackett schrieb:

>

>

> Thomas,

> Check this ...

>

> SK TLM system from the Bauman Institute. Moscow University.

>

> <http://microsat.sm.bmstu.ru/eng/epmsat_s_BVM.html>

>

> Info thanks to GM1SXX, the intelligent half of "The Twisted Pair".

>

> 73 John. <la2qaa@...>

>

> (The handsome half).

Hello John

I'm not interested in DOKA itself, but in the russian satellites who transmits DOKA over Europe. They all are intruders in the 435 MHz band and are more dangerous as the CubeSats, which are coordinated to the 437 MHz band. On 435 and 436 MHz we have our AMSAT OSCARs QRV. Its also dangerous to "legalize" this MicroSats, if they have a CW-beacon which transmits "RS22", "RS30" or whatever ID on board.

We have enough problems on 70cm, we DONT need this russian intruder satellites. I hope, the right person reads this mail and can put the first stone.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2898. Re: New satellite.

Yahoo group: eu-amsat
Date: 2009-11-02 20:41:17 UTC
From: allan_gm1sxx
Topic: 2895 Message: 2898

Hi group.

Thomas said...
> I'm not interested in DOKA itself, but in the russian satellites who
> transmits DOKA over Europe. They all are intruders in the 435 MHz
> band and are more dangerous as the CubeSats, which are coordinated
> to the 437 MHz band. On 435 and 436 MHz we have our AMSAT OSCARs >QRV.
> Its also dangerous to "legalize" this MicroSats, if they have a CW-
> beacon which transmits "RS22", "RS30" or whatever ID on board.
>
> We have enough problems on 70cm, we DONT need this russian intruder
> satellites. I hope, the right person reads this mail and can put the
> first stone.

Why would anyone suddenly wake up and notice 'intruders' now? It doesn't make any sense to me. We have had 'intruders' for a very long time, yet nothing much has been said in the past, except by a very few people who actually care about the issue.

I can't see why anyone would be so concerned about one or two birds transmitting DOKA information yet *not* complain about University 'me too' downlink only CUBESATs that also carry absolutely nothing of interest to most radio amateurs looking for transponder based birds.
And yes, I did read the part about frequencies.

The rot started a long time ago and the distinctions between amateur and commercial birds seem to have continued to become ever more blurred, and some agencies obviously just ignore the IARU, and the planning process.

John Hackett LA2QAA and I have been complaining about 'intruders' for years, but long before that, John Branegan GM3IHJ also wrote about intruders in his excellent SATGEN bulletins. SATGENs can be found at..
http://www.observations.biz/Satgen/index.htm
I can particularly recommend reading number 268.
In the past, Pat Gowen G3IOR regularly reported on satellite intruders.

'Intruders' go back a very long way. SATGEN mentions them in Bulletins no. 4,5,7,8,9,11.17,19,20,21,22,24 &34 They are absolutely nothing new.

AMSAT are not the only players in the 'amateur satellite' game, and have not been since the days of the Radio-Sport birds. In fact AMSAT are fast becoming the outsiders in the 'amateur' satellite game, thanks to all the university driven non-AMSAT birds that will no doubt have 'AMSAT OSCAR whatever' token names bestowed on them after launch despite the lack of any connection, or practical use to the organisation's members. We will soon be in the situation where most of the 'AMSAT OSCARS' have nothing whatsoever to do with AMSAT except for an 'honorary name'.

This genie escaped from the bottle a *long* time ago. It's way too late now to apply a fix to this particular problem. This email represents my personal long-standing view, which of course anyone with an interest is free to agree or disagree with as they see fit.

73 Al.
GM1SXX

2899. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-02 22:21:16 UTC
From: g3wie
Topic: 2884 Message: 2899

I've just uploaded a powerpoint file with the results of my simulations of a side-by-side 2m and 70cm yagi, where I vary the spacing from 2 metres down to 0.725m where the reflectors are nearly touching, and plot the radiation pattern for the 70cm antenna. From a quick glance it looks a bit too good to be true (these *are* simulations), as the radiation pattern only starts to show noticeable distortion when the spacing is down to about 0.8m. The SWR shows no significant change, though you can see the impedance change (it passes through j0 at some point).

The yagis are both to the WA5VJB design; 4 ele for 2m and 11 ele for 70cm. There's no boom in the model as I'm using fibreglass (and still thinking about how to run the feeder away). I've not simulated X-yagis as it's pretty tedious entering the data and it seemed that antennas in the same plane would show the worst interaction. Likelise I have't (yet) looked at the effect of the 70cm yagi on the 2m one.

I've just remembered these are free-space patterns, so I'd better do it again ;-(with some ground somwhere as I plan to test these simulations in real life on a short pole in the garden or the local park.

Chris g3wie

2900. RE: [amsat-bb] Re: AO-51 S band off

Yahoo group: eu-amsat
Date: 2009-11-03 01:38:07 UTC
From: Luc Leblanc
Topic: 2900 Message: 2900

On 3 Nov 2009 at 11:44, Colin Hurst wrote:

Date sent: Tue, 03 Nov 2009 11:44:36 +1030
From: Colin Hurst <cjhurst@...>
Subject: RE: [amsat-bb] Re: AO-51 S band off
To: Luc Leblanc <lucleblanc6@...>, amsat-bb@...
Copies to: eu-amsat@yahoogroups.com

> Luc,
> I am not too sure what you are attempting to imply in your post.

Nothing else than asking why all the commanding is made only by one guy and as you wrote "What you overlooked is that the Operations Group
and the Command Stations are all dedicated volunteers, and most work for a living". Having "command station on more than continent will be
a way to split the work.

I'm happy to know "In respect to command stations there are currently two, plus and one in training" and my fear is what will happen if Drew pass away suddenly? Did the team can pick up the task?

Bottom line i'm asking questions as Drew is the only one i saw posting commenting on AO-51 commanding operation and i was unable to get
anything on AMSAT-NA web site regarding the "command team".

Don't see potential issues where there is none! Just relax i'm only asking questions period.

Thank's Colin for your explanations.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2901. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-03 12:32:16 UTC
From: n4zq
Topic: 2884 Message: 2901

Interesting data Chris, but where might I find the uploaded Powerepoint file ? Keith

--- In eu-amsat@yahoogroups.com, "g3wie" <g3wie@...> wrote:
>
> I've just uploaded a powerpoint file with the results of my simulations of a side-by-side 2m and 70cm yagi, where I vary the spacing from 2 metres down to 0.725m where the reflectors are nearly touching, and plot the radiation pattern for the 70cm antenna. From a quick glance it looks a bit too good to be true (these *are* simulations), as the radiation pattern only starts to show noticeable distortion when the spacing is down to about 0.8m. The SWR shows no significant change, though you can see the impedance change (it passes through j0 at some point).
>

2902. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-03 12:53:37 UTC
From: g3wie
Topic: 2884 Message: 2902

I put it in the Files section for this group, in the folder g3wie. It was there when I looked just now.

Thinking about why it looked so "good", it occurs to me that this side-to-side arrangement is not what I'll be using for a pair of X-yagis where the elements of the two antennas will be more parallel. I will model this situation and see what the difference might be.

Chris g3wie

--- In eu-amsat@yahoogroups.com, "n4zq" <n4zq@...> wrote:
>
> Interesting data Chris, but where might I find the uploaded Powerepoint file ? Keith
>

2903. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-04 10:03:36 UTC
From: dl5rdi
Topic: 2884 Message: 2903

Hello,

I think the desense is no issue at all. You just have to use bandpassfilters (or just a diplexer or triplexer).

I use ONE antenne for 2m,70cm and 23cm (24 element Log-periodic) and I have a triplexer in line. Thus I can work FO29 (2m uplink 70cm downlink) and even in this "worst-case-scenario" I have no desense.

Concerning the distance between two antennas and the influence an SWR and radiation my personel practical experience is that 1m is enough for 2m and 70cm antennea (even if the literature - which descibes theory says much more)

73 and meet you on the sats

John, DL5RDI

--- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@...> wrote:
>
> Hi Chris, both my antennas are home brew, I have 2x5 elements crossed which is DK7ZB design and 2x12 elements DL6WU design they are spaced 2.4 metres apart.The 70cms antennas are horizontally polarized and vertically stacked at the moment.(I'm having problems building the phasing harness for left and right circular polarization.)
> I dont get any desense at this spacing with the 2 metre antenna in the X position, i found this helps quite a bit as i used to suffer quite bad desense when both antennas were horizontal.
> Cheers Jon G7TZZ
>
> > I wonder what you are using for antennas/spacing?
> >
> > Interested in the desense; I was proposing to use filters (coax stub on 2m and VE2ZAZ for 70cm) but would be happy to get away with not doing it!
> >
> > 73 Chris g3wie
>

2904. Wecome.

Yahoo group: eu-amsat
Date: 2009-11-04 20:27:21 UTC
From: John Hackett
Topic: 2904 Message: 2904

On behalf of the EU-Amsat group I'd like to extend a hearty welcome to DK3WN Mike.

Any satellite afficiondo 'NOT' familiar with that! particular callsign ought to be strapped to the outside of a Soyuz and shot into orbit.

Hint:

Telemetry software decoders.

Check his website!.

Welcome Mike.

I hope you find something of interest among the files.

73 John. <la2qaa@amsat.org>

EU-Amsat founder/moderator

2905. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-05 21:32:21 UTC
From: g3wie
Topic: 2884 Message: 2905

I've now modelled the same two yagis (11 ele 70cm and 4 ele 2m) but this time slanted at 45 degrees so they should look more like half of a pair of crossed yagis.

Again, they don't show much interaction until you get below 1 metre, which seems to confirm what you say John :-). I've got the bits for a pair of VE2ZAZ filters for 2 and 70, and as I have to build the 70cm preamp and put everything in a waterproof box, it's little extra trouble to add the filters. Interesting that you can run through a triplexer. I got one of these for 6 or 4/2/70 but found the loss on 70cm was over 1dB not the promised 0.25.

[I also uploaded a second version of the first models as I had left the SWR out of the 0m8 spacing model]

I will stop playing with the models now and go and put something together. They will go on a tripod in the garden to start with so I will have limited view of the sky. I have been listening to VO-52 on my 6/2/70 collinear and I'm surprised at the strength of the signals, AO-7 is more of a challenge.

Chris g3wie

--- In eu-amsat@yahoogroups.com, "dl5rdi" <dl5rdi@...> wrote:
>
> Hello,
>
> I think the desense is no issue at all. You just have to use bandpassfilters (or just a diplexer or triplexer).
>
> I use ONE antenne for 2m,70cm and 23cm (24 element Log-periodic) and I have a triplexer in line. Thus I can work FO29 (2m uplink 70cm downlink) and even in this "worst-case-scenario" I have no desense.
>
> Concerning the distance between two antennas and the influence an SWR and radiation my personel practical experience is that 1m is enough for 2m and 70cm antennea (even if the literature - which descibes theory says much more)
>
> 73 and meet you on the sats
>
> John, DL5RDI
>
> --- In eu-amsat@yahoogroups.com, "Jon" <jon.eyre@> wrote:
> >
> > Hi Chris, both my antennas are home brew, I have 2x5 elements crossed which is DK7ZB design and 2x12 elements DL6WU design they are spaced 2.4 metres apart.The 70cms antennas are horizontally polarized and vertically stacked at the moment.(I'm having problems building the phasing harness for left and right circular polarization.)
> > I dont get any desense at this spacing with the 2 metre antenna in the X position, i found this helps quite a bit as i used to suffer quite bad desense when both antennas were

horizontal.
> > Cheers Jon G7TZZ
> >
> > > I wonder what you are using for antennas/spacing?
> > >
> > > Interested in the desense; I was proposing to use filters (coax stub on 2m and VE2ZAZ for 70cm) but would be happy to get away with not doing it!
> > >
> > > 73 Chris g3wie
> >
>

2906. Re: Wecome.

Yahoo group: eu-amsat
Date: 2009-11-05 23:46:36 UTC
From: st2nh
Topic: 2904 Message: 2906

Hi All GE

A big Welcome to EU-Amsat my friend Mike DK3WN

Mike's webpage and blog (IMHO)are the only complete and up-to-date web sites.

http://www.dk3wn.info/

http://www.dk3wn.info/p/

I keep visiting his blog site http://www.dk3wn.info/p/
several time every day for info and for daily fresh
telemetry data for (ALL) CUBESAT ,OSCAR,NOAA and many other satellites.

Thanks Mike for all Telemetry software decoders.

I like Mike's photo site too, pse see it at

http://www.mike-rupprecht.de/foto/index.html

Ask Mike any question and you wll get a pileup of email from him
for help.

tnx and welcome Mike

73 Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> On behalf of the EU-Amsat group I'd like to extend a hearty welcome to DK3WN Mike.
>
> Any satellite affi ciondo 'NOT' familiar with that! particular callsign ought to be
strapped
> to the outside of a Soyuz and shot into orbit.
>
> Hint:
>
> Telemetry software decoders.
>
> Check his website!.
>
> Welcome Mike.
>
> I hope you find something of interest among the files.
>
> 73 John. <la2qaa@...>
>

> EU-Amsat founder/moderator
>

2907. AN (interesting) OBSERVATION.

Yahoo group: eu-amsat
Date: 2009-11-06 10:11:50 UTC
From: John Hackett
Topic: 2907 Message: 2907

Group,
I feel the following mail from the Sumbandila Yahoo group deserves a spot on the EU-Amsat reflector.

73 John. <la2qaa@...>
.....

From VK5ALX.

t:

In an earlier post I referred to an observation made during the late night pass over Australia during which interference was experienced from non amateur 2 metre operation eminating from somewhere in lower South East Asia. This interference also occurs when satellites AO-51 and SO-50 (both using a 2 metre uplink) are over the top end of Australia.

I mentioned that the interference was observed while no amateur stations were transmitting (I was the only one active at that late hour) so they were breaking through without the requisite 233.6 Hz tone. It occurred to me that perhaps because of the high CTCSS frequency used there were components in the uplink audio that opened the squelch of the satellite’s receiver.

Today I did some very rough tests with 2 transceivers, an IC910H and a FT897D both setup for CTCSS tone squelch operation using 233.6 Hz tones.
With the FT897D in receive mode I switched off the tone on the IC910H and went through a set of voice exercises, reminiscent of my attempts at amateur theatre. The FT897D’s squelch opened several times. I then read a piece from a magazine and varied my vocal pitch from soprano to, well you know, the other end. Again the squelch opened randomly, mainly when using lower voice registers. Microphone gain was set at a generous level.
I switched the radios, this time using the FT897D as the transmitter. This time I was able to pulse the IC910's squelch showing that neither radio was more prone to this than the other.

Now here’s the interesting part. With both radios set to use tone squelch I spoke into the IC910 in varying voice pitches as before and managed to trip out the squelch in the other radio. I swapped radios and the same effect was observed, much like the dropouts on SO-67. The sensitivity to dropout depended on the voice level and in my case signals only dropped out for a second or so. But, I thought, what if there was some sort of latch in the receiver which required the

carrier to be removed before resetting?
I changed the CTCSS tone to 91.5 Hz and could not produce any abnormal effect.
Whether the above tests and the SO-67 dropouts have anything in common is for the experts to determine.
I’m probably barking up the wrong tree but nonetheless felt my unscientific experiments were worth sharing.

73s
Alex / VK5ALX

2908. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-06 10:31:22 UTC
From: Jon
Topic: 2884 Message: 2908

Hi Chris, your computer modelled results are very interesting.
I've never needed filters or preamps. I find if you choose a good antenna design (and not some of the rubbish you get in the magazines these days), you get the spacings right and route the feeders correctly you'll find there's no need for all the extras, they just add losses and noise.
I'll be interesred in your working results.
Thanks Jon G7TZZ

--- In eu-amsat@yahoogroups.com, "g3wie" <g3wie@...> wrote:
>
> I've now modelled the same two yagis (11 ele 70cm and 4 ele 2m) but this time slanted at 45 degrees so they should look more like half of a pair of crossed yagis.
>
> Again, they don't show much interaction until you get below 1 metre, which seems to confirm what you say John :-). I've got the bits for a pair of VE2ZAZ filters for 2 and 70, and as I have to build the 70cm preamp and put everything in a waterproof box, it's little extra trouble to add the filters. Interesting that you can run through a triplexer. I got one of these for 6 or 4/2/70 but found the loss on 70cm was over 1dB not the promised 0.25.
>

2909. Re: [eu-amsat] AN (interesting) OBSERVATION.

Yahoo group: eu-amsat
Date: 2009-11-06 11:41:41 UTC
From: Thomas Frey
Topic: 2907 Message: 2909

Hello John and group

CTCSS is an analogue squelch, so its possible, if a particular tone falls into the chosen CTCSS tone, that the squelch opens. The same observed I alao on SO-50. The chosen 233.6 Hz subtone for SO-67 is too high I think. With 233.6 Hz the possibility is higher for opening the squelch than with 67 Hz randomly.

John Hackett schrieb:
>
>
> Group,
> I feel the following mail from the Sumbandila Yahoo group
> deserves a spot on the
> EU-Amsat reflector.
>
> 73 John. <la2qaa@...>
> .....
.....
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>
>
> From VK5ALX.
>
> <javascript:;>
> t:
>
>
>
> In an earlier post I referred to an observation made during the late
> night pass over Australia during which interference was experienced
> from non amateur 2 metre operation eminating from somewhere in lower
> South East Asia. This interference also occurs when satellites AO-51
> and SO-50 (both using a 2 metre uplink) are over the top end of
> Australia.
>
> I mentioned that the interference was observed while no amateur
> stations were transmitting (I was the only one active at that late
> hour) so they were breaking through without the requisite 233.6 Hz
> tone. It occurred to me that perhaps because of the high CTCSS
> frequency used there were components in the uplink audio that opened
> the squelch of the satellite?s receiver.
>
> Today I did some very rough tests with 2 transceivers, an IC910H and a
> FT897D both setup for CTCSS tone squelch operation using 233.6 Hz

> tones.
> With the FT897D in receive mode I switched off the tone on the IC910H
> and went through a set of voice exercises, reminiscent of my attempts
> at amateur theatre. The FT897D?s squelch opened several times. I then
> read a piece from a magazine and varied my vocal pitch from soprano
> to, well you know, the other end. Again the squelch opened randomly,
> mainly when using lower voice registers. Microphone gain was set at a
> generous level.
> I switched the radios, this time using the FT897D as the transmitter.
> This time I was able to pulse the IC910's squelch showing that neither
> radio was more prone to this than the other.
>
> Now here?s the interesting part. With both radios set to use tone
> squelch I spoke into the IC910 in varying voice pitches as before and
> managed to trip out the squelch in the other radio. I swapped radios
> and the same effect was observed, much like the dropouts on SO-67. The
> sensitivity to dropout depended on the voice level and in my case
> signals only dropped out for a second or so. But, I thought, what if
> there was some sort of latch in the receiver which required the
> carrier to be removed before resetting?
> I changed the CTCSS tone to 91.5 Hz and could not produce any abnormal
> effect.
> Whether the above tests and the SO-67 dropouts have anything in common
> is for the experts to determine.
> I?m probably barking up the wrong tree but nonetheless felt my
> unscientific experiments were worth sharing.
>
> 73s
> Alex / VK5ALX
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2910. Re: Separation of 2/70 yagis on the same boom

Yahoo group: eu-amsat
Date: 2009-11-07 20:44:10 UTC
From: g3wie
Topic: 2884 Message: 2910

Routing feeders is another (unanswered) question. I've not yet decided whether to try and approximately balance the antennas on the boom and run the risk that the 2m reflector will hit something in my rooftop arrangement, or whether to put the whole antenna in front of the boom and counterbalance it. I think this will depend in the total weight that results. I found a paper by WA5VJB who measured the effect of a metal mast at different positions along the boom. As you might expect, the effect is worst when the mast is in the same plane as the elements of the antenna. There are some dead spots where the effect is minimal at odd multiples of quarter wavelength (lambda/4, 3*lambda/4 etc) from the driven element - these may be useful if trying to balance the antenna for weight. Although I don't have a metal mast, I do have to feed the antennas somehow, and I suspect the feeder could well upset the radiation pattern in the same way as a mast.

The fun and games continue.

Chris g3wie

> Hi Chris, your computer modelled results are very interesting.
> I've never needed filters or preamps. I find if you choose a good antenna design (and not some of the rubbish you get in the magazines these days), you get the spacings right and route the feeders correctly you'll find there's no need for all the extras, they just add losses and noise.
> I'll be interesred in your working results.
> Thanks Jon G7TZZ
>
>
>

2911. uc734b?

Yahoo group: eu-amsat
Date: 2009-11-07 23:06:35 UTC
From: st2nh
Topic: 2911 Message: 2911

Hi all
I'm looking for any info about an old component (uc734b)
it looks like a transistor with 4 leads.
Googling the net was -ve
thanks in advance
73's
Nader

2912. Re: [eu-amsat] uc734b?

Yahoo group: eu-amsat
Date: 2009-11-07 23:52:58 UTC
From: Thomas Frey
Topic: 2911 Message: 2912

st2nh schrieb:
> Hi all
> I'm looking for any info about an old component (uc734b)
> it looks like a transistor with 4 leads.
> Googling the net was -ve
> thanks in advance
> 73's
> Nader
>
>
>
>

Hello Nader

Google for "transistor BC734". I googled it, but I'm pessimistic to
find any infos or datasheets. Good luck.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2913. UC734B

Yahoo group: eu-amsat
Date: 2009-11-08 08:56:43 UTC
From: John Hackett
Topic: 2911 Message: 2913

Nader,
The UC734B is an old fashioned silicone MosFET transistor that was part of the front end of commercial radio and test equipment.

Often used as an RF amp in a Wadley-Loop configuration in for instance the Eddystone 958

The more modern equivalent is the 3N128 though that too is now becoming a little 'long in the tooth' - (old).

You can download a datasheet for the 3N128 and have the same information since it was a direct replacement for the UC734B.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 7 Nov 2009 23:06:35 +0000
Subject: [eu-amsat] uc734b?

Hi all

I'm looking for any info about an old component (uc734b)

it looks like a transistor with 4 leads.

Googling the net was -ve

thanks in advance

73's

Nader

2914. Re: UC734B

Yahoo group: eu-amsat
Date: 2009-11-08 12:47:29 UTC
From: st2nh
Topic: 2911 Message: 2914

Hi all
Gentelmen Thomas Frey & John Hackett thank you very much for help & for kind relpies.

I'm planing to build a VHF pre-amp ,so i will put some DC to see
how much dB it can give!

tnx again

73 Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Nader,
> The UC734B is an old fashioned silicone MosFET transistor that was part of the front end
of commercial radio and test equipment.
>
> Often used as an RF amp in a Wadley-Loop configuration in for instance the Eddystone 958
>
> The more modern equivalent is the 3N128 though that too is now becoming a little
> 'long in the tooth' - (old).
>
> You can download a datasheet for the 3N128 and have the same information since
> it was a direct replacement for the UC734B.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Sat, 7 Nov 2009 23:06:35 +0000
> Subject: [eu-amsat] uc734b?
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> Hi all
>
> I'm looking for any info about an old component (uc734b)
>
> it looks like a transistor with 4 leads.
>
> Googling the net was -ve
>
> thanks in advance
>
> 73's
>
> Nader
>

2915. Re: [eu-amsat] Re: UC734B

Yahoo group: eu-amsat
Date: 2009-11-08 15:00:59 UTC
From: Thomas Frey
Topic: 2911 Message: 2915

Here it is:

http://www.datasheetarchive.com/UC734-datasheet.html

st2nh schrieb:
> Hi all
> Gentelmen Thomas Frey & John Hackett thank you very much for help & for kind relpies.
>
> I'm planing to build a VHF pre-amp ,so i will put some DC to see
> how much dB it can give!
>
> tnx again
>
> 73 Nader
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>> Nader,
>> The UC734B is an old fashioned silicone MosFET transistor that was part of the front end
of commercial radio and test equipment.
>>
>> Often used as an RF amp in a Wadley-Loop configuration in for instance the Eddystone 958
>>
>> The more modern equivalent is the 3N128 though that too is now becoming a little
>> 'long in the tooth' - (old).
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>> You can download a datasheet for the 3N128 and have the same information since
>> it was a direct replacement for the UC734B.
>>
>> 73 John. <la2qaa@...>
>>
>> To: eu-amsat@yahoogroups.com
>> From: st2nh@...
>> Date: Sat, 7 Nov 2009 23:06:35 +0000
>> Subject: [eu-amsat] uc734b?
>>
>>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2916. Sumbandila

Yahoo group: eu-amsat
Date: 2009-11-08 16:53:50 UTC
From: yo9gjx
Topic: 2916 Message: 2916

Possible are missing information for EU friends. When you call on SO67 transporder is very important to use narrow band NBFM ortherwise the signal is distorsioned and spreating bloking the transporder.
Hope to meet you there
73

2917. Total chaos.

Yahoo group: eu-amsat
Date: 2009-11-09 13:49:13 UTC
From: John Hackett
Topic: 2917 Message: 2917

Group,
I've taken the liberty of copying Dom's post from the Amsat-bb.

This particular post is aimed at the FM/Cubesat afficiondo.

A listen to the referenced audio file may remind some operators of my previous posts regarding operating proceedure - and the (lack of) standards thereof ...

Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the AO-51 operating. If he could have heard the European AO-67 sortie he must surely have been doing cartwheels in his grave.

The audio file speaks for itself.

Like Dom says ... NOT ONE SINGLE QSO WAS MADE.

73 John. <la2qaa@amsat.org>

> From: domenico.i8cvs@...
> To: amsat-bb@...; jan.koekemoer@...
> Date: Mon, 9 Nov 2009 01:50:08 +0100
> CC: i2ef@...; hgworldsoft@...; m.niccolini@...; cesarealexcaprara@...; iz8jhd@...; ik4gmh@...; raffaele.porcella@fastwebnet.it; ugopicciolo@...; teodorol@...; is0aee@...; paolopasse@...; atamarozzi@...; brugneraivo@...; f.grappi@vodafone.it; fernandodibartolomeo@...; iz4gac@...; maubos@...; ikcsg@...; stefano.castriotta@...; claudio@...; c.altamore@...; marcvin@...; iw9hby@...; fulvioon@...; dimontevincenzo@...; u.picchi@...; robetti@...; lacivitam@aliceposta.it; iw5ecj@...; rinaldocaw@...
> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
>
> ----- Original Message -----
> From: "Jan-Albert Koekemoer" <jan.koekemoer@...>
> To: <amsat-bb@amsat.org>
> Sent: Sunday, November 08, 2009 8:02 PM
> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
>
> > I've tried to decipher the callsigns from the two recordings of the 8 Nov
> > USA passes that Johan Papay posted, and subsequently mapped the callsigns
> > on a Google Map. You can view this at
>
> http://sumbandilamission.blogspot.com.
>
> > I apologise in advance if I omitted someone from the map or incorrectly
> > identified others. You are most welcome to correct my mistakes!
> >
> > Regards
> > Jan-Albert
> > ZR1JAK

> >
> > E-mail Disclaimer
> > http://www.sunspace.co.za/emaildisclaimer.htm
>
>
> Hi Jan-Albert, ZR1JAK
>
> Look please in the following web page at the "caos" over Europe during the
> SO-67 orbit of sun 8 2009 07:59 UTC
>
> http://www.hamradio.selfip.com/i6ibe/sumbandilasat/sumbandilasat1.mp3
>
> No one QSO was made !
>
> What do you think about to waste 5 watt into a single channel FM instead to
> spread it into a 150 KHz bandwidth of a linear transponder ?
>
> 73" de
>
> i8CVS Domenico
>
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

Windows Live: Keep your friends up to date with what you do online.

2918. Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-09 14:54:09 UTC
From: allan_gm1sxx
Topic: 2917 Message: 2918

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> Group,
> I've taken the liberty of copying Dom's post from the Amsat-bb.
> This particular post is aimed at the FM/Cubesat afficiondo.
> A listen to the referenced audio file may remind some operators of my previous posts regarding operating proceedure - and the (lack of) standards thereof ...
> Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the AO-51 operating. If he could have heard the European AO-67 sortie he must surely have been doing cartwheels in his grave.
> The audio file speaks for itself.

You can find the audio recording in the files section of this reflector under Sumbandila. It can be played with Windows Media Player.

Enjoy.

Al.
GM1SXX

2919. Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-09 19:24:56 UTC
From: Jon
Topic: 2917 Message: 2919

This is why I don't use these horrible (FM) satellites, what a noise.
And FM sats are suppose to be easy sats, there's nothing easy about that.
73's de Jon G7TZZ

> > This particular post is aimed at the FM/Cubesat afficiondo.
> > A listen to the referenced audio file may remind some operators of my previous posts regarding operating proceedure - and the (lack of) standards thereof ...
> > Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the AO-51 operating. If he could have heard the European AO-67 sortie he must surely have been doing cartwheels in his grave.
> > The audio file speaks for itself.
>
> You can find the audio recording in the files section of this reflector under Sumbandila. It can be played with Windows Media Player.
>
> Enjoy.
>
> Al.
> GM1SXX
>

2920. Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-09 19:30:50 UTC
From: st2nh
Topic: 2917 Message: 2920

----------AOS----------

OOOOOOLAAAAAAAAAA OLLLLLLLLLLLLLLAAAA
ONE TWO , ONE TWO
OOOOOOOOOOOLLLLLLAAAAAAAAAAAA
PTT DOWN (silent)
OOOOLAAAAAAAAAAAAA
QRZ
QRZ
CQ
HELLO HELLO
HELLO
PTT DOWN (ALAGITAOR WITH 100000 WATTS)
ONE TWO
OOOLAAA
CQ SATELLITE
PTT
STAND BY
QRZ

---------- LOS----------

I think we need idea or silly ideas like mine:-

A POLISEMAN!
TRAFIC LIGTH!
A list by internet!!!QUEUE OVER NET!!!!!!!!
A net controller(sat controller)!!!!
A chat room!
Working by latitude and longitude!
Working by gride number!
NOT TO WORK!!
NOT TO LISTEN!
Go to park with your XYL !
Shoping
Sleep
PUT more QRM just push ur radio PTT.

Q CODE GOT A NEED ONE , (OLA)= INTENDED TO MAKE QRM

:-) THANK FOR POSTING THE QRM AUDIO FILE AL

73'Nader

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
>
>

>
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:
> > Group,
> > I've taken the liberty of copying Dom's post from the Amsat-bb.
> > This particular post is aimed at the FM/Cubesat afficiondo.
> > A listen to the referenced audio file may remind some operators of my previous posts regarding operating proceedure - and the (lack of) standards thereof ...
> > Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the AO-51 operating. If he could have heard the European AO-67 sortie he must surely have been doing cartwheels in his grave.
> > The audio file speaks for itself.
>
> You can find the audio recording in the files section of this reflector under Sumbandila. It can be played with Windows Media Player.
>
> Enjoy.
>
> Al.
> GM1SXX
>

2921. Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-09 19:51:57 UTC
From: allan_gm1sxx
Topic: 2917 Message: 2921

Hi group,

At times like this, I *really* wish I had kept my ancient reel-to-reel (remember those!) tape recordings from the RS birds so I could post them here.

73 Al.
GM1SXX

2922. Glad I did.

Yahoo group: eu-amsat
Date: 2009-11-09 22:32:07 UTC
From: John Hackett
Topic: 2922 Message: 2922

Hi Nader,
Well done!. I liked your post, it illustrated the QRM problem very well indeed.

I was in two minds whether to post my original message to the reflector but now
I'm glad I did.

The serious operators, would-be operators - (and I hope !!! potential newcomers) -
are now beginning to understood the problem with FM satellites.

It's a great pity that Amsat (!) havn't ... but to be fair, I've listened to the operating proceedure in other parts of the world and it's of a far !!! higher standard both east and west of Europe.

I still maintain - (though certain members of Amsat-UK don't agree) - that the standard of operating dropped dramaticallywith the introduction of the *tick box* system of amateur radio examinations, where you can just play the guessing game and get a full license.

It''s extreemly rare to hear trained operators causing QRM. As anyone can hear from Dominico's audio file, it's now become a regular 'free-for-all'.

Your mail illustrates this in an brilliant and humouristic way.

Excellent Nader.

73 John. <la2qaa@...>

2923. Re: [eu-amsat] Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-09 23:50:01 UTC
From: Thomas Frey
Topic: 2917 Message: 2923

Hello group

What is old mans dearest toy ? No, not his car, his FM walkie talkie ;-)

Good Night HAM Radio and 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2924. Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-10 09:11:10 UTC
From: allan_gm1sxx
Topic: 2917 Message: 2924

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello group
>
> What is old mans dearest toy ? No, not his car, his FM walkie talkie ;-)
>
Hi group,

This OM's dearest possession, next to my missus of course! (I'm obliged to say that) ... is really my piece of paper from OFCOM that says "Full License" on it. That and the nice embossed City & Guilds certificate I got from the College of Nautical Studies in Glasgow, where I sat the exam in 1985.

FM is super for rag-chews and is *very* useful to me when out and about, especially on the hills around my home. Many of the locals around here are involved in SOTA and have a great time at weekends with their portable FM handies while getting a nice sun-tan.. or frostbite, as the case may be.
Carrying an FM radio almost certainly saved my life on one occasion, for which I'm *hugely* grateful .... and, as you might imagine, I have always carried one since. I would *never* knock FM as such, but it's useless IMO for satcomms. FM is the *least efficient* modulation scheme one could choose for satellite access. Lots of people, myself included do own handies, but that in itself is not a good reason to put FM in space. Of course, some better operating technique by satellite users could help here, but only help a little. There are too many users in contention for a single downlink, so any QSO is of the 'rubber stanp' type.

Using CW, SSB instead and encouraging better operating procedure solves almost all of the 'access' problems, except of course for problems caused by 'alligators' and 'swishers'. Still, I do greatly like FM. My handie is great! It offers near Hi-Fi audio quality.. on the ground. In the sky... chaos. Like a certain brand of plastic card... I rarely leave home without it, so I'm most certainly not knocking FM. I do agree 100% that my handie is very useful indeed ... on the ground, where it does a great job of work. My dual band handy is *easily* my most used radio, but being generally useful, or very common and 'available', does not elevate FM to being an appropriate mode for satellite communications. That was a 'political' not practical, experiment. IMHO it was a massive flop! You wouldn't enter a donkey in a top horse race, would you?
Perhaps some people thrive on chaos :-), but yes, I agree, my dual band handie is one of this OM's favourite toys.

As to other toys...I don't own or want a car. My bicycle and my feet can take me to most places I want to go. For other journeys, there's the train and the occasional aeroplane. I'm quite 'chuffed' with my new bicycle though.

Have a good day.

Vy 73 Al.
GM1SXX

2925. Re: [eu-amsat] Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-10 12:02:18 UTC
From: Thomas Frey
Topic: 2917 Message: 2925

allan_gm1sxx schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
>> Hello group
>>
>> What is old mans dearest toy ? No, not his car, his FM walkie talkie ;-)
>>
>>
> Hi group,
>
> This OM's dearest possession, next to my missus of course! (I'm obliged to say that) ... is really my piece of paper from OFCOM that says "Full License" on it. That and the nice embossed City & Guilds certificate I got from the College of Nautical Studies in Glasgow, where I sat the exam in 1985.
>
> FM is super for rag-chews and is *very* useful to me when out and about, especially on the hills around my home. Many of the locals around here are involved in SOTA and have a great time at weekends with their portable FM handies while getting a nice sun-tan.. or frostbite, as the case may be.
> Carrying an FM radio almost certainly saved my life on one occasion, for which I'm *hugely* grateful .... and, as you might imagine, I have always carried one since. I would *never* knock FM as such, but it's useless IMO for satcomms. FM is the *least efficient* modulation scheme one could choose for satellite access. Lots of people, myself included do own handies, but that in itself is not a good reason to put FM in space. Of course, some better operating technique by satellite users could help here, but only help a little. There are too many users in contention for a single downlink, so any QSO is of the 'rubber stanp' type.
>
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> Perhaps some people thrive on chaos :-), but yes, I agree, my dual band handie is one of this OM's favourite toys.
>
> As to other toys...I don't own or want a car. My bicycle and my feet can take me to most places I want to go. For other journeys, there's the train and the occasional aeroplane. I'm quite 'chuffed' with my new bicycle though.
>

> Have a good day.
>
> Vy 73 Al.
> GM1SXX
>
>
Hello Al

It was meant sarcastic, in the matter, every man or boy needs his
toy. :-)

As I heard this chaos, only sarcasm can be the answer. I'm also QRV
during the weekends over the "Ooohla boxes", its always an amusement. ;-)

Have also a good day, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2926. RE: [eu-amsat] Re: Total chaos. Audio File

Yahoo group: eu-amsat
Date: 2009-11-10 12:31:26 UTC
From: John Hackett
Topic: 2917 Message: 2926

Thomas,
I can assure you that GM1SXX was well aware that the 'toy' comments were satirical - (satire - tongue-in-cheek criticism) - but he was making the valid point that ... while FM is a disaster for satellite use it *IS* useful for terrestial communications.

Something I think everybody would agree with.

He uploaded Domenico's audio file as an example of how *NOT* to do it. He made the comment on the RS-10 files so people could compare the two ... and see the difference in operating proceedure between a linear RS-10 and an FM Ao-67.

I repeat what Dom wrote on the Amsat-bb ... despite (because of?) all that QRM on that European AO-67 pass, not one single QSO was made.

The interesting fact (to me) was that Dom was this morning criticised by Andrew Glasbrenner, vice president of operations of Amsat (!) for his views.

That says more to me about Amsat, than Domenico.

Any organisation that cannot accept constructive criticism from it's members doesn't deserve! to have members ... just party yes-men.

As usual. These views are entirely my own.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 10 Nov 2009 13:02:18 +0100
Subject: Re: [eu-amsat] Re: Total chaos. Audio File

allan_gm1sxx schrieb:

> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>

>> Hello group

>>

>> What is old mans dearest toy ? No, not his car, his FM walkie talkie ;-)

>>

>>

> Hi group,

>

> This OM's dearest possession, next to my missus of course! (I'm obliged to say that) ... is really my piece of paper from OFCOM that says "Full License" on it. That and the nice embossed City & Guilds certificate I got from the College of Nautical Studies in Glasgow, where I sat the exam in 1985.

>

> FM is super for rag-chews and is *very* useful to me when out and about, especially on the hills around my home. Many of the locals around here are involved in SOTA and have a great time at weekends with their portable FM handies while getting a nice sun-tan.. or frostbite, as the case may be.

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>

> Using CW, SSB instead and encouraging better operating procedure solves almost all of the 'access' problems, except of course for problems caused by 'alligators' and 'swishers'. Still, I do greatly like FM. My handie is great! It offers near Hi-Fi audio quality.. on the ground. In the sky... chaos. Like a certain brand of plastic card... I rarely leave home without it, so I'm most certainly not knocking FM. I do agree 100% that my handie is very useful indeed ... on the ground, where it does a great job of work. My dual band handy is *easily* my most used radio, but being generally useful, or very common and 'available', does not elevate FM to being an appropriate mode for satellite communications. That was a 'political' not practical, experiment. IMHO it was a massive flop! You wouldn't enter a donkey in a top horse race, would you?

> Perhaps some people thrive on chaos :-), but yes, I agree, my dual band handie is one of this OM's favourite toys.

>

> As to other toys...I don't own or want a car. My bicycle and my feet can take me to most places I want to go. For other journeys, there's the train and the occasional aeroplane. I'm quite 'chuffed' with my new bicycle though.

>

> Have a good day.

>

> Vy 73 Al.

> GM1SXX

>

>

Hello Al

It was meant sarcastic, in the matter, every man or boy needs his

toy. :-)

As I heard this chaos, only sarcasm can be the answer. I'm also QRV

during the weekends over the "Ooohla boxes", its always an amusement. ;-)

Have also a good day, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2927. where can i get this now famous audio file

Yahoo group: eu-amsat
Date: 2009-11-10 18:04:55 UTC
From: pine tree
Topic: 2927 Message: 2927

whewre can i get and play the famous chaos audio file, in simple terms please??????????

2928. RE: [eu-amsat] where can i get this now famous audio file

Yahoo group: eu-amsat
Date: 2009-11-10 18:37:33 UTC
From: John Hackett
Topic: 2927 Message: 2928

The (now) infamous 'chaos' file is to be found precisely where GM1SXX said it was (assuming one actually reads the posts).

It's in the FILES section in the SUMBANDILA map together with Nader's excellent satirical comment.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: g1dra@hotmail.com
Date: Tue, 10 Nov 2009 18:04:55 +0000
Subject: [eu-amsat] where can i get this now famous audio file

whewre can i get and play the famous chaos audio file, in simple terms please??????????

2929. Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-11 00:40:23 UTC
From: WILLIAMS M
Topic: 2929 Message: 2929

In my opinion, two simultaneous QSOs from AOS to LOS on a linear transponder is 100% more efficient than the same pass with a FM sat. Then you have to subtract the pass time on the FM sat where the satellite was made unusable by multiple signal QRM. Is it quality or quantity?

Mike K9QHO

2930. Re: [amsat-bb] Re: So is P3E essentially dead at this point?

Yahoo group: eu-amsat
Date: 2009-11-11 03:11:47 UTC
From: Luc Leblanc
Topic: 2930 Message: 2930

On 10 Nov 2009 at 22:39, Peter Guelzow wrote:

Date sent: Tue, 10 Nov 2009 22:39:39 +0100
From: Peter Guelzow <peter.guelzow@kourou.de>
Subject: [amsat-bb] Re: So is P3E essentially dead at this point?
To: APBIDDLE@...
Copies to: 'Amsat BB' <amsat-bb@...>

Excerpts:

> Substantial progress was recently made on the new IHU-3 and getting IPS
> working on it, the S/C operating system used on all previous P3 satellites.
> The new IHU-3 is not only essential for P3-E, but also for the P5-A Mars
> mission..
> Due to some problems discussed here before, we had to find new people in
> our own team to do the work.
> We had some good articles in our past AMSAT-DL Journal, I hope
> translations will find their's way into other magazines...
>
> 73s
> Peter, DB2OS
>
This ITAR new strategic issue still does not added up correctly here... as the translation from our German friends who are not present at
all on the AMSAT-NA web site when we can read a lot of english translated articles on AMSAT-DL web site.

Bill wrote in a previous thread:

>As stated earlier, ITAR applies equally to universities, NASA, members
>of the military except when specific State Department
>exemptions/agreements are in place.
>
>Regards...Bill - N6GHz

Could be as he also wrote:

>It's just that most
>AMSAT-NA satellite builders were unaware of ITAR issues related to
>satellites, and just what can and cannot be done to be compliant.

The builders where not aware but what about NASA? Just read this 2001 special bulletin on the AO-40 GPS experiment. SPONSORED BY NASA!!!

Special Bulletin AO-40

* Subject: [amsat-bb] Special Bulletin AO-40
* From: VEFRH@xxxxxxx
* Date: Fri, 28 Sep 2001 09:26:37 EDT

ANS is pleased to report that the GPS experiment on AO-40 has undergone successful testing. This experiment supplied and sponsored by NASA, is to determine if it is possible to get positional data outside of the GPS ring of satellites.

There are two GPS receivers on AO-40, the A receiver for receiving signals around apogee and the B receiver for signal reception around perigee. Both receivers are operational, and Data is passed from the receivers through the RUDAK to the S-band transmitter.

Jim White WD0E, has been the AMSAT coordinator and chief operator for this activity, reports that "we received a signal on the apogee receiver from about 52 Thousand Kilometres out with good signal levels, further data is being gathered and those downloaded so far are being analysed.

Frank Bauer KA3HDO, AMSAT-VP Human Spaceflight Programs, and instrumental in setting up the GPS experiment, said "If this experiment goes the way I expect, it will revolutionise the way we use GPS in Space. Many future HEO spacecraft will be able to take advantage of GPS for autonomous navigation and stationkeeping".

AMSAT President Robin Haighton, VE3FRH, was delighted with the news of the GPS success, and commented that "It is great to be able to help our friends at NASA. Testing this experiment has been a long time in coming, and we were worried that radiation may have damaged the GPS receivers. Now at last we have a very positive result from this important experiment."

Stay tuned to ANS for further details as they become available.

ANS Editor Dan James (N0DJ@...)

If i don't believe ITAR is not a convenient tool used to stay away from any international cooperation keeping the funds for the last AMSAT-
NA cube project the "1U CubeSat" there is a huge PR problem within AMSAT-NA who seems to rely on lawyers trying to explain an open P3E and
P5-A project and what security issues theses 2 projects can represent to the national security?

Knock knock instead of trying to find a way to fit AMSAT-NA in ITAR with exceptions, why not working the reverse way in explaining where
are the security issues in the AMSAT-NA mission and actions? or asking them?

I can believe wearing steel pants i will be quite protected from any potential/invisible external hasard but in doing so i'm exposing
myself to a real visible and well documented internal steel pants issue...

I now know where " the snow will hit the fan" came! It was coming from a hi-rise ventilation worker wearing steel pants.

P.S."This evening´s November 7, 2009 shipment of the first two Soyuz vehicles from Russia to the Spaceport in French Guiana brings
Arianespace one step closer to the next major expansion of its growing commercial launcher family." Is there will be some free ballast
available for an amateur HEO?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2931. AW: [eu-amsat] Total chaos.

Yahoo group: eu-amsat
Date: 2009-11-11 06:01:21 UTC
From: Mike Rupprecht
Topic: 2917 Message: 2931

Hi Group,

. it could be so easy and effectively like in this video (AO-27) J

http://www.youtube.com/watch?v=NhxpVAWOLBw

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Montag, 9. November 2009 14:49
An: eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Betreff: [eu-amsat] Total chaos.

Group,
I've taken the liberty of copying Dom's post from the Amsat-bb.

This particular post is aimed at the FM/Cubesat afficiondo.

A listen to the referenced audio file may remind some operators of my
previous posts regarding operating proceedure - and the (lack of) standards
thereof ...

Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the
AO-51 operating. If he could have heard the European AO-67 sortie he must
surely have been doing cartwheels in his grave.

The audio file speaks for itself.

Like Dom says ... NOT ONE SINGLE QSO WAS MADE.

73 John. <la2qaa@...>

> From: domenico.i8cvs@...
> To: amsat-bb@...; jan.koekemoer@...
> Date: Mon, 9 Nov 2009 01:50:08 +0100
> CC: i2ef@...; hgworldsoft@...; m.niccolini@...;
cesarealexcaprara@...; iz8jhd@...; ik4gmh@...;
raffaele.porcella@...; ugopicciolo@...; teodorol@...;
is0aee@...; paolopasse@...; atamarozzi@...;
brugneraivo@...; f.grappi@...; fernandodibartolomeo@...;
iz4gac@...; maubos@...; ikcsg@...;
stefano.castriotta@...; claudio@...; c.altamore@...;
marcvin@...; iw9hby@...; fulvioon@...;
dimontevincenzo@...; u.picchi@...; robetti@...;

lacivitam@...; iw5ecj@...; rinaldocaw@...
> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
>
> ----- Original Message -----
> From: "Jan-Albert Koekemoer" <jan.koekemoer@...>
> To: <amsat-bb@...>
> Sent: Sunday, November 08, 2009 8:02 PM
> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
>
> > I've tried to decipher the callsigns from the two recordings of the 8
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> > USA passes that Johan Papay posted, and subsequently mapped the
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> > on a Google Map. You can view this at
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> http://sumbandilamission.blogspot.com.
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> > I apologise in advance if I omitted someone from the map or incorrectly
> > identified others. You are most welcome to correct my mistakes!
> >
> > Regards
> > Jan-Albert
> > ZR1JAK
> >
> > E-mail Disclaimer
> > http://www.sunspace.co.za/emaildisclaimer.htm
>
>
> Hi Jan-Albert, ZR1JAK
>
> Look please in the following web page at the "caos" over Europe during the
> SO-67 orbit of sun 8 2009 07:59 UTC
>
> http://www.hamradio.selfip.com/i6ibe/sumbandilasat/sumbandilasat1.mp3
>
> No one QSO was made !
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> What do you think about to waste 5 watt into a single channel FM instead
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> 73" de
>
> i8CVS Domenico
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>
>
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> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!

> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

---

Windows Live: Keep your friends up to date with
<http://www.microsoft.com/middleeast/windows/windowslive/see-it-in-action/social-network-basics.aspx?ocid=PID23461::T:WLMTAGL:ON:WL:en-xm:SI_SB_1:092010
> what you do online.

2932. The operative being ... 'COULD'.

Yahoo group: eu-amsat
Date: 2009-11-11 09:37:13 UTC
From: John Hackett
Topic: 2917 Message: 2932

Like Mike says ... it *COULD* be like this on FM satellites ... BUT !!! ... like I have been 'bitching' about for donkey's years, the European stations would need to learn some operasting proceedure.

Point to ponder ... the gentleman in ther video cited as an example is an American.

As I previously posted - (a long! time ago) - I worked AO-51 over the USA (while connected to Emily W0EEC) on Echolink and the standard of operating proceedure is far! higher.

12 years ago I started a campaign to have the national societies print operating proceedure crib sheets in their magazines. Amsat-UK ignored it completely ... therefore, what can you expect?.

All we can do is hope that the experienced operators lead by setting a good example for the potential newcomers. Ignore completely, the deliberate QRM'ers, they 'WILL* eventually go away if the don't get the attention they seek.

The real clowns - (the awwwwwwlllllller's) - those with pregnant cow stomach problems - we'll just have to learn to live with.

Here's a tip from an old timer ... on CW we all know about the dit, dit, dit, dit ... on voice
a short sharp 1, 2, 3 acheaves the same result.

(don't !!! count to a hundred - use common sense!).

Nota Bena.

Donkey's years = colloquial Manchester slang for - 'a very long time'

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Wed, 11 Nov 2009 07:01:21 +0100
Subject: AW: [eu-amsat] Total chaos.

Hi Group,

… it could be so easy and effectively like in this video (AO-27)
J

http://www.youtube.com/watch?v=NhxpVAWOLBw

73, Mike

DK3WN

Von:
eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett

Gesendet: Montag, 9. November 2009 14:49

An: eu-amsat@yahoogroups.com

Cc: allan_gm1sxx@hotmail.com

Betreff: [eu-amsat] Total chaos.

Group,

I've taken the liberty of
copying Dom's post from the Amsat-bb.

This particular post is aimed at the FM/Cubesat afficiondo.

A listen to the referenced audio file may remind some operators of my previous posts regarding operating proceedure - and the (lack of) standards thereof ...

Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the AO-51 operating. If he could have heard the European AO-67 sortie he must surely have been doing cartwheels in his grave.

The audio file speaks for itself.

Like Dom says ... NOT ONE SINGLE QSO WAS MADE.

73 John. <la2qaa@...g>

> From: domenico.i8cvs@...

> To: amsat-bb@...; jan.koekemoer@...

> Date: Mon, 9 Nov 2009 01:50:08 +0100

> CC: i2ef@libero.it; hgworldsoft@...; m.niccolini@...;
cesarealexcaprara@alice.it; iz8jhd@...; ik4gmh@...;
raffaele.porcella@fastwebnet.it; ugopicciolo@...; teodorol@...;
is0aee@...; paolopasse@...; atamarozzi@...; brugneraivo@...;
f.grappi@...; fernandodibartolomeo@...; iz4gac@...;
maubos@...; ikcsg@...; stefano.castriotta@...; claudio@...;
c.altamore@tin.it; marcvin@...; iw9hby@...; fulvioon@...;
dimontevincenzo@...; u.picchi@...; robetti@...;
lacivitam@aliceposta.it; iw5ecj@...; rinaldocaw@...

> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009

>

> ----- Original Message -----

> From: "Jan-Albert Koekemoer" <jan.koekemoer@...>

> To: <amsat-bb@amsat.org>

> Sent: Sunday, November 08, 2009 8:02 PM

> Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009

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> > I've tried to decipher the callsigns from the two recordings of the 8
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> > USA passes that Johan Papay posted, and subsequently mapped the
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> > Regards

> > Jan-Albert

> > ZR1JAK

> >

> > E-mail Disclaimer

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>

>

> Hi Jan-Albert, ZR1JAK

>

> Look please in the following web page at the "caos" over Europe
during the

> SO-67 orbit of sun 8 2009 07:59 UTC

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> No one QSO was made !

>

> What do you think about to waste 5 watt into a single channel FM instead
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> spread it into a 150 KHz bandwidth of a linear transponder ?

>

> 73" de

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> i8CVS Domenico

>

>

>

> _____

> Sent via AMSAT-BB@.... Opinions expressed are those of the author.

> Not an AMSAT-NA member? Join now to support the amateur satellite program!

> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

Windows Live: Keep your friends up to date with
what you do online.

2933. Re: [eu-amsat] Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-11 10:09:59 UTC
From: Thomas Frey
Topic: 2929 Message: 2933

WILLIAMS M schrieb:
> In my opinion, two simultaneous QSOs from AOS to LOS on a linear transponder is 100% more efficient than the same pass with a FM sat. Then you have to subtract the pass time on the FM sat where the satellite was made unusable by multiple signal QRM. Is it quality or quantity?
>
> Mike K9QHO
>
>
>

Hello Mike

Agreed. Quality generates quantity, but quantity doesn't generates quality.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2934. Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-11 10:20:30 UTC
From: John Hackett
Topic: 2929 Message: 2934

At last !!!!,
The message seems to be sweeping in.

Domenico's audio video (and Nader's humouristic comment) have been instrumental in having several operators switch the brain to the 'ON' position ... at last !!!.

We can only hope that the self-professed 'experts' take note.

The mail from K9QHO also illustrates the point quite well.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 11 Nov 2009 11:09:59 +0100
Subject: Re: [eu-amsat] Linear vs. FM transponder

WILLIAMS M schrieb:

> In my opinion, two simultaneous QSOs from AOS to LOS on a linear transponder is 100% more efficient than the same pass with a FM sat. Then you have to subtract the pass time on the FM sat where the satellite was made unusable by multiple signal QRM. Is it quality or quantity?

>

> Mike K9QHO

>

>

>

Hello Mike

Agreed. Quality generates quantity, but quantity doesn't generates

quality.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2935. Re: Total chaos.

Yahoo group: eu-amsat
Date: 2009-11-11 12:19:22 UTC
From: st2nh
Topic: 2917 Message: 2935

Hi All

Tnx Mike for AO-27 video.
Interesting video reset me again to sat mode.
Quite, relax and enjoyable with out SOB (shorting of breath).

Important Notice -

On the entire Pass no one did a loop test!!!!!!
Neither va2sg nor the other stations did a single loop test!

Why here we heard a lot of (OllA) looooping test?

Skill?
Equipment?
experience?
etc

The answer is the key of deferent!

73'Nader

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
>
> Hi Group,
>
>
>
> . it could be so easy and effectively like in this video (AO-27) J
>
>
>
> http://www.youtube.com/watch?v=NhxpVAWOLBw
>
>
>
> 73, Mike
>
> DK3WN
>
>
>
> Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
> von John Hackett
> Gesendet: Montag, 9. November 2009 14:49

> An: eu-amsat@yahoogroups.com
> Cc: allan_gm1sxx@...
> Betreff: [eu-amsat] Total chaos.
>
>
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>
>
> Group,
> I've taken the liberty of copying Dom's post from the Amsat-bb.
>
> This particular post is aimed at the FM/Cubesat afficiondo.
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> A listen to the referenced audio file may remind some operators of my
> previous posts regarding operating proceedure - and the (lack of) standards
> thereof ...
>
> Mak SV1BSX (RIP)originally coined the description 'ZOO' to describe the
> AO-51 operating. If he could have heard the European AO-67 sortie he must
> surely have been doing cartwheels in his grave.
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> The audio file speaks for itself.
>
> Like Dom says ... NOT ONE SINGLE QSO WAS MADE.
>
> 73 John. <la2qaa@...>
>
>
>
> > From: domenico.i8cvs@...
> > To: amsat-bb@...; jan.koekemoer@...
> > Date: Mon, 9 Nov 2009 01:50:08 +0100
> > CC: i2ef@...; hgworldsoft@...; m.niccolini@...;
> cesarealexcaprara@...; iz8jhd@...; ik4gmh@...;
> raffaele.porcella@...; ugopicciolo@...; teodorol@...;
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> stefano.castriotta@...; claudio@...; c.altamore@...;
> marcvin@...; iw9hby@...; fulvioon@...;
> dimontevincenzo@...; u.picchi@...; robetti@...;
> lacivitam@...; iw5ecj@...; rinaldocaw@...
> > Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
> >
> > ----- Original Message -----
> > From: "Jan-Albert Koekemoer" <jan.koekemoer@...>
> > To: <amsat-bb@...>
> > Sent: Sunday, November 08, 2009 8:02 PM
> > Subject: [amsat-bb] Re: SO-67 activation: 7/8 Nov 2009
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> cial-network-basics.aspx?ocid=PID23461::T:WLMTAGL:ON:WL:en-xm:SI_SB_1:092010
> > what you do online.
>

2936. Re: The operative being ... 'COULD'.

Yahoo group: eu-amsat
Date: 2009-11-11 12:38:24 UTC
From: st2nh
Topic: 2917 Message: 2936

Hi Jhon

So it is a chronic problem . DY = 'a very long time'
Ok add to our operating proceedure crib sheets
Dome's QRM Audio file Mike's(vA2sg) AO-27 vedio File.and try again
As you say its start to work from here (switch- on)other .

Cheeer and thanks OM

73'Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Like Mike says ... it *COULD* be like this on FM satellites ... BUT !!! ... like I have been 'bitching' about for donkey's years, the European stations would need to learn some operasting proceedure.
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> Point to ponder ... the gentleman in ther video cited as an example is an American.
>
> As I previously posted - (a long! time ago) - I worked AO-51 over the USA (while connected to Emily W0EEC) on Echolink and the standard of operating proceedure is
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>
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> what can you expect?.
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> All we can do is hope that the experienced operators lead by setting a good example for the potential newcomers. Ignore completely, the deliberate QRM'ers, they 'WILL* eventually go away if the don't get the attention they seek.
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> The real clowns - (the awwwwwwlllllller's) - those with pregnant cow stomach problems -
> we'll just have to learn to live with.
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> Here's a tip from an old timer ... on CW we all know about the dit, dit, dit, dit ... on voice
> a short sharp 1, 2, 3 acheaves the same result.
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> (don't !!! count to a hundred - use common sense!).
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> Nota Bena.
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> Donkey's years = colloquial Manchester slang for - 'a very long time'
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> To: eu-amsat@yahoogroups.com

> From: mail@...
> Date: Wed, 11 Nov 2009 07:01:21 +0100
> Subject: AW: [eu-amsat] Total chaos.
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> eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John
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> Gesendet: Montag, 9. November 2009 14:49
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> An: eu-amsat@yahoogroups.com
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> > To: amsat-bb@...; jan.koekemoer@...
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> > Date: Mon, 9 Nov 2009 01:50:08 +0100
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> > CC: i2ef@...; hgworldsoft@...; m.niccolini@...;
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> > ----- Original Message -----
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> > From: "Jan-Albert Koekemoer" <jan.koekemoer@...>
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> > To: <amsat-bb@...>
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> > Sent: Sunday, November 08, 2009 8:02 PM
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>
> Windows Live: Keep your friends up to date with
> what you do online.
>

2937. Re: [amsat-bb] Re: Satellites need to be open source

Yahoo group: eu-amsat
Date: 2009-11-13 07:54:32 UTC
From: Luc Leblanc
Topic: 2937 Message: 2937

On 12 Nov 2009 at 13:02, Clint Bradford wrote:

Date sent: Thu, 12 Nov 2009 13:02:58 -0800
From: Clint Bradford <clintbrad4d@...>
Subject: [amsat-bb] Re: Satellites need to be open source
To: amsat-bb@...

> >> ... Why aren't the schematics ... posted on the internet?
>
>
> I think the info IS out there. AMSAT-NA doesn't seem to be hiding
> anything.
>
If all is publicly open how ITAR seems to prevent disclosure of the very same technology used by AMSAT-NA or anyone else! there is already
know SDR and others widely available technology very well documented....

It will be useful to see the papers issued by ITAR afficionados against AMSAT-NA to see what they have made wrong and against ITAR rules?
They surely pointed out some inappropriate actions and the disclosure of theses inappropriate actions will help a lot of us as many are
already transferring notes schematic data files and so on in a way to share satellite technology between ham's.

I already received some request about DSTAR coding and DSTAR technology information from some universities and i'm exchanging files on the
very same subject with europe can i violate ITAR or those in the US who send me some files are they violating ITAR?

I got at a hamfest a "special" transmitter who was supposed to be a very wide VHF transmitter but the output is made only of white noise
with hissing special effect... as usual i come up with the first conclusion that i got another piece of scrap but pushing a bit more my
search i found it was an exciter part of a power chain apparently made on purpose to transmit only noise... be my guess what the primary
use of this transmitter was but how many of us can stumble on some weird piece of equipment and when making theses items available for swap
of for sale did we violate ITAR?

The disclosure of the ITAR rules apparently violated by AMSAT-NA will only help us to see if we are on the right track or on the side one.

P.S. i got a Power Supply who come up with my unmark noise transmiter it is a Qualidyne switching power supply model 9010E-1Z-001 SN: 70121
it is rated for 1200Watts 12V at 100amps if any one can help me finding at least the schematic in a way to find how to switch it on. Only
the fan start when i plugged it into the AC main.

Thank's

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2938. How much is that Soyuz in the window?

Yahoo group: eu-amsat
Date: 2009-11-13 08:41:18 UTC
From: allan_gm1sxx
Topic: 2938 Message: 2938

Hi Group,

I've always wondered what a Soyuz launcher costs and it seems that this snippet from RIA Novosti gives at least a bit of a clue.

The shipment of the first two Soyuz-ST carrier rockets will leave the port of St. Petersburg on November 7. The Colibri cargo vessel will deliver them to the space center in Guiana," a Progress official said.

The Kourou launch site is intended mainly for the launch of geostationary satellites. Its proximity to the equator will enable the Soyuz-ST to put into orbit heavier satellites than those launched from Baikonur in Kazakhstan and Plesetsk in northern Russia.

Russia's Federal Space Agency Roscosmos and French satellite launch firm Arianespace signed a contract last year to launch 10 Russian Soyuz-ST carrier rockets from a separate launch pad in French Guiana near Sinnamari, a village 10 kilometers (6 miles) north of the site used for the Ariane-5, the main European-made booster.

The contract is estimated at $300-$400 million and stipulates at least three launches per year.

So a ten vehicle contract runs to $400m..... ergo $40M/launch.

Hmmmmmm!

ST refers to the launch shroud, which is larger than that used for launches from Russia. The Soyuz ST launcher uses the very versatile FREGAT 'Frigate' upper stage. According to Arianspace Soyuz-2 will have improved performance and be able to carry up to 3 tonnes into geostationary transfer orbit, compared to the 1.7 tonnes that can be launched from Baikonur, in Kazakhstan.

The amount of work done at Kourou to support Soyuz operations was very substantial, requiring the construction of a new launch-pad, railway, MIK building and other major equipment. Kourou requires a moveable enclosed payload assembly building at the pad, and the construction and delivery of this has (from Russia) slowed the project down.

http://www.esa.int/SPECIALS/Launchers_Home/SEMFFUZO0WF_0.html

http://www.esa.int/SPECIALS/Launchers_Access_to_Space/SEM6JRS4LZE_0.html

Soyuz will be a very useful addition for Arianespace but I wonder if the days of 'hitching a lift' at a reduced cost are well and truly over.

73 Al.
GM1SXX

2939. RE: [eu-amsat] How much is that Soyuz in the window?

Yahoo group: eu-amsat
Date: 2009-11-13 10:17:23 UTC
From: John Hackett
Topic: 2938 Message: 2939

Hello Al,

>Soyuz will be a very useful addition for Arianespace but
>I wonder if
the days of 'hitching a lift' at a reduced cost
>are well and truly over.

If you havn't got the money ... bog off !!!.

Amsat does *NOT* !!! have the clout certain members of the b.o.d. 'think' they have.

73 John.

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Fri, 13 Nov 2009 08:41:18 +0000
Subject: [eu-amsat] How much is that Soyuz in the window?

Hi Group,

I've always wondered what a Soyuz launcher costs and it seems that this snippet from RIA Novosti gives at least a bit of a clue.

The shipment of the first two Soyuz-ST carrier rockets will leave the port of St. Petersburg on November 7. The Colibri cargo vessel will deliver them to the space center in Guiana," a Progress official said.

The Kourou launch site is intended mainly for the launch of geostationary satellites. Its proximity to the equator will enable the Soyuz-ST to put into orbit heavier satellites than those launched from Baikonur in Kazakhstan and Plesetsk in northern Russia.

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Soyuz will be a very useful addition for Arianespace but I wonder if the days of 'hitching a lift' at a reduced cost are well and truly over.

73 Al.

GM1SXX

2940. News about AO-51 from Twitter

Yahoo group: eu-amsat
Date: 2009-11-13 11:51:16 UTC
From: Thomas Frey
Topic: 2940 Message: 2940

AO-51 SSTV repeater now on, 145.88/435.15 at 620mw, 145.92/435.3 repeater is on at 640mw. 38k4 starts Monday. about 8 hours ago from web

I hope there will be no QRMers and 'Ooola criers' on 435.150. I will be qrv in SSTV over the weekend.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2941. Leonid campaign 2009

Yahoo group: eu-amsat
Date: 2009-11-13 15:39:20 UTC
From: Luc Leblanc
Topic: 2941 Message: 2941

Time to check the Navspasur Radar for some echoes.

November 10, 2009: This year's Leonid meteor shower peaks on Tuesday, Nov. 17th. If forecasters are correct, the shower should produce a
mild but pretty sprinkling of meteors over North America followed by a more intense outburst over Asia. The phase of the Moon will be new,
setting the stage for what could be one of the best Leonid showers in years.

We're predicting 20 to 30 meteors per hour over the Americas, and as many as 200 to 300 per hour over Asia," says Bill Cooke of NASA's
Meteoroid Environment Office. "Our forecast is in good accord with independent theoretical work by other astronomers."
The whole article can be read at:
http://science.nasa.gov/headlines/y2009/10nov_leonids2009.htm

And a nice web site on the radar receiving experiment:

http://www.itr-datanet.com/~pe1itr/navspasur.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2942. Re: [amsat-bb] Re: Satellites need to be open source

Yahoo group: eu-amsat
Date: 2009-11-14 04:43:12 UTC
From: Luc Leblanc
Topic: 2937 Message: 2942

On 13 Nov 2009 at 18:04, John B. Stephensen wrote:

Date sent: Fri, 13 Nov 2009 18:04:52 +0000
From: "John B. Stephensen" <kd6ozh@...>
Subject: Re: [amsat-bb] Re: Satellites need to be open source
To: Luc Leblanc <lucleblanc6@...>, amsat-bb@...
Copies to: eu-amsat@yahoogroups.com

> Since you are in Canada you don't have to worry about U.S. laws.
>
> 73,
>
> John
> KD6OZH

Good question John

I can govern myself as i put my my head in the sand ignoring the rest of the world but i have a hobby who make's me communicate through a
medium called "satellite" and those satellites ignore the frontier or the boundaries. There is a wide concensus about extending those
geographical limitations using a satellite with a highly elliptical orbit namely called HEO. There is one in the making in Germany just
near to be completed and a WORLDWIDE AMATEUR RADIO SPIRIT is needed to help them to complete and launch this new HEO.

I'm worried so much about amateur radio satellite that i suggested numerous ideas in the past in a way to help finding a replacement for AO-
40. Could be i'm wrong but i'm only asking AMSAT-NA and namely his BOD to disclose the papers/letters condemning AMSAT-NA and or his BOD or
staff for ITAR violations.

I'm guessing at the last general AMSAT-NA meeting the BOD put in the members assembly notes the copy of those letters from the ITAR
afficionados? If not it will a great help for us and for all the US amateur radio operators to see where they can be wrong in their actions
regarding ITAR.

You are right when you wrote "you don't have to worry about U.S. laws" it's not of my concern but i'm asking only for a disclosure of the
condemning letter coming from ITAR about presuming rules violation by AMSAT-NA.

All the AMSAT financial report are already available on AMSAT-NA web site why not put copy of those letters on the web site? it will not
hurt anyone but it will be a great help for all of those who wants to exchange stuff with US hams and probably numerous US hams who are
probably in a huge void actually about what they can do or not.

When i got a speeding ticket i have a piece of paper and AMSAT-NA probably got one or two letters also?

What do you think about that John?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2943. Re: Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-14 05:59:13 UTC
From: yo9gjx
Topic: 2929 Message: 2943

I use to leasen along time AO13 and RS birds and my opinion is that linear transporder is best but only for HEO, on LEO is more eficient FM transporder. A better situation is to build LEO with multichanel transporders and more birds because the number of hams working in sat mode is growing up every day.Also for portable or mobile use FM is superior to linear for fast and handy like comunications.

2944. Re: Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-14 10:15:20 UTC
From: allan_gm1sxx
Topic: 2929 Message: 2944

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> I use to leasen along time AO13 and RS birds and my opinion is that linear transporder is best but only for HEO, on LEO is more eficient FM transporder. A better situation is to build LEO with multichanel transporders and more birds because the number of hams working in sat mode is growing up every day.Also for portable or mobile use FM is superior to linear for fast and handy like comunications.
>

This is an intetesting post but of course I disagree.

Here is why in two words..... "contention ratio".

In network communications (and that includes satcoms),the contention ratio is "the ratio of the maximum demand to the actual bandwidth available".

The higher the contention ratio, the greater the number of users that may be trying to use the actual bandwidth at any one time and, therefore, the lower the effective bandwidth offered, especially at peak times.

So, how does FM do? Easy. It's the worst possible scenario.

Add bad operating manners and Voila... instant "ZOO".

IMHO, the reasons we have FM birds are....
1) FM HT's are cheap and readily available
and
2) Politics.

Vy 73,
Al.
GM1SXX

2945. If there is still some doubt ...

Yahoo group: eu-amsat
Date: 2009-11-14 12:24:01 UTC
From: John Hackett
Topic: 2945 Message: 2945

Group,
I think today's audio recording ought to dispell any doubts about the suitability
of FM on satellites ... at least over Europe !!!.

The audio speaks for itself.

Of particular note is the ON station at S9 + and the SP station continuing to call CQ ...
and then there's the proverbial whistler ... nuff said.

73 John. <la2qaqa@...>
.....
.....

Hello:

I could record the pass over Europe (west) this morning at 9:02 UTC.
The signal of the sat was quite high.
A lot of stations trying to do QSO.
Here you can download the recorded pass here:

<http://www.mediafire.com/file/mmlqyimhyyo/SO-68.mp3>

This was recorded from IN91NQ north east of Spain.

Best regards, 73.
Miguel (EA2BJM)

2947. Re: [eu-amsat] Re: Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-14 13:42:27 UTC
From: Thomas Frey
Topic: 2929 Message: 2947

allan_gm1sxx schrieb:
> --- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
>> I use to leasen along time AO13 and RS birds and my opinion is that linear transporder is best but only for HEO, on LEO is more eficient FM transporder. A better situation is to build LEO with multichanel transporders and more birds because the number of hams working in sat mode is growing up every day.Also for portable or mobile use FM is superior to linear for fast and handy like comunications.
>>
>>
>
> This is an intetesting post but of course I disagree.
>
> Here is why in two words..... "contention ratio".
>
> In network communications (and that includes satcoms),the contention ratio is "the ratio of the maximum demand to the actual bandwidth available".
>
> The higher the contention ratio, the greater the number of users that may be trying to use the actual bandwidth at any one time and, therefore, the lower the effective bandwidth offered, especially at peak times.
>
> So, how does FM do? Easy. It's the worst possible scenario.
>
> Add bad operating manners and Voila... instant "ZOO".
>
> IMHO, the reasons we have FM birds are....
> 1) FM HT's are cheap and readily available
> and
> 2) Politics.
>
> Vy 73,
> Al.
> GM1SXX
>
>
>

Hello Florian and Al

In principle and technically I agree with Florian. I was also an AO-10/13 operator and made worldwide QSO's from Macao, Japan to Hawaii. BUT, we have lousy phonie operators without any discipline in Europe, not only on the satellites, also on SW. So I have to agree with Al.

Look to our friends in Japan. In a relative small country with many
HAM Radio operators they have learnd to cooperate.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2948. Re: If there is still some doubt ...

Yahoo group: eu-amsat
Date: 2009-11-14 14:17:17 UTC
From: st2nh
Topic: 2945 Message: 2948

Hi John and all

No other explanation to call CQ satellite during a QSO other than a complete deafness!!!Part of the solution is a treatment to hearing impairment of their rigs(rig hearing aid device) a Pre-amp!!!!!.
Many stations were not hearing each other at all!!!
(No small ears but deaf Alligator) .

73'Nader

--- In eu-amsat@yahoogroups.com, John Hacket
t <archie.hackett@...> wrote:
>
>
> Group,
> I think today's audio recording ought to dispell any doubts about the suitability
> of FM on satellites ... at least over Europe !!!.
>
> The audio speaks for itself.
>
> Of particular note is the ON station at S9 + and the SP station continuing to call CQ ...
> and then there's the proverbial whistler ... nuff said.
>
> 73 John. <la2qaqa@...>
> .....
.....
>
>
> Hello:
>
> I could record the pass over Europe (west) this morning at 9:02 UTC.
> The signal of the sat was quite high.
> A lot of stations trying to do QSO.
> Here you can download the recorded pass here:
>
> <http://www.mediafire.com/file/mmlqyimhyyo/SO-68.mp3>
>
> This was recorded from IN91NQ north east of Spain.
>
> Best regards, 73.
> Miguel (EA2BJM)
>

2949. Re: Linear vs. FM transponder

Yahoo group: eu-amsat
Date: 2009-11-14 15:33:48 UTC
From: allan_gm1sxx
Topic: 2929 Message: 2949

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Florian and Al
>
> In principle and technically I agree with Florian. I was also an
> AO-10/13 operator and made worldwide QSO's from Macao, Japan to Hawaii.
> BUT, we have lousy phonie operators without any discipline in Europe,
> not only on the satellites, also on SW. So I have to agree with Al.
>
> Look to our friends in Japan. In a relative small country with many
> HAM Radio operators they have learnd to cooperate.

Technically your argument is flawed and I have already explained why. In communications theory, this is what 'contention ratio' is about. I don't need to 'prove' this point. It's accepted fact in the real world. Go do some reasearch if you have a problem with that.

Since Molniyas don't and have never carried FM transponders, they can be discounted from this thread. It's really about modes and manners for LEO.

My opinion....The 'ZOO' problem is in large part down to the inability of FM links to support more than one pair of stations concurrently. This makes users unhappy, and in congested areas leads to the all-to-common 'Zoo' antics. It can hardly be surprising that users get irritated trying to get a few seconds of quiet to conduct the shortest and simplest 'rubber stamp' 'exchange' in heavily populated areas, when dozens of others are all trying to do the same!

Just listen to the audio files.

www.observations.biz/The_Satellite_Zoo/

Linear transponders as we all know support multiple users... in fact as many QSO's as the passband bandwidth permits.

FM is totally limited by capture effect and is only capable of supporting one QSO per time slot. Thats the crux of the problem with flying FM. That and manners. The use of FM of course leads to other unpleasant 'operating habits' that are prevalent but very rarely mentioned. With FM, the strongest received signal *always* wins, this is exactly opposite the 'ideal' behaviour we need to encourage on *linear* transponders, but old habits die hard, so FM is a breeding-ground for 'alligators'.

So if and when these people progress to using linear birds, how do you think they will behave? Do you think they will run the minimum power needed to complete the QSO? I don't think so!

Of course with multiple QSO's possible on a linear transponder, operating standards are better than on FM, because users realise that they don't have to compete aggressively for a single uplink/downlink 'channel'.

Yes, well disciplined operators can make FM work, but this ie Europe and you won't ever see FM work well here. There are too many people with too few manners trying to use a scarce resource.

Damn... I haven't even managed to get around to #3..... politics :-)

73 Al.
GM1SXX

2950. A matter of choice.

Yahoo group: eu-amsat
Date: 2009-11-15 10:47:31 UTC
From: John Hackett
Topic: 2950 Message: 2950

Dave,
No, there's nothing wrong with my equipent, I just choose not to join the ZOO on the FM sats.

As for the station you mentioned, judging by his callsign i was operating AO-7 before he was born. Give him a few years, he'll learn.

73 John. <la2qaa@...>

2951. SO-67 activation schedule: 13-15 Nov 2009

Yahoo group: eu-amsat
Date: 2009-11-15 15:23:17 UTC
From: Luc Leblanc
Topic: 2951 Message: 2951

I was late on Sunday mid USA pass but with about 4 watts below an elevation of 4 degrees my downlink was Q5 audio very good but narrow FM
is mandatory to achieved good audio. It seems audio level setting can be adjusted quite high but only in narrow FM mode. Just hope to
conduct further test later.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2952. Re: [amsat-bb] SO-67 15November2009 1328z 1501z audio

Yahoo group: eu-amsat
Date: 2009-11-15 16:08:21 UTC
From: Luc Leblanc
Topic: 2952 Message: 2952

On 15 Nov 2009 at 10:18, John Papay wrote:

Date sent: Sun, 15 Nov 2009 10:18:09 -0500
From: John Papay <john@...>
Subject: [amsat-bb] SO-67 15November2009 1328z 1501z audio
To: amsat-bb@...

>
> The dropout problem is still apparent but contacts are
> possible. The bird is very strong as usual.
>
> 73,
> John K8YSE
>
>
It seems you have to let the carrier going down and give you reply after meaning having to exercise a strict discipline on that sat and my
guess is it will hard to achieved on this FM one channel sat... When someone is calling another station don't transmit and let the exchange
process completed before calling or answering someone else.

I don't agree with the idea that an FM one channel LEO is better than a transponder one. On VO-52 we can have up to 10 QSO'S on a single
pass at the same time. On a FM repeater satellite it is only one at the time and SO-67 is attracting more users as he's much more powerful
than the other cube and numerous new-comer get on with dualband mobile rig with no headphones resulting in a lot of feedback loop.

It is an entry sat as probably the next one! Could be frustrating sat will be a more appropriate name... ZOO sat can also fit very well and
if SO-67 usage does not come more disciplined he will never be an easy sat but a hard sat making quite impossible to have some sort of any
decent short chat other than callsign/report/grid exchange IMHO it is not what someone who want's to work on the sats need. I still does
not understand the AMSAT-NA one single channel FM sat project. There is already very small tranponder board available made by William
PE1RAH
Why not using one on the next AMSAT-NA satellite?

http://www.leijenaarelectronics.nl/

P.S. One of William transponder is actually on VO-52 with another one YES 2 transponder on the same sat! Is it possible to have some sort
of combo on the next AMSAT-NA project no need to have fancy toys just plain transponder and FM cross band repeater on the same cube both
options will be satisfied as they can be activated in alternance as AO-51 is working

actually.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2953. ZOOSAT.

Yahoo group: eu-amsat
Date: 2009-11-15 18:53:23 UTC
From: John Hackett
Topic: 2952 Message: 2953

Luc makes a very good point re: the term 'easysat' regarding AO-67.

GM1SXX and myself have been making a similar point for donkey's years, though we wern't the first, It was first mentioned by G4IHJ in 1996.

Without net discipline, FM is unsuitable for satellite communications due to the one-at-time nature of the modulation and it's inherent 'capture effect' - encouraging the inexperienced operator to use more power ... MORE POWER EGON, MORE POWER !!! ... (Frankenstein).

Like I mentioned a couple of weeks ago, it's interesting to see more and more amateurs becoming aware of the problems that Commander John Brannegan warned about in the late 90's.

Such! a pity that no-one in the Amsat b.o.d. had the gumption to see the problem.

I agree with Luc, 'easysat' is a complete misnomer.

A better solution would have been a linear transponder and a few online lessons in operating proceedure.

I particularly like Luc's designation suggestion ... ZOOSAT.

Nice! one Luc.

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sun, 15 Nov 2009 11:08:21 -0500
Subject: [eu-amsat] Re: [amsat-bb] SO-67 15November2009 1328z 1501z audio

On 15 Nov 2009 at 10:18, John Papay wrote:

Date sent: Sun, 15 Nov 2009 10:18:09 -0500

From: John Papay <john@...>

Subject: [amsat-bb] SO-67 15November2009 1328z 1501z audio

To: amsat-bb@amsat.org

>

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>

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> John K8YSE

>

>

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PE1RAH

Why not using one on the next AMSAT-NA satellite?

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P.S. One of William transponder is actually on VO-52 with another one YES 2 transponder on the same sat! Is it possible to have some sort

of combo on the next AMSAT-NA project no need to have fancy toys just plain transponder and FM cross band repeater on the same cube both

options will be satisfied as they can be activated in alternance as AO-51 is working actually.

"-"

Luc Leblanc VE2DWE

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WAC BASIC CW PHONE SATELLITE

2954. High inrush current

Yahoo group: eu-amsat
Date: 2009-11-17 00:05:59 UTC
From: st2nh
Topic: 2954 Message: 2954

Good day group

I have a Diamond 40amp switched mode power supply which has failed, I noticed a flash light at left side through the ventilation window when
it failed down. No visible sign internally of failed components and on
the left side on the board there were a bridge rectifier, electrolytes capacitor and two high rating resisters. First I thought the problem in rectifier .yah to remove the board there were many screws. Before removing the board I notice again
the two resistors with a long leads so I cut one lead at each and checked both. I got Infinity on both resistors ???? both was 4R7 5W white block resistor .In my junk box I found a 5R 10W wire wind resistors. Soldering and YES it is back to life. Yes the problem was high inrush current burned both resistors with a flash light .The good thing I ha soldered the new resistors on the remain of the old lead with out removing the board.

I'm afraid those wire wind resistor wll not created any hum or RF noise. So I will be back soon on bird just listen to south you may heard more QRM

73'Nader
www.st2nh.com

2955. RE: [eu-amsat] High inrush current

Yahoo group: eu-amsat
Date: 2009-11-17 08:21:35 UTC
From: John Hackett
Topic: 2954 Message: 2955

Well done! Nader,
Your latest post is what the EU-Amsat reflector was envisaged to be.

The description of a practical solution to a practical problem for everyone to read and such posts are like 'gold' to the potential newcomer.

People are all too ready to criticise or whinge and moan. (That is 'also' welcome in this group) but I believe it's also extreemly important to give credit when and where it's due.

A very good post Nader.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Tue, 17 Nov 2009 00:05:59 +0000
Subject: [eu-amsat] High inrush current

Good day group

I have a Diamond 40amp switched mode power supply which has failed, I noticed a flash light at left side through the ventilation window when

it failed down. No visible sign internally of failed components and on

the left side on the board there were a bridge rectifier, electrolytes capacitor and two high rating resisters. First I thought the problem in rectifier .yah to remove the board there were many screws. Before removing the board I notice again

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73'Nader

www.st2nh.com

2956. Re: [eu-amsat] High inrush current

Yahoo group: eu-amsat
Date: 2009-11-17 11:07:09 UTC
From: Thomas Frey
Topic: 2954 Message: 2956

st2nh schrieb:
> Good day group
>
> I have a Diamond 40amp switched mode power supply which has failed, I noticed a flash light at left side through the ventilation window when
> it failed down. No visible sign internally of failed components and on
> the left side on the board there were a bridge rectifier, electrolytes capacitor and two high rating resisters. First I thought the problem in rectifier .yah to remove the board there were many screws. Before removing the board I notice again
> the two resistors with a long leads so I cut one lead at each and checked both. I got Infinity on both resistors ???? both was 4R7 5W white block resistor .In my junk box I found a 5R 10W wire wind resistors. Soldering and YES it is back to life. Yes the problem was high inrush current burned both resistors with a flash light .The good thing I ha soldered the new resistors on the remain of the old lead with out removing the board.
>
> I'm afraid those wire wind resistor wll not created any hum or RF noise. So I will be back soon on bird just listen to south you may heard more QRM
>
> 73'Nader
> www.st2nh.com
>
>
>
Hello Nader

I would insert 2 fuses at the 2 resistors. At the next event you will
have no such luck with wire resistors.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2957. Get up early=iceland

Yahoo group: eu-amsat
Date: 2009-11-22 12:12:40 UTC
From: Luc Leblanc
Topic: 2957 Message: 2957

That was the lucky combination this morning who make's me reaching Ari TF3ARI in Reykjavik Iceland. This period of the year make's me
remember a tradition a plane that brings Icelandic Christmas shoppers to St-John Newfoundland. Theses Visitors from Iceland have come to
St. John's on special flights every year for a decade to buy Christmas gifts and stock up on supplies.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2958. I found the twist on SO-67

Yahoo group: eu-amsat
Date: 2009-11-22 16:33:37 UTC
From: Luc Leblanc
Topic: 2958 Message: 2958

On my last 8 degrees morning pass i was able to sustain about 4 differents QSO in a row (back to back) It is not an issue on the
transponder probably a new way to avoid pile up? I will have to make further test but the twist is related to over deviation and trailing
tail handling if it's confirm the twist is nasty... and can be only defeated by strict rules of engagement that i strongly doubt it can be
achieved anytime soon on a one channel fm satellite.

Signal reach S9 plus 30 here at 8 degrees and i missed an overhead 83 degrees pass prior to this one :(With ISS it's probably the
strongest signal received here.

It will be nice folk's from Sumbandalia to explain exactly how the TR switching is working. In the mean time congratulations for this very
powerful sat.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2959. Re: I found the twist on SO-67

Yahoo group: eu-amsat
Date: 2009-11-22 20:08:02 UTC
From: allan_gm1sxx
Topic: 2958 Message: 2959

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On my last 8 degrees morning pass i was able to sustain about 4 differents QSO in a row (back to back) It is not an issue on the
> transponder probably a new way to avoid pile up? I will have to make further test but the twist is related to over deviation and trailing
> tail handling if it's confirm the twist is nasty... and can be only defeated by strict rules of engagement that i strongly doubt it can be
> achieved anytime soon on a one channel fm satellite.
>

Hi Folks,

Interesting post, but I wonder if anyone has considered the possibility that the bird is indended to work like this and perhaps it's not a fault or something to be 'got around' as I've seen posted elsewhere.

Perhaps it was indended to behave this way. Just my 0.2 cents.

73 Al.
GM1SXX

2960. A Sumbandila fault.

Yahoo group: eu-amsat
Date: 2009-11-23 09:55:20 UTC
From: John Hackett
Topic: 2960 Message: 2960

From the YAHOO Sumbandila Grroup
.....
.....

Re. the 3 second tail of AO-67

The problem with the 3 second drop-out is a bug in the firmware and the satellite was not designed to operate like that. The 3 second tail was a late addition to the functionality to actually prevent the signal from falling out due to the spin of the satellite etc and the logic got a bit mixed-up. Somehow we did not pick it up with all the pre-flight tests.

We are investigating possible solutions to try and fix the problem.
.....
.....

73 John. <la2qaa@amsat.org>

2961. Re: [eu-amsat] A Sumbandila fault.

Yahoo group: eu-amsat
Date: 2009-11-23 17:52:55 UTC
From: Eric Knaps, ON4HF
Topic: 2960 Message: 2961

Thanks for letting us know. Why not switch off the pl tone for the
uplink like AO-51?

73,
Eric -- ON4HF

Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

John Hackett schreef:
>
> >From the YAHOO Sumbandila Grroup
> .....
.....
>
> Re. the 3 second tail of AO-67
>
> The problem with the 3 second drop-out is a bug in the firmware and
> the satellite was not designed to operate like that. The 3 second tail
> was a late addition to the functionality to actually prevent the
> signal from falling out due to the spin of the satellite etc and the
> logic got a bit mixed-up. Somehow we did not pick it up with all the
> pre-flight tests.
>
> We are investigating possible solutions to try and fix the problem.
> .....
.....
>
> 73 John. <la2qaa@...>
>
>
>
>

2962. Re: [eu-amsat] A Sumbandila fault.

Yahoo group: eu-amsat
Date: 2009-11-23 17:54:23 UTC
From: Eric Knaps, ON4HF
Topic: 2960 Message: 2962

Or...now that I think of it, it maybe has nothing to do with the pl tone
needed for uplink...

Eric.

Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

http://www.on4hf.be

John Hackett schreef:
>
> >From the YAHOO Sumbandila Grroup
> .....
.....
>
> Re. the 3 second tail of AO-67
>
> The problem with the 3 second drop-out is a bug in the firmware and
> the satellite was not designed to operate like that. The 3 second tail
> was a late addition to the functionality to actually prevent the
> signal from falling out due to the spin of the satellite etc and the
> logic got a bit mixed-up. Somehow we did not pick it up with all the
> pre-flight tests.
>
> We are investigating possible solutions to try and fix the problem.
> .....
.....
>
> 73 John. <la2qaa@...>
>
>
>
>

2963. Future scheduling of SO-67

Yahoo group: eu-amsat
Date: 2009-11-23 18:25:11 UTC
From: John Hackett
Topic: 2963 Message: 2963

Keeping people in the loop.

73 John. <la2qaa@...>

Subject: [Sumbandila: 210] Future scheduling of SO-67
Date: Mon, 23 Nov 2009 14:34:41 +0200
From: jan.koekemoer@...
To: amsat-bb@...
CC: sumbandila@...

Hello

Given that the SA-AMSAT payload on SO-67 is shared with the satellite back-up TT&C transponder, there is unfortunately not a way to keep the payload switched on permanently, or even semi-permanently. For the lifetime of the satellite we will therefore have to do with active scheduling.

In an effort to make this as painless as possible, I would like to request comments on the possible use of regional coordinators, which I believe worked quite well for SO-35. Such coordinators would then be responsible for setting up schedules in advance for their specific regions, taking into account obviously the pool of possible satellite passes, as well as local events / fairs etc. We would then simply load the schedules on a weekly basis.

Up ‘till now I have mainly focused on Europe, RSA, South America, North America / Canada, Japan and Australia / NZ. I would like to invite suggestions for use of the payload over other regions as well. This adds to the previous point.

Regarding possible activation at night: this is entirely possible, but would have to be planned / managed more actively, given the power limitations in eclipse. We have yet to experiment with this and see what the available capacity would be.

Please mail responses to this bulletin board, or if you prefer, to my work address: jak “at” sunspace “dot” co “dot” za

Best regards

Jan-Albert (ZR1JAK)

E-mail Disclaimer
http://www.sunspace.co.za/emaildisclaimer.htm

2964. A letter to myself...

Yahoo group: eu-amsat
Date: 2009-11-26 10:21:51 UTC
From: Luc Leblanc
Topic: 2964 Message: 2964

On 25 Nov 2009 at 23:50, Bob- W7LRD wrote:

Date sent: Wed, 25 Nov 2009 23:50:37 +0000 (UTC)
From: Bob- W7LRD <w7lrd@...>
Subject: [amsat-bb] Iceland!!
To: amsat-bb@...

>
>
> Hello all AO-7 fans
>
> I just recently worked Ari-TF3ARI. After several emails and a few false starts we connected on old AO-7.
The footprint from TF will cover most of the U.S.! Another good reason to get on old AO-7!
> I'm sure he will eventually get to meet most of the "regulars".
>
>
>
> 73 Bob W7LRD
> Washington State AMSAT area coordinator
>
Hi Bob

i'm asking myself a couple of questions that i will share with you all.

We can all deduct from your experience that a higher orbit increased the earth footprint. Adding more and more low orbit sat will not help
any US continental operator to extend their contact zone beyond North America condemning them to continental QSO'S.

When AMSAT-NA Says "We're Going Back to Space to add to the popular low-earth orbit FM transponder fleet" are they misleading their
membership or are they using the wrong words? as the definition of "popular" is something favoured by an individual or limited group does
not implies it is so popular for the vast majority of another group.

If this "Going back to space" is only mean "allowing hams to continue to use their existing handheld and portable antenna systems"
regardless of their communication range. It should also be stated clearly. As it was written on the AMSAT-NA web page "This also continues
the accessible entry path for new satellite operators to get started." it should also be clearly stated it will be not only an accessible
entry path but the only one path for them condemning them in an "entry class" forever when they are used to world-wide contacts on HF and
or DSTAR.

If the attraction pole is only focused on an entry class satellite and on the the replacement of the existing FM satellites fleet who are
starting to show their age. can we say it is a poor man choice? Yes it's fun to chase grids and roving along the roads making them
available but fox hunting can be as rewarded too as geo caching is! What is the next step after the "entry class"? The void?

Any short term vision can only lead to short term endeavour, it's a way to buy some time making by analogy a bunch of people playing in
their small backyard where there is only one 2 places swing set. It is a disaster recipe in a small backyard full of children developing
more frustration than the playing benefits. Can we extend this analogy to this "Going back to space" IMHO a bad choice of words.

Again it is only my own questioning triggered by an already existing world-wide class satellite project called P3E. There is no mention of
it in this AMSAT-NA going back to space new deal as if they are in a closed shell or as they are shrinking on themselves. It is a sign of
the time it is so nice in our lazy boy the easy way some will probably says the only one way depending of their state on mind and will.

BAD WORDS CHOICES...

Speaking of bad words choices what about the new Ham Antenna Installed on the ISS Columbus Module quote "Lou congratulated the team, "This
is an example of what can be achieved by volunteer hams working closely with a space agency. This antenna project was funded entirely by
AMSAT-NA"

That's fine but i remember sending some $$ in 2007 as donations where urgently Needed to Get ISS Columbus Module Amateur Radio-Ready. At
the time they called for money quote "The total project cost is 80,000 Euros (approximately $106,500). Amateur Radio on the International
Space Station (ARISS) Vice Chairman Gaston Bertels, ON4WF, says a payment of 9000 Euros (approximately $12,000) is due this month. ARISS-
Europe remains 4000 Euros (approximately $5330) shy of that goal, however, and time is short to have it in place.

You can read the whole article on: http://www.arrl.org/news/stories/2007/03/21/100/?nc=1

A bank account was also open:

"Bank Account Established

AMSAT-Belgium has set up a bank account to receive donations toward equipping the module with the necessary ham radio antennas. "

Is the money goes into the bit bucket? How someone representing ARISS can say "This antenna project was funded entirely by AMSAT-NA" An
explanation is in order here by the writer or by some official in the ARISS group? Again it's not a question about misleading the crowds
but a question of basic plain honesty... ARISS is an international funded group if one of their members wants to get all the credit fine
but a minimal amount of respect should not be mandatory to have a leading position at

ARISS?

I already wrote on the same subject but ARISS or AMSAT-NA remain strangely silent even if i posted the text on AMSAT-EU satellite group a
loud silence remain on this subject. Could be some are sleeping on the switch could be this jolt will awaken them?

In short WHERE MY MONEY GOES? the amateur satellite community is asking for money in a constant and quite aggressive way some times is it
too much asking to know what they do with theses donations? as someone in US says only AMSAT-NA is paying for the antennas!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2965. Re: [sarex] A letter to myself...

Yahoo group: eu-amsat
Date: 2009-11-26 22:57:46 UTC
From: Luc Leblanc
Topic: 2965 Message: 2965

On 26 Nov 2009 at 15:28, Louis McFadin wrote:

My commenting in the text Louis

> Luc,
> The ARISS VHF/UHF antennas were funded entirely by AMSAT-NA and some volunteers. Would you you like to join the ranks of those who contributed? If so you know how to contact Martha.

I already contribute in 2007 you can check the whole donator's list at:
http://www.ariss-eu.org/donations.htm

Jim Jerzycke 47,70
Luc Leblanc VE2DWE 18,87
Paul Lenhar II 18,87

> What are you implying here?

Nothing else to try to understand where my money was used for before send any more monetary contribution to ARISS or to any other group
including AMSAT-NA.

> Of course you seemed to miss the part about the V and U antennas and the "and volunteers" as opposed to the L& S antennas which were a separate project conducted by the ARISS Europe team.

It is why i want to get explanations read this article from ARISS europe:
http://www.ariss-eu.org/columbus.htm

Especially theses parts:

it was agreed to work on UHF, L-band and S-band antennas, VHF being too large to accommodate on the Meteorite Debris Panels (MDP) which
protect Columbus ´ hull.
_____

"September 25 th, 2007 ARISS 41-42-43 antennas were successfully submitted to vibrations tests in Germany and ESA decided installation on
Columbus .

October 9 th and 10 th ,2007 ARISS 41 and ARISS 43 were installed on Columbus in the high bay of the Kennedy Space Center . October 12 th
the electrical properties of cables and antennas have been tested and validated.

In the week of October 15, qualification antenna ARISS 42 was successfully submitted to thermal tests in vacuum chamber in the Netherlands
.

ARISS 42 will also be submitted to detailed efficiency tests to determine the precise electromagnetic characteristics of the antennas.

Since September 2005, the Columbus working group has met 17 times per teleconference. These meetings will now intensify in order to
finalize the project for the onboard ARISS equipment. The intention is to build a wideband transponder, L-band uplink, S-band downlink.
Moreover, digital ATV is also thought of. Anyway, among many other aspects, equipment volume, weight, power consumption and heat budget are
to be discussed with ESA and EADS."

> The L & S antennas were especially difficult since they had to withstand the launch environment of the Shuttle payload bay. I think the > >ARISS Europe team overcame very difficult obstacles including
>technical and financial. They are to be commended for their work and tenacity.

Correct me if i'm wrong Louis with this new U/V antenna there is already an L/S antenna installed on Columbus by ARISS-EU? As there is
actually another set of U/V antenna installed long ago on ISS and serving for packet and ARISS contact sessions and for the cross band
repeater? The former ARISS-EU antenna project was abandoned due to various factor and remain on Columbus the L/S antennas and the last U/V
installed this week?

>The operative thing here is performance and achievement rather than talk.

That's AMSAT-NA old rhetoric again Louis just start to set aside this close mentality where as soon as someone is asking for explanations
he's only getting harsh commenting and aggressive answers. If you feel threaten by what i wrote you are probably aware of facts that i'm
not aware of...

From an outsider it look's like as any ARISS group is working on projects at will without any coordination as you wrote "as opposed to the
L& S antennas which were a separate project conducted by the ARISS Europe team." Is there any way to have someone in charge in ARISS lets
say a chief or a captain who can just make's us understand how things are working at ARISS? Not you as you seems to managed the US ARISS
hardware only!

> What are you implying here? You asked!

Why not adding theses line on the AMSAT-NA web page "ARISS Europe team overcame very difficult obstacles including
technical and financial. They are to be commended for their work and tenacity" failing to do so at the first place just make's ARISS look
like a body with no heads where each members are competing instead of cooperating.

On your AMSAT web page text you wrote "This antenna project was funded entirely by AMSAT-NA and volunteers" and "who built the antennas for
both an ESA experiment and for ARISS" The ESA experiment is i guess the AIS antenna but not a single word about the ARISS-EU work, It came
out only after i post my text...

> What are you implying here? You asked!

This

ARISS is an international funded group if one of their members wants to get all the credit fine
but a minimal amount of respect should not be mandatory to have a leading position at ARISS?

I understand you are the ARISS US hardware manager who is working on the ESA Columbus module amateur radio antenna. ARISS-EU was asking
for money in 2007 what i want to know is "In short WHERE MY MONEY GOES? is it too much asking to know what ARISS do with theses donations"?

If it goes in the bit bucket just confirm it! At least they pioneering the actual ARISS-US work in some sort. Why don't mentioning there
works first in your text? Even if their money was going in the bit bucket those in this list : http://www.ariss-eu.org/donations.htm should
probably be concern with your commenting "operative thing here is performance and achievement rather than talk" They finally just give
money on a project they believe in...

I wrote in my previous post:

"There is no mention of it in this AMSAT-NA going back to space new deal as if they are in a closed shell or
as they are shrinking on themselves. It is a sign of the time"

Should i conclude this trend is now extending to ARISS? Just for the sake of clarity ARISS in not supposed to mean :Amateur Radio
INTERNATIONAL space station?

Who is speaking for the head? YOU?

How AMSAT-NA or ARISS will be able to ask for money AGAIN when nobody is able to justify the donations made by some international amateur
radio operators and groups.

If you speak for all the international ARISS group it's fine to used ARISS but here "The new ARISS antenna is very similar to the antennas
already on the Russian service module" could be "new ARISS US" will a better CHOICE OF WORDS?

If you still don't get it just put some of your sentences back to back:

ARISS US Hardware Manager....This antenna project was funded entirely by AMSAT-NA and volunteers....The new ARISS antenna is very
similar...

Not a single word on ARISS-EU...btw

> What are you implying here? You asked!....

Correct me if i'm wrong when i say BAD WORDS CHOICES...

P.S. The devil is in the details.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2966. Re: [sarex] Re: A letter to myself...

Yahoo group: eu-amsat
Date: 2009-11-26 23:58:43 UTC
From: Thomas Frey
Topic: 2966 Message: 2966

Luc and Lou

I "heard" that the ATV experiment, for which the L/S antennas was built, died
concerning a discordancy of two ATV groups. The one liked to have analogue ATV,
the other group liked to have DATV. But this could be a rumour.

As you know, without informations there will rumours float around.

Louis McFadin schrieb:
> Luc,
> The ARISS VHF/UHF antennas were funded entirely by AMSAT-NA and some volunteers. Would you you like to join the ranks of those who contributed? If so you know how to contact Martha.
> What are you implying here?
> Of course you seemed to miss the part about the V and U antennas and the "and volunteers" as opposed to the L& S antennas which were a separate project conducted by the ARISS Europe team. The L& S antennas were especially difficult since they had to withstand the launch environment of the Shuttle payload bay. I think the ARISS Europe team overcame very difficult obstacles including technical and financial. They are to be commended for their work and tenacity. The operative thing here is performance and achievement rather than talk.
>
>
>
> On Nov 26, 2009, at 5:21 AM, Luc Leblanc wrote:
>
>
>> On 25 Nov 2009 at 23:50, Bob- W7LRD wrote:
>>
>> Date sent: Wed, 25 Nov 2009 23:50:37 +0000 (UTC)
>> From: Bob- W7LRD<w7lrd@...>
>> Subject: [amsat-bb] Iceland!!
>> To: amsat-bb@...
>>
>>
>>>
>>> Hello all AO-7 fans
>>>
>>> I just recently worked Ari-TF3ARI. After several emails and a few false starts we connected on old AO-7.
>>>
>> The footprint from TF will cover most of the U.S.! Another good reason to get on old AO-7!
>>

>>> I'm sure he will eventually get to meet most of the "regulars".
>>>
>>>
>>>
>>> 73 Bob W7LRD
>>> Washington State AMSAT area coordinator
>>>
>>>
>> Hi Bob
>>
>> i'm asking myself a couple of questions that i will share with you all.
>>
>> We can all deduct from your experience that a higher orbit increased the earth footprint. Adding more and more low orbit sat will not help
>> any US continental operator to extend their contact zone beyond North America condemning them to continental QSO'S.
>>
>> When AMSAT-NA Says "We're Going Back to Space to add to the popular low-earth orbit FM transponder fleet" are they misleading their
>> membership or are they using the wrong words? as the definition of "popular" is something favoured by an individual or limited group does
>> not implies it is so popular for the vast majority of another group.
>>
>> If this "Going back to space" is only mean "allowing hams to continue to use their existing handheld and portable antenna systems"
>> regardless of their communication range. It should also be stated clearly. As it was written on the AMSAT-NA web page "This also continues
>> the accessible entry path for new satellite operators to get started." it should also be clearly stated it will be not only an accessible
>> entry path but the only one path for them condemning them in an "entry class" forever when they are used to world-wide contacts on HF and
>> or DSTAR.
>>
>> If the attraction pole is only focused on an entry class satellite and on the the replacement of the existing FM satellites fleet who are
>> starting to show their age. can we say it is a poor man choice? Yes it's fun to chase grids and roving along the roads making them
>> available but fox hunting can be as rewarded too as geo caching is! What is the next step after the "entry class"? The void?
>>
>> Any short term vision can only lead to short term endeavour, it's a way to buy some time making by analogy a bunch of people playing in
>> their small backyard where there is only one 2 places swing set. It is a disaster recipe in a small backyard full of children developing
>> more frustration than the playing benefits. Can we extend this analogy to this "Going back to space" IMHO a bad choice of words.
>>
>> Again it is only my own questioning triggered by an already existing world-wide class satellite project called P3E. There is no mention of
>> it in this AMSAT-NA going back to space new deal as if they are in a closed shell or as

they are shrinking on themselves. It is a sign of
>> the time it is so nice in our lazy boy the easy way some will probably says the only one way depending of their state on mind and will.
>>
>> BAD WORDS CHOICES...
>>
>> Speaking of bad words choices what about the new Ham Antenna Installed on the ISS Columbus Module quote "Lou congratulated the team, "This
>> is an example of what can be achieved by volunteer hams working closely with a space agency. This antenna project was funded entirely by
>> AMSAT-NA"
>>
>> That's fine but i remember sending some $$ in 2007 as donations where urgently Needed to Get ISS Columbus Module Amateur Radio-Ready. At
>> the time they called for money quote "The total project cost is 80,000 Euros (approximately $106,500). Amateur Radio on the International
>> Space Station (ARISS) Vice Chairman Gaston Bertels, ON4WF, says a payment of 9000 Euros (approximately $12,000) is due this month. ARISS-
>> Europe remains 4000 Euros (approximately $5330) shy of that goal, however, and time is short to have it in place.
>>
>> You can read the whole article on:
http://www.arrl.org/news/stories/2007/03/21/100/?nc=1
>>
>>
>> A bank account was also open:
>>
>> "Bank Account Established
>>
>> AMSAT-Belgium has set up a bank account to receive donations toward equipping the module with the necessary ham radio antennas. "
>>
>> Is the money goes into the bit bucket? How someone representing ARISS can say "This antenna project was funded entirely by AMSAT-NA" An
>> explanation is in order here by the writer or by some official in the ARISS group? Again it's not a question about misleading the crowds
>> but a question of basic plain honesty... ARISS is an international funded group if one of their members wants to get all the credit fine
>> but a minimal amount of respect should not be mandatory to have a leading position at ARISS?
>>
>>
>> I already wrote on the same subject but ARISS or AMSAT-NA remain strangely silent even if i posted the text on AMSAT-EU satellite group a
>> loud silence remain on this subject. Could be some are sleeping on the switch could be this jolt will awaken them?
>>
>> In short WHERE MY MONEY GOES? the amateur satellite community is asking for money in a constant and quite aggressive way some times is it
>> too much asking to know what they do with theses donations? as someone in US says only AMSAT-NA is paying for the antennas!!!

>>
>>
>>
>>
>> "-"
>>
>>
>> Luc Leblanc VE2DWE
>> Skype VE2DWE
>> www.qsl.net/ve2dwe
>> DSTAR urcall VE2DWE
>> WAC BASIC CW PHONE SATELLITE
>>
>>
>>
>> ----
>> Sent via sarex@.... Opinions expressed are those of the author.
>> Not an AMSAT member? Join now to support the amateur satellite program!
>> Subscription settings: http://amsat.org/mailman/listinfo/sarex
>>
>
>
> Lou McFadin
> W5DID
> ARISS US Hardware manager
>
>
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> Not an AMSAT member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/sarex
>
>

--

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2967. A point to ponder ...

Yahoo group: eu-amsat
Date: 2009-11-27 10:12:02 UTC
From: John Hackett
Topic: 2967 Message: 2967

If it walks like a duck, smells like a duck and quacks like a duck there's a very good chance that it is a ..... duck !!.

Or ...

As William Shakespeare said ...

"Me'thinks thou doest protest too loud my Prince" ...

2968. Re: [sarex] Re: A letter to myself...

Yahoo group: eu-amsat
Date: 2009-11-27 12:46:21 UTC
From: Thomas Frey
Topic: 2966 Message: 2968

Lou McFadin schrieb:
> That is definately a rumour. It simply hasn't Been decided yet. The
> next project which is in the works is to make arrangements for power
> for whatever is decided upon.
>
>
> Sent from my iPhone
>

This power project is needed for the Ericsson HTs, I think and not for a ARISS-EU project. If this is definitely a rumour, I hope with Luc, that we will be informed about the status of the EU-project from anyone in the ARISS-EU-group.

But I'm hopeless, probably we would never hear anything in the S-Band from the Columbus-module.

> On Nov 26, 2009, at 17:58, Thomas Frey <th.frey@...> wrote:
>
>> Luc and Lou
>>
>> I "heard" that the ATV experiment, for which the L/S antennas was
>> built, died
>> concerning a discordancy of two ATV groups. The one liked to have
>> analogue ATV,
>> the other group liked to have DATV. But this could be a rumour.
>>
>> As you know, without informations there will rumours float around.
>>
> [snip ... snip]

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2969. Re: [amsat-bb] SO-67 28Nov2009 1340-1345z

Yahoo group: eu-amsat
Date: 2009-11-28 14:00:45 UTC
From: Luc Leblanc
Topic: 2969 Message: 2969

On 28 Nov 2009 at 8:54, John Papay wrote:

Date sent: Sat, 28 Nov 2009 08:54:06 -0500
From: John Papay <john@...>
Subject: [amsat-bb] SO-67 28Nov2009 1340-1345z
To: amsat-bb@...

> SO-67 was not heard over the eastern USA as
> scheduled. It could be that there was a problem
> with my receiver but it was working on the earlier
> AO-51 pass. Did anyone else hear SO-67 this morning?
>
> 73,
> John K8YSE
>

Just check the time are now in UTC instead if SAT missed a couple of pass due to this.
Always used UTC when giving schedule time for any
satllite related events. That's what UTC has been made for.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2970. Re: [amsat-bb] SO67 29-nov-2009 09:33 CEST

Yahoo group: eu-amsat
Date: 2009-11-29 11:06:54 UTC
From: Luc Leblanc
Topic: 2970 Message: 2970

On 29 Nov 2009 at 10:12, PE0SAT wrote:

Date sent: Sun, 29 Nov 2009 10:12:27 +0100
From: PE0SAT <pe0sat@...>
Subject: [amsat-bb] SO67 29-nov-2009 09:33 CEST
To: AMSAT-BB@...
Send reply to: pe0sat@...

>
>
>
> http://www.ham.vgnet.nl/downloads/SO-67-29-nov-2009-0933CEST.mp3
>
> Here a audio file from the pass over europe this morning. The file is
> 5.640Kb in size. (29-nov-2009 09:33 CEST)
>
> If you've listened to this file, maybe you can come to the conclusion that
> using the satellite in a different way would make the change of making a
> connection more likely?
>
> 73's PE0SAT
>

Hi Jan

It look likes a bit better than what we can hear here...Main problem station overdeviated and out of uplink frequency could be some cannot
read instructions on AMSAT-SA web page could be a translation in a couple of language will be helpfull? Just in case someone does not get
theses instructions yet here is the link:

http://www.amsatsa.org.za/index.htm

As the signal is very strong could be many stations are trying to get in with less than marginal uplink equipment and the floor/QRM noise
is probably due to this?

The instruction to follow:

The CTCSS tone for the transponder is 233.6 Hz.

Uplink: 145.875MHz
Downlink: 435.345MHz

Additional recommendations:
Use only narrow FM
Switch off compression

Speak softly (mic gain down)

In french:

Notes d'opérations pour SO-67

Fréquence en montée 145.875MHz
Fréquence en descente 435.345MHz

Recommendations supplémentaires:
une modulation FM à bande étroite
Ne pas utiliser de compression audio
Réduire le gain microphonique et parler en réduisant le volume de la voix

Italian

Note d' operazioni per SO-67
Frequenza in aumento 145.875MHz
Frequenza in discesa 435.345MHz

Recommendations supplementari:
una modulazione FM a banda stretta
Non utilizzare compressione audio
Ridurre il guadagno microfonico e parlare riducendo il volume della voce

Spanish

Notas d' operaciones para SO-67

Frecuencia en subida 145.875MHz
Frecuencia en pendiente 435.345MHz

Recommendations suplementarios:
una gradación FM a estrecha banda
No utilizar compresión audio
Reducir la ganancia microfónica y hablar reduciendo el volumen de la voz

Feal free to add and correct the above translations

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2971. News about XW-1 from ChinaAMSAT

Yahoo group: eu-amsat
Date: 2009-12-01 13:27:19 UTC
From: Thomas Frey
Topic: 2971 Message: 2971

A micro-satellite for amateur radio purposes is planned. Payload includes Telemetry Beacon,
Linear Transponder, FM repeater, Digital Store-forward Transponder. The operations will all
have 70cms downlinks and 2 metre uplinks. 1 watt output is planned for the transponder and
200mW for the beacon. The satellite is expected to have a mass of 50kgs and be launched from
China into a 100 deg inclination orbit with 1200km apogee. The launch is now planned for 20th
December 2009.
(http://www.amsat.org.uk/iaru/formal_detail.asp?serial=108)

Hello All, this will be a very nice Christmas gift, if the launch succeeds at the 20th December.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2972. RE: [eu-amsat] News about XW-1 from ChinaAMSAT

Yahoo group: eu-amsat
Date: 2009-12-01 13:42:57 UTC
From: Simon HB9DRV
Topic: 2971 Message: 2972

Yes, a very nice present from China. All I have to do is shake the snow off my antennas and just wait, maybe this new satellite will start on the 25th :)

With 1200km apogee it's not quite as high as AO-7 but much better than AO-51 and FO-29, so a very welcome addition.

Simon Brown
http://sdr-radio.com

> -----Original Message-----
> From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On
> Behalf Of Thomas Frey
>
> Hello All, this will be a very nice Christmas gift, if the launch
> succeeds
> at the 20th December.

2973. Re: [amsat-bb] Re: AO-40 status

Yahoo group: eu-amsat
Date: 2009-12-02 15:46:40 UTC
From: Luc Leblanc
Topic: 2973 Message: 2973

On 1 Dec 2009 at 23:50, Jeff Yanko wrote:

> Hi John,
>
> I would say it's pretty much dead. It's just the fact nobody wants to play
> taps. Many, including myself, would just love to have it magically
> re-appear and work like nothing ever happened. Unfortunately, I don't see
> this occuring. I can't seem to recall if there ever was an "official
> bulletin" indicating that AO-40 is indeed dead. If it hasn't, it should be,
> so we can focus on current and future projects.
>
>
> 73,
>
>
> Jeff WB3JFS
>
>
>
> ----- Original Message -----
> From: ""John Becker, WØJAB"" <w0jab@...>
> To: <amsat-bb@...>
> Sent: Tuesday, December 01, 2009 9:32 AM
> Subject: [amsat-bb] AO-40 status
>
>
> > Is there any thing going on with AO-40 such as a change
> > in it's status?
> >
> > It sure was fun working it.
> >
> > John, W0JAB

Is it possible to have the next satellite battery system wired in a way to bypass the batteries bank in the event of a failure of one cell
or multiples cells? This bypass will let the solar panel power flowing directly to the sat equipment. If such a system was feasible could
be AO-40 will be with us today? just note i wrote "could be"

DSTAR in Europe (UK)
I see plans afoot to allocate the top end of 144 MHz in the United Kingdom for GMSK (DV) linking (DSTAR) just hope it will not mixed up
with satellite band plan.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2974. Power ? !!

Yahoo group: eu-amsat
Date: 2009-12-04 08:27:32 UTC
From: st2nh
Topic: 2974 Message: 2974

Hi All

Off -Topic !!! - nice to see.

http://news.bbc.co.uk/2/hi/science/nature/8392451.stm

73,Nader

2975. Re: [eu-amsat] Power ? !!

Yahoo group: eu-amsat
Date: 2009-12-04 20:22:52 UTC
From: Marco IK1ODO
Topic: 2974 Message: 2975

At 09.27 04/12/2009, you wrote:
>
>
>Hi All
>
>Off -Topic !!! - nice to see.
>
><http://news.bbc.co.uk/2/hi/science/nature/8392451.stm>http://news.bbc.co.uk/2/hi/science/nature/8392451.stm
>
>73,Nader

Impressive.. thanks!
Fortunately we have no 8 kW electric showers in Italy... ;-)

73 - IK1ODO

2976. VE2SHW FM radio show back on the air

Yahoo group: eu-amsat
Date: 2009-12-06 11:51:33 UTC
From: Luc Leblanc
Topic: 2976 Message: 2976

From Radio HF newsletter. Sheldon is always looking for articles to add into his newsletter feel free to send him yours.

On a personal note this month, I would like to let everyone know that I am returning to the radio airwaves this month. Back in 1987, I created a weekly radio programme called "The International Radio Report" that began airing on CKUT-FM 90.3 MHz. from the campus of McGill University here in Montreal. For 17 years I co-hosted the show with Bill Westenhaver, presenting a weekly half-hour of news and information on the world of radio. When we gave up the show, two friends of ours, Janice and Steve Karlock stepped in to continue the show. The programme continues to air every Sunday morning, live, at 1530 UTC (10:30 am Eastern) on CKUT. It can also be heard live streaming and archived on the CKUT webpage at www.ckut.ca

Please feel free to submit any information for the Newsletter by e-mail to hfnewsletter@....

P.S. You can also subscribe to his newsletter.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2977. AO-51 report

Yahoo group: eu-amsat
Date: 2009-12-06 12:47:15 UTC
From: Luc Leblanc
Topic: 2977 Message: 2977

On the 1210 UTC last western pass i found similar signal but a steady 18 seconds (aprox) cycle one deep fade with a couple of small ones.
The western pass are usually not my best ones but i was able to work the satellite from AOS to LOS with some part of the pass with no
signal but i was able to hear something just at the noise floor.

It will be interresting to check the S and L band in this attitude reversal?

Rig here: Yaesu ft-847 with with KLM-14C VHF and 25 elements UHF K1FO style linear yagi plus RX Icom ag preamp
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2978. FM on linear satellites.

Yahoo group: eu-amsat
Date: 2009-12-06 21:03:12 UTC
From: John Hackett
Topic: 2978 Message: 2978

OBSERVATIONS FROM NORWAY. 0612091745Z

FM ON LINEAR SATELLITES (???).

The circuit diagram and picture for this project can be found at ... <http://www.observations.biz> Observations from Norway.

With the primary aim of encouraging FM satellite afficiondos to eventually upgrade to linear birds I decided to remind operators that it's perfectly feasable to use FM rigs to communicate via CW on a linear satellite, thereby allowing them to "get their feet wet" without buying a new rig..

As stated, this is perfectly feasable, providing two simple rules are applied.

1) *DON'T* use too much power ... you know !!! why.

2) Use a clean sine wave signal for the audio oscillator.

The old timers will remember keying the PTT of their FM rigs to send CW.

For the newcomer, this was called MCW - (modulated continuous wave) - that is to say, simple on/off keying by pressing the PTT.

A bit 'chirpy' but perfectly adequate for 'communicating' ... (a key word for 'amateurs').

It's obvious that those Hams who only own FM rigs are *NOT* going to run to the local emporium and purchase the latest all singing, all dancing multimode rig just to try to work CW.

Therefore, we need a way to acheave that using existing equipment.

The only 'extra' items to your normal FM handheld is an audio oscillator fed to the mic input and a reliable method to key the transmitter.

99.999% of today's FM handhelds (and scanners) also have the facility for copying AM signals.

I mention scanners in case, like me, you want to use your FM handheld to TX and tour scanner to RX, that is to say, full duplex ... though judging by the 'zoo' on the FM satellites, very few amateurs have understood the principle of full duplex.

Without delving too deep into the realms of the technology of 'How's' and 'Why's' the scenario is this ... The station who hears your CQ call, if he has his brain in the ON position will switch to CW and reply to you - (if he has his brain in the OFF position he'll mutter something like - "There's something wrong with that idiot's modulation").

Assuming he does reply to you in CW, his signal will be perfectly readable with 'YOUR' rig set to the AM position ... (think! before you speak).

You *WILL* be using your dual band FM handheld set to TX on 70cm FM and RX on 2m AM.

The doppler will change slightly more on VO-52 than on AO-7, due to orbital height but remember, most handhelds have about 10.000 - (ten thousand) - programmable memories these days ... (at least!).

Now !!!, at last, you've finally found a use for some of those memories.

Most operators are familiar why one should *NOT* use too much power - particularly on FM so I won't go there.

The other criteria is a 'clean' oscillator signal that is *NOT* a square wave - (that's the NE555 out, then). You don't !! want a signal that sounds like a regurgitating water buffalo.

The following is an explanation of the system I use - (see circuit diagram and pic).

The 'oscillator' is the audio output from a homebrew electronic keyer that is a clean sinewave. This is fed to the mic via an attenuator (if necessary) since FM rigs don't usually have an external mic gain control.

My IC-E92D is such that to TX, the barrel and the tip of a 2.5mm jack need to be shorted. I acheave this with a small relay mounted inside a 'scavenged' laptop computer power supply - (see pic).

To do the actual switching, I use the 'grounded' PTT signal from the keyer via a PNP transistor switch feeding an NPN relay driver. The PNP transistor also controls the relay's 'delay' via the RC time constant components to alleviate any relay 'chattering'.
The hold-in time can be adjusted with the 10k potentiometer.

The electronic key is built into a spice box purchased at the local hardware store.
The paddle is a pair of micro switches 'RIPPED* out of a joystick, albeit, not 'Bencher' class but perfectly adequate.

On high elevation passes it *IS* possible to work VO-52 with low power and a whip - (your rubber duck does *NOT* belong in this equasion) - so you can work portable CW with nothing more than a handheld FM rig, a keyer and a small box toted in a shoulder bag.

NB.
For aerial recommendations and amount of power etc see elsewhere in OBSERVATIONS.

You *DO* have a pair of headphones in your shoulder bag, right? ... silly question, of course !!! you do - AND !!! you know why, don't cha' ... (feedback).

A bit of *GUMPTION* is required to work low power CW using an FM rig on a LINEAR satellite but IMHO that's what amateur radio is all about ... communicating and experimenting.

Points to ponder.

After checking your dictionary - 'gumption' (Manchester slang) can be loosely translated into- 'operating proceeedure'.

Contrary to popular belief from some of the self-professed 'experts' - it is *NOT* forbidden to operate FM on a LINEAR transponder ... however, it should be obvious that one should definately *NOT* !!!! use 300 watts to a 10 element beam on FM ...

(As seems to be the case on AO-67 and AO-51).

C'mon !!! guys, I was kidding.

The whole object of the exercise here is to encourage people to try something different.
It's aimed at those who *CAN'T* afford to splat out 2 years income on
one of the latest, greatest rice boxes ... (like LA2QAA !!!).

I *KNOW* not everybody is a CW fan but in my opinion it takes a little bit of skill to use the mode, and therfore, is a lot more rewarding.

IMI barred - (repeat).

My opinion only , I do *NOT* ask anyone to agree with it. It's merely a suggestion.

Read ... digest ... even if you only mutter ... eejit!.

73 John. <la2qaa@...>

2979. A personal opinion.

Yahoo group: eu-amsat
Date: 2009-12-06 23:20:09 UTC
From: John Hackett
Topic: 2979 Message: 2979

Here follows a transcription of an FM voice QSO on AO-67 today.
.....

WB9ATU this is KN1AN, EC60FU over

WB9ATU Roger 73.
.....

now tell !!! me that you don't find that exchange both exhilarating and exciting.

An *EXCELLENT* use of satellite resources - showing the extreemly high technical competance of two radio amateurs.

Little wonder the general public perceive radeio amateurs as technologically advanced 'experimenters'.

A prime example of the usefulness of an FM signal via satellite ... (while blocking all other lower powered signals, of course).

Surely!, you'll now jump on the bandwaggon and agree with Amsat-NA that we need more of this kind of satellite to further 'education'.

(He means sell out, to give the great unwashed the opportunity of getting a few free points at the expense of Amateurs losing their once dedicated 2m band).

Seriously, is this the future of amateur satellite operating? ...

Unfortunately, the answer appears to be a concise yes.

73 John. <la2qaa@...>

2980. I'm busted....

Yahoo group: eu-amsat
Date: 2009-12-07 02:00:00 UTC
From: Luc Leblanc
Topic: 2980 Message: 2980

Thank's John for your recordings you ended up with the same conclusion i draw in a previous post eg:

From: Luc Leblanc <lucleblanc6@...>
To: amsat-bb@...
Subject: I found the twist on SO-67

"I will have to make further test but the twist is related to over deviation and trailing"

The "trailing" is the key word here and with the help of the capture effect and the full duplex and some practice you can managed this 3
sec affair without any golf club...

Lets say i'm busted by John... I'm not too convince this will help the nation but it will make's things more even for all of us
"the sinners" but just remember "let he without sin throw the first stone"

On 6 Dec 2009 at 16:44, John Papay wrote:

Date sent: Sun, 06 Dec 2009 16:44:46 -0500
From: John Papay <john@...>
Subject: [amsat-bb] SO-67 recordings North America 05-06Dec2009
To: amsat-bb@...

> you learn to take this into account, the bird is easier to
> work. Full duplex makes it much easier to work this bird
> since you can determine when you are in or out. You can
> hear an example by listening to VE2DWE. He transmits during
> the tail, but since he is full duplex he knows when the
> transmitter goes off and he unkeys and then keys and continues
> with his exchange.
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2981. Re: [eu-amsat] A personal opinion.

Yahoo group: eu-amsat
Date: 2009-12-07 03:05:20 UTC
From: Luc Leblanc
Topic: 2979 Message: 2981

On 7 Dec 2009 at 0:20, John Hackett wrote:

Date sent: Mon, 07 Dec 2009 00:20:09 +0100
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] A personal opinion.
To: eu-amsat@yahoogroups.com
Copies to: allan_gm1sxx@...
Send reply to: eu-amsat@yahoogroups.com

>
> Here follows a transcription of an FM voice QSO on AO-67 today.
> .....
.....
>
> WB9ATU this is KN1AN, EC60FU over
>
> WB9ATU Roger 73.
> .....
.....
>
> now tell !!! me that you don't find that exchange both exhilarating and exciting.
>
> An *EXCELLENT* use of satellite resources - showing the extreemly high technical
competance of two radio amateurs.

I ended up at "trailing" on my previous post...but you are 100% right but as i often use
the ridicule as a proving tool any sound human can
only reach the same conclusion.

I already wrote this:

"I will have to make further test but
the twist is related to over deviation and trailing
tail handling if it's confirm the twist is nasty... and can be only defeated by
strict rules of engagement that i strongly doubt it can be
achieved anytime soon on a one channel fm satellite."

Why using it you will ask? exactly the same answer sir Edmund Hillary give "why do you want
to climb this mountain? (answer) Just because
she is there"

Unfortunately we are in a poor man choice mode as HEO seems to be out of reach money
speaking but we are also very short will wise as they
are in a recovery mode. Poor man excuses P3E project is alive but they invoke ITAR as an
other way to try to avoid to support more P3E in
sending more money to them.

Bottom line there is two choice use it or not. Try to use a terrestrial CTCSS repeater with 50 operators at the same on a 10 minutes
period, you will ended up with the same results. Why not at least using a cw/ssb transponder? i already ask this question but i got no
answers as usual AMSAT-NA knows best...

AMSAT-NA with his entry class minding seems to have no future plans as they are focusing only on short term targets.

P.S. I was on a very low pass this early morning on SO-67 i was able to conduct an AOS to LOS QSO with only one station chatting at will.
If AMSAT-NA does not understand that an entry class satellite is made for only 2 stations at a time it will lead to even more new and old
AMSAT-NA members to get out and return back to HF or DSTAR.

I will not post this one on AMSAT-BB i feel it's best to let them cooked in the same pot. Water will boiled over sooner or later i just
hope it will not be too late...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2982. An analogy.

Yahoo group: eu-amsat
Date: 2009-12-07 14:57:06 UTC
From: John Hackett
Topic: 2982 Message: 2982

Luc,
You said ...

> Try to use a terrestial CTCSS repeater with 50
>operators at the same time in a 10 minute period ...

That's the best analogy I've ever heard to describe the 'zoo' - (why didn't I think of that).

Perhaps if more people considered that analogy, they might be able to understand things a bit better.

Many years ago (in the RS satellite era) I suggested Amsat-UK contact their various sister societies with a view to publishing a recommended operating proceedure for amateur satellites.

Unfortunately, my suggestion was completely ignored.

I still believe such a thing is needed.

... and before anybody says "Why don't you!!! publish one" ...

I have!, together with GM1SXX on the 'Observations' website at ...
<http://www@...> - donkey's ! years ago.

Well done! Luc, I hope people 'think' about your analogy.

73 John <la2qaa@...>

2983. Re: A personal opinion

Yahoo group: eu-amsat
Date: 2009-12-07 21:01:39 UTC
From: WILLIAMS MICHAEL
Topic: 2983 Message: 2983

John,

AO-7 has been transformed into an AO-51 in the U.S. on several occasions. All one has to do is uplink too much ERP, this makes the transponder usable only to the high power station and the station he is in QSO with. The remaining portions of the 100KHZ transponder is rendered useless.

As far as the present direction of AMSAT-NA, For the HEO, I've been a core donor and bronze donor in the past. I'm afraid AMSAT's new goals are not the same as mine. I'm not sure what I'm going to do.

Mike/K9QHO

2984. Re: [eu-amsat] Re: A personal opinion

Yahoo group: eu-amsat
Date: 2009-12-08 00:25:38 UTC
From: Thomas Frey
Topic: 2983 Message: 2984

WILLIAMS MICHAEL schrieb:
>
>
> John,
> AO-7 has been transformed into an AO-51 in the U.S. on several
> occasions. All one has to do is uplink too much ERP, this makes the
> transponder usable only to the high power station and the station he
> is in QSO with. The remaining portions of the 100KHZ transponder is
> rendered useless.
> As far as the present direction of AMSAT-NA, For the HEO, I've been a
> core donor and bronze donor in the past. I'm afraid AMSAT's new goals
> are not the same as mine. I'm not sure what I'm going to do.
> Mike/K9QHO
>
>
>

Hello Mike and group

The way AMSAT-NA is going is a real problem. They have the biggest organisation but looks not over their own border. They goes the easiest way with "Easy-Sats". Sorry Mike, but this is typically American.

We has to know, what do we want ? Only grid chasing ? Or do we want DX ? I for one want to make DX. The DX connections via the HEO satellites AO-10 and AO-13 were very interesting and successful. Real HAM radio. AO-40 with its low inclination was not possible to work on S-Band for me, I live near a hill. But AO-40 was for many OMs a success.

AMSAT-NA has buried their HEO project Eagle and want an 1U CubeSat with an "easy" FM-repeater. This is saying all to me.

We all have a choice, but we have to hit the right one. I'm a member from AMSAT-DL.

Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2985. Statistics.

Yahoo group: eu-amsat
Date: 2009-12-08 19:24:58 UTC
From: John Hackett
Topic: 2985 Message: 2985

Group,
We've now been a group for 5 years.

We are 167 members - on 5 continents - as of December 2009.

One or two were just 'passing through' but membership - entirely by word of mouth - has increased steadily. It's interesting to note that we've never advertised nor sought publicity.

The group has been and will remain FREE to all satellite enthusiasts. Formed primarily for radio amateurs in the summer of 2004 by LA2QAA, SV1BSX and GM1SXX, the group is now open to any serious satellite interested individual who applies for membership.

Applicants *ARE* screened - (to avoid SPAM).

The posting statistics for the first 5 years are as follows ...

2005 223 posts
2006 264 posts
2007 593 posts
2008 1042 posts
2009 769 posts ... and counting.

Thank you for your support.

LA2QAA & GM1SXX ... The EU-Amsat Group.

2986. Loosing the north!!!

Yahoo group: eu-amsat
Date: 2009-12-10 21:32:42 UTC
From: Luc Leblanc
Topic: 2986 Message: 2986

Again my Alfa Spid AZ rotor act again yesterday evening it loose his north setting as it is electronicly set with the control box. Very
easy to reset but in the middle of a snow storm (25cm) i was unable to find something to point the beam physically to the north.

At the same time there was an AO-51 pass i adjust the rotor to an estimated north and i follow the whole pass manually writing down the
real calculated azimuth and the one i got from a maximum signal swinging the rotor back an forth.

I make another pass doing the same operation to fined tuned my pointing and today on the 1549 EDT pass i was able to get the satelllite at
1 degrees AOS ans LOS!! signal was S7 most of the time and reaching S9 near TCA?

I don't know if AO-51 is still pointing towards the southern hemisphere but i notice only one deep fade and signal was much better than the
first attitude change days and i think he never was so strong?

I'm guessing my "scientific" previous north pointing was bad or my UHF beam is shooting not towards he point? I'm always using automatic AZ
tracking could be i was shooting aside of the target for a while...

Just try this on a pass could be you will be astonish too?

If AO-51 was returned back to his normal attitude i will have to reavaluate all of what i wrote above.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2987. AO-51 trasatlantic QSO possible now

Yahoo group: eu-amsat
Date: 2009-12-11 09:36:21 UTC
From: Luc Leblanc
Topic: 2987 Message: 2987

Each 3 days AO-51 footprint reach eastern NA and Europe. This "very early" morning pass here at 0855 UTC put in range of the east of North
America (me...at least): Northern Europe and most of Scandinavia. The next similar pass will be on Monday December 14 at 0837 UTC. This
pass will cover from a line starting at the South of Spain to the north border of Italy covering near the whole western European continent
UK as well Scandinavia will also be in range.

Signal on this morning low pass about 7 deg here was Q5 S6 to S7. If there is any takers i can set my alarm clock to be QRV next Monday
morning but i know it is a working day could be not the best pass to have a lot of stations but it is not a too bad thing considering the
limitation of a one channel sat.

Best time to have a look over the Atlantic from FN36KA.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2988. ARRL 10 Meter Contest and Satellites

Yahoo group: eu-amsat
Date: 2009-12-11 12:10:46 UTC
From: Thomas Frey
Topic: 2988 Message: 2988

Hello All

This may be interesting for all oldtimers:
http://www.arrl.org/arrlletter/index.html?issue=2009-12-10#toc07

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2989. Yubileyniy-2 ?

Yahoo group: eu-amsat
Date: 2009-12-13 17:15:33 UTC
From: st2nh
Topic: 2989 Message: 2989

Hi

I have found a new info about Yubileyniy-2. at Mika Wakita -JE9PEL website
---

http://www.ne.jp/asahi/hamradio/je9pel/xw1_yubi.htm

Yubileyniy-2 (RS-xx)The launch is now planned for 28 December 2009.

Payload: Gonets D1 M2 - M4, Yubileyniy 2
Launcher: Rokot Briz KM
Paunch Site: Plesetsk Cosmodrome, Russia
http://www.skyrocket.de/space/doc_sdat/yubileyniy.htm

----------avove link stats
The new satellite will feature communication equipment for amateur radio operators and will test new components of satellite avionics.

Any more info????

Fingers crossed at both hands, WX1 Yubileyniy-2

73;
Nader

www.st2nh.com

2990. Re: [eu-amsat] Yubileyniy-2 ?

Yahoo group: eu-amsat
Date: 2009-12-14 00:25:11 UTC
From: Thomas Frey
Topic: 2989 Message: 2990

st2nh schrieb:
> Hi
>
> I have found a new info about Yubileyniy-2. at Mika Wakita -JE9PEL website
> ---
>
> http://www.ne.jp/asahi/hamradio/je9pel/xw1_yubi.htm
>
> ---
>
> Yubileyniy-2 (RS-xx)The launch is now planned for 28 December 2009.
>
> Payload: Gonets D1 M2 - M4, Yubileyniy 2
> Launcher: Rokot Briz KM
> Paunch Site: Plesetsk Cosmodrome, Russia
> http://www.skyrocket.de/space/doc_sdat/yubileyniy.htm
>
> ----------avove link stats
> The new satellite will feature communication equipment for amateur radio operators and will test new components of satellite avionics.
>
>
> Any more info????
>

Hello Nader and group

I also "found" Mineo's site. It's not sure that Yubileiny-2 will have
a CW-beacon and a DOKA-B transponder. The last russian satellite with
a DOKA-B downlink is UGATUSAT on 435.4905 MHz FM (!).

On the site
http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102
you can find all russian satellites with DOKA-B, search for
"DOKA-Transponder"
> Fingers crossed at both hands, WX1 Yubileyniy-2
>

Yes, but only for XW-1. As I wrote before, we do not need more intruders
in the 435 MHz band.

>
> 73;
> Nader
>
> www.st2nh.com

>
>
>
>

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2991. Re: Yubileyniy-2 ?

Yahoo group: eu-amsat
Date: 2009-12-14 00:44:03 UTC
From: st2nh
Topic: 2989 Message: 2991

Hi Thomas and group

pardon me Thomas ,to late here to understand anything 3:30 am :-)
! DOKA what is it?

I'm beside the radio but all the HF is dead here! this is a good time for DX if we have a HEO sat, Specially if u have insomnia . :-(

GM

73'3
Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh schrieb:
> > Hi
> >
> > I have found a new info about Yubileyniy-2. at Mika Wakita -JE9PEL website
> > ---------------
> >
> > http://www.ne.jp/asahi/hamradio/je9pel/xw1_yubi.htm
> >
> > ---------------
> >
> > Yubileyniy-2 (RS-xx)The launch is now planned for 28 December 2009.
> >
> > Payload: Gonets D1 M2 - M4, Yubileyniy 2
> > Launcher: Rokot Briz KM
> > Paunch Site: Plesetsk Cosmodrome, Russia
> > http://www.skyrocket.de/space/doc_sdat/yubileyniy.htm
> >
> > -----------------avove link stats
> > The new satellite will feature communication equipment for amateur radio operators and will test new components of satellite avionics.
> >
> >
> > Any more info????
> >
>
> Hello Nader and group
>
> I also "found" Mineo's site. It's not sure that Yubileiny-2 will have
> a CW-beacon and a DOKA-B transponder. The last russian satellite with
> a DOKA-B downlink is UGATUSAT on 435.4905 MHz FM (!).
>

> On the site
> http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102
> you can find all russian satellites with DOKA-B, search for
> "DOKA-Transponder"
> > Fingers crossed at both hands, WX1 Yubileyniy-2
> >
>
> Yes, but only for XW-1. As I wrote before, we do not need more intruders
> in the 435 MHz band.
>
> >
> > 73;
> > Nader
> >
> > www.st2nh.com
> >
> >
> >
> >
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

2992. AO-51 not heard in V/S mode

Yahoo group: eu-amsat
Date: 2009-12-14 10:35:18 UTC
From: Luc Leblanc
Topic: 2992 Message: 2992

AO-51 was not heard on the V/S mode at the schedule time only the 9K6 telemetry is present?

Did anyone hear something on 2401.200mhz here nothing has been received yet and downconverter is working as i got the usual WI-FI pop pop
signals. Could be the attitude reversal killed the S band signal completely in the Northern hemisphere?

Command Team and Operations Group AO-51 News

December 14 - December 20
FM Repeater, V/S
Uplink: 145.880 MHz FM
Downlink: 2401.200 MHz FM.....not working

9k6 Telemetry, U
Downlink: 435.150 MHz 9k6 FM.....OK

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

2993. Re: [eu-amsat] Re: Yubileyniy-2 ?

Yahoo group: eu-amsat
Date: 2009-12-14 12:56:25 UTC
From: Thomas Frey
Topic: 2989 Message: 2993

st2nh schrieb:
> Hi Thomas and group
>
> pardon me Thomas ,to late here to understand anything 3:30 am :-)
> ! DOKA what is it?
>

Hello Nader

DOKA-B from N.E. Bauman University
(http://microsat.sm.bmstu.ru/eng/eindex.html)
is a control and information system to communicate directly with the
satellite-bus and has absolutely nothing to do with HAM radio. The
satellites
are not coordinated by IARU and are intruders. Here you can see a picture
from the module: http://www.iki.rssi.ru/kollibri/im10.gif

The following satellites carrying a DOKA-B system:

Mozhayets (RS-20) - status inactive
Mozhayets-4 (RS-22) - status active
Sinah-1 (RS-25) - status inactive
Yubileiny (RS-30) - status active
UGATUSAT - status active

The problem is that the DOKA-B system can only be heard if the satellite is
in view of a groundstation near Moscow or at Kaluga, Russia. See also the
mail from Andy, G0SFJ:
http://www.amsat.org/amsat/archive/amsat-bb/200806/msg00010.html .
When the satellite leaves the footprint of the command station it
switches to
the CW-beacon. Is the satellite then a HAM radio satellite ? I think NOT,
the CW-beacon may be an alibi.

> I'm beside the radio but all the HF is dead here! this is a good time for DX if we have a
HEO sat, Specially if u have insomnia . :-(
>
> GM
>
> 73'3
> Nader
>
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> st2nh schrieb:

>>
>>> Hi
>>>
>>> I have found a new info about Yubileyniy-2. at Mika Wakita -JE9PEL website
>>> ---------------
>>>
>>> http://www.ne.jp/asahi/hamradio/je9pel/xw1_yubi.htm
>>>
>>> ---------------
>>>
>>> Yubileyniy-2 (RS-xx)The launch is now planned for 28 December 2009.
>>>
>>> Payload: Gonets D1 M2 - M4, Yubileyniy 2
>>> Launcher: Rokot Briz KM
>>> Paunch Site: Plesetsk Cosmodrome, Russia
>>> http://www.skyrocket.de/space/doc_sdat/yubileyniy.htm
>>>
>>> -----------------avove link stats
>>> The new satellite will feature communication equipment for amateur radio operators and
will test new components of satellite avionics.
>>>
>>>
>>> Any more info????
>>>
>>>
>> Hello Nader and group
>>
>> I also "found" Mineo's site. It's not sure that Yubileiny-2 will have
>> a CW-beacon and a DOKA-B transponder. The last russian satellite with
>> a DOKA-B downlink is UGATUSAT on 435.4905 MHz FM (!).
>>
>> On the site
>> http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102
>> you can find all russian satellites with DOKA-B, search for
>> "DOKA-Transponder"
>>
>>> Fingers crossed at both hands, WX1 Yubileyniy-2
>>>
>>>
>> Yes, but only for XW-1. As I wrote before, we do not need more intruders
>> in the 435 MHz band.
>>
>>
>>> 73;
>>> Nader
>>>
>>> www.st2nh.com
>>>
>>>
>>>

>>>
>>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>> ----------
>>
>> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>> http://home.datacomm.ch/th.frey/
>>
>>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2994. Yubileyniy-2

Yahoo group: eu-amsat
Date: 2009-12-14 14:50:38 UTC
From: John Hackett
Topic: 2989 Message: 2994

Well Done! Thomas,
It appears that the message GM1SXX and myself have been promoting in the latter years is finally getting through.

(First noted by Commandert John Brannegan GM4IHJ in the 90's - and mirrored on OBSERVATIONS under 'Satgens' for a long! time now).

Let's be optimistic, another 200 years and even Amsat might get the message ... but I wouldn't advise holding your breath.

Actally, I'm rather surprised Amsat is not offering Oscar numbers to the commercial Russian satellites.

Did I say 'commercial' ... oops!, sorry, I meant AMATEUR !!! satellites. They *MUST* be amateur satellites if they transmit in the amateur band, right? ... right !!.

That they are no use to man nor beast (or amateurs) is of minor! consequence.

The universities can collect their telemetry free - all under the guise of 'education'. Just another 'tick-box' mentality step forward.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 14 Dec 2009 13:56:25 +0100
Subject: Re: [eu-amsat] Re: Yubileyniy-2 ?

st2nh schrieb:

> Hi Thomas and group

>

> pardon me Thomas ,to late here to understand anything 3:30 am :-)

> ! DOKA what is it?

>

Hello Nader

DOKA-B from N.E. Bauman University

(http://microsat.sm.bmstu.ru/eng/eindex.html)

is a control and information system to communicate directly with the

satellite-bus and has absolutely nothing to do with HAM radio. The

satellites

are not coordinated by IARU and are intruders. Here you can see a picture

from the module: http://www.iki.rssi.ru/kollibri/im10.gif

The following satellites carrying a DOKA-B system:

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Mozhayets-4 (RS-22) - status active

Sinah-1 (RS-25) - status inactive

Yubileiny (RS-30) - status active

UGATUSAT - status active

The problem is that the DOKA-B system can only be heard if the satellite is

in view of a groundstation near Moscow or at Kaluga, Russia. See also the

mail from Andy, G0SFJ:

http://www.amsat.org/amsat/archive/amsat-bb/200806/msg00010.html .

When the satellite leaves the footprint of the command station it

switches to

the CW-beacon. Is the satellite then a HAM radio satellite ? I think NOT,

the CW-beacon may be an alibi.

> I'm beside the radio but all the HF is dead here! this is a good time for DX if we have a HEO sat, Specially if u have insomnia . :-(

>

> GM

>

> 73'3

> Nader

>

>

> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:

>

>> st2nh schrieb:

>>

>>> Hi

>>>

>>> I have found a new info about Yubileyniy-2. at Mika Wakita -JE9PEL website

>>> ---------------

>>>

>>> http://www.ne.jp/asahi/hamradio/je9pel/xw1_yubi.htm

>>>

>>> ---------------

>>>

>>> Yubileyniy-2 (RS-xx)The launch is now planned for 28 December 2009.

>>>

>>> Payload: Gonets D1 M2 - M4, Yubileyniy 2

>>> Launcher: Rokot Briz KM

>>> Paunch Site: Plesetsk Cosmodrome, Russia

>>> http://www.skyrocket.de/space/doc_sdat/yubileyniy.htm

>>>

>>> -----------------avove link stats

>>> The new satellite will feature communication equipment for amateur radio operators and will test new components of satellite avionics.

>>>

>>>

>>> Any more info????

>>>

>>>

>> Hello Nader and group

>>

>> I also "found" Mineo's site. It's not sure that Yubileiny-2 will have

>> a CW-beacon and a DOKA-B transponder. The last russian satellite with

>> a DOKA-B downlink is UGATUSAT on 435.4905 MHz FM (!).

>>

>> On the site

>> http://www.amsat-dl.org//index.php?option=com_content&task=view&id=46&Itemid=102

>> you can find all russian satellites with DOKA-B, search for

>> "DOKA-Transponder"

>>

>>> Fingers crossed at both hands, WX1 Yubileyniy-2

>>>

>>>

>> Yes, but only for XW-1. As I wrote before, we do not need more intruders

>> in the 435 MHz band.

>>

>>

>>> 73;

>>> Nader

>>>

>>> www.st2nh.com

>>>

>>>

>>>

>>>

>>>

>> Mit freundlichen Grüssen, Regards, 73

>> Thomas Frey, HB9SKA

>> _____

>>

>> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

>> http://home.datacomm.ch/th.frey/

>>

>>

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

2995. Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-14 16:02:56 UTC
From: Al
Topic: 2995 Message: 2995

Hi,

Found the following on Reshetnev's website. Mainly targeted at Express-AM but also mentions Yubileiny and DOKA-B.

http://www.observations.biz/Reshetnev/Reshetnev_DOKA-B.pdf

I have the feeling we'll be hearing more of DOKA-B in future... probably the rather near future, with Yubileiny-2 and perhaps other craft using the DOKA-B. For reasons unknown, the Russians rarely ever seem to properly index web pages, so it can take a lot of 'digging' to find any information of interest.

73 Al.
GM1SXX
www.observations.biz

2996. Re: [eu-amsat] Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-14 17:23:11 UTC
From: Thomas Frey
Topic: 2995 Message: 2996

Al schrieb:
> Hi,
>
> Found the following on Reshetnev's website. Mainly targeted at Express-AM but also mentions Yubileiny and DOKA-B.
>
> http://www.observations.biz/Reshetnev/Reshetnev_DOKA-B.pdf
>
> I have the feeling we'll be hearing more of DOKA-B in future... probably the rather near future, with Yubileiny-2 and perhaps other craft using the DOKA-B. For reasons unknown, the Russians rarely ever seem to properly index web pages, so it can take a lot of 'digging' to find any information of interest.
>
> 73 Al.
> GM1SXX
> www.observations.biz
>
>
>

Hi Al and group

Very interesting is page 18 of this document. In the future we can forget all our V/U-transponder-sats, repeater and linear.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

2997. Re: Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-14 19:11:22 UTC
From: Al
Topic: 2995 Message: 2997

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Al schrieb:
> > Hi,
> >
> > Found the following on Reshetnev's website. Mainly targeted at Express-AM but also mentions Yubileiny and DOKA-B.
> >
> > http://www.observations.biz/Reshetnev/Reshetnev_DOKA-B.pdf
> >

>
> Hi Al and group
>
> Very interesting is page 18 of this document. In the future we can
> forget all our V/U-transponder-sats, repeater and linear.
>

Hi Group.

This is why I posted the item. Why do you think that a handful of individuals (myself included) have been complaining for many years about the takeover of the amateur satellite sub-bands by 'educational' and 'other' satellites.

My own view is simple.
My Rule1 (of1)
No amateur transponder onboard = NOT an amateur radio satellite.

AMSAT-NA see things differently. Got a downlink in the amateur bands? Welcome aboard... and here's an Oscar number just to confuse matters. Now two names (or three even) ... instead of one, so we all have to cross-reference simple names, to enjoy the downlink-only 'educational' telemetry.

But of course, the damage has already been done. We can't go backwards. The movers and shakers sold the show a long time ago. I can personally remember being told at the Univ. of Surrey Colloquium many years ago that AMSAT *had* to get involved with the education sector or there would be no future for the organisation. So, they did, and we are here today.

Clocks only go forwards (unless you are Doctor Who). Too late now. It's done. The best we can do is get used to it, just like PLT and other radio-intrusive things on the ground. As for IARU co-ordination... nice idea, but completely un-enforceable. Like it or not, YUBILEINY-2 is on it's way, perhaps this year.

On a positive note now. We may have the Chinese XW-1 to cheer us up a little at Christmas. I'm told it can even transpond. At least it may cheer up LA2QAA! Could even make me happier.

http://www.southgatearc.org/news/december2009/xw1_new_website.htm

Have a good holiday everyone.

73 Al.
GM1SXX

2998. XW-1 Merry Christmas !!!.

Yahoo group: eu-amsat
Date: 2009-12-15 09:54:10 UTC
From: John Hackett
Topic: 2998 Message: 2998

Group,
China's 1st ever amateur radio satelite XW-1 is in space now!

AMSAT China reports it was launched at about around 0230 UTC on
December 15, 2009. The beacon was received in Sanya after launch.

XW-1 was a secondary payload aboard the CZ-4C rocket from Taiyuan
Satellite Launch Center into a sun-synchronous orbit about 1200
kilometers high. The primary payload of this launch is the Yaogen-8
Remote Sensing Satellite.

The preliminary keplerian elements for the satellite are:

XW-1
1 99999U 09349.11987269 .00000000 00000-0 00000-0 0 00006
2 99999 100.4859 046.2958 0001760 147.4703 038.6343 13.15267150000017

The XW-1 communications payload includes a beacon and three cross
band transponders operating in FM, linear, and digital modes.
Here is a Spacecraft Summary:

Common Name: XW-1
Alternate Name: CAS-1
Satellite Type: Microsatellite
Launch Date: TBD
Launch Location: Taiyuan Satellite Launch Center of China
Launch Vehicle: CZ-2C(LM-2C) Rocket
Apogee: 1200km
Perigee: 1200km
Inclination: 105 degrees
Period: 109 minutes
Local time of descending node: 21:30
Weight: 50kg

Frequency Information

Mode V/U (J) FM Voice Repeater (30 dbm (1 w)):
Uplink: 145.8250 MHz FM, PL 67.0 Hz.
Downlink: 435.6750 MHz FM

Mode V/U (J) Linear Transponder (Inverting) (30 dbm (1 w)):
Uplink:145.9250 - 145.9750 MHz SSB/CW
Downlink:435.7650 - 435.7150 MHz SSB/CW

Mode V/U (J) PacSat BBS (30 dbm (1 w)):
Uplink:145.8250 MHz AFSK 1200 BPS
Downlink: 435.6750 MHz AFSK 1200 BPS

Mode Beacon (23 dbm (200mw)):
Downlink:435.7900 MHz CW

You can get XW-1 Telemetry Format at
http://www.amsat.org/amsat-new/satellites/documents/XW-1_Telemetry_Format.pdf

Details of the XW-1 satellite are available at:
http://www.camsat.cn/index.php?option=com_content&view=article&id=56&Itemid=67

[ANS thanks David Chen, BD5RV/4 and Alan Kung, BA1DU for the above information]
.....

73 John. <la2qaa@...>

2999. Re: [eu-amsat] XW-1 Merry Christmas !!!.

Yahoo group: eu-amsat
Date: 2009-12-15 11:20:32 UTC
From: Gennadi Klevtsov
Topic: 2998 Message: 2999

Hello, John.
Good news! Thanks for prompt information.
Several moths ago I stopped my satellite operation via FM repeaters in
the space by the reasons, which were discussed on this forum a lot.
This new linear transponder, probably, will help to restore
my interest to satellite communications.
Let's to wish him good health and long life.

Gennadi
ES1RF/ES3RF

You wrote 15.12.2009., 11:54:

> Group,
> China's 1st ever amateur radio satelite XW-1 is in space now!
>
> AMSAT China reports it was launched at about around 0230 UTC on
> December 15, 2009. The beacon was received in Sanya after launch.
>
> XW-1 was a secondary payload aboard the CZ-4C rocket from Taiyuan
> Satellite Launch Center into a sun-synchronous orbit about 1200
> kilometers high. The primary payload of this launch is the Yaogen-8
> Remote Sensing Satellite.
>
>
> [ANS thanks David Chen, BD5RV/4 and Alan Kung, BA1DU for the above information]
> ....

> 73 John. <la2qaa@...>
>

> __________ Information from ESET NOD32 Antivirus, version of virus
> signature database 4689 (20091215) __________

> The message was checked by ESET NOD32 Antivirus.

> http://www.esetnod32.ru

--
Sincerelly,
Gennadi mailto:genek@...

3000. Re: [eu-amsat] Re: Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-15 14:51:57 UTC
From: Thomas Frey
Topic: 2995 Message: 3000

Hello All

Yubileiny-2 was eventually heard between 12:58 and 13:05 from 435.794 thru 435.982 MHz in DOKA-B from Rolf, DK2ZF.

No comment about it :-(

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3001. AW: [eu-amsat] Re: Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-15 15:11:41 UTC
From: Mike Rupprecht
Topic: 2995 Message: 3001

Thomas,

launch date is December 28 : A Rockot booster to launch a Gonets-M No. 2 communications satellite, a pair of Russian military payloads and a Yubileiny-2 experimental spacecraft from Plesetsk.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Thomas Frey
Gesendet: Dienstag, 15. Dezember 2009 15:52
An: eu-amsat@yahoogroups.com
Betreff: Re: [eu-amsat] Re: Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Hello All

Yubileiny-2 was eventually heard between 12:58 and 13:05 from 435.794 thru 435.982 MHz in DOKA-B from Rolf, DK2ZF.

No comment about it :-(

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3002. Re: [eu-amsat] Re: Reshetnev, Express-AM, Russian birds, Yubileiny and DOKA-B

Yahoo group: eu-amsat
Date: 2009-12-15 17:29:52 UTC
From: Thomas Frey
Topic: 2995 Message: 3002

Mike Rupprecht schrieb:
>
>
> Thomas,
>
> launch date is December 28 : A Rockot booster to launch a Gonets-M No.
> 2 communications satellite, a pair of Russian military payloads and a
> Yubileiny-2 experimental spacecraft from Plesetsk.
>
> 73, Mike
>
> DK3WN
>

Ah Danke Mike

Anyway, I will observe today launched satellites for intruding
with DOKA-B. Only if we report such satellites, we get a very
little chance for a change. But if we accept it when they have
a CW-beacon, then we have lost our frequencies.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3003. Re: [amsat-bb] Other satellite?

Yahoo group: eu-amsat
Date: 2009-12-15 20:42:47 UTC
From: Luc Leblanc
Topic: 3003 Message: 3003

On 15 Dec 2009 at 15:21, Robert Bruninga wrote:

Date sent: Tue, 15 Dec 2009 15:21:12 -0500
From: Robert Bruninga <bruninga@...>
Subject: [amsat-bb] Other satellite?
To: amsat-bb@...
Send reply to: bruninga@...

> What is the other satellite I am hearing on XW-1's freq?
> A buzzing downlink.
> Both IO-26 and PO-28 are in view.
> Are they still emitting?
>
> Bob, WB4APR

Could be the SC polar orbiting sat? He was supposed to be launch around December 24 UTC (23 EDT)? i just remember to have read something on
the Kodiak launch site about a LEO sat but Google still return nothing.

Anyone having more details on this new sat launch will be welcome my google search does not report anything useful yet.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3004. USB to Serial adapter problem !

Yahoo group: eu-amsat
Date: 2009-12-16 20:40:00 UTC
From: st2nh
Topic: 3004 Message: 3004

HI all

I have a laptop with no serial port! . I got a USB to serial converter
Window installed it ok and stats the device is ready to be use.
I tested all the com ports in many softwares to key the radio througth the adapter ! yaaaah since 3 hours :-(
Noway to do this !!!!
On window manger properaty I found the new device location is 0(zero) ???? (Location 0 (USB to Serial).

OS = XP
Laptop prand = Fujitsu Siemens
Adapter = with no label but on window its name is USB human interface device.

Any help or advice !!and thanks in advance.

73's Nader

3005. Re: [eu-amsat] USB to Serial adapter problem !

Yahoo group: eu-amsat
Date: 2009-12-17 04:37:14 UTC
From: Nitin Muttin [VU3TYG]
Topic: 3004 Message: 3005

Nader,

There are many USB to Serial converters which do not work with Ham Radio applications. Try using the device with a powered USB hub or look out of USB to serial converters with the FTDI chipset which works great.

73's
Nitin
VU3TYG

--------- Original Message --------
From: eu-amsat@yahoogroups.com
To: eu-amsat@yahoogroups.com <eu-amsat@yahoogroups.com>
Subject: [eu-amsat] USB to Serial adapter problem !
Date: 12/15/09 11:45 PM"

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> HI all
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> I have a laptop with no serial port! . I got a USB to serial converter
> Window installed it ok and stats the device is ready to be use.
> I tested all the com ports in many softwares to key the radio througth the

adapter ! yaaaah since 3 hours :-(
> Noway to do this !!!!
> On window manger properaty I found the new device location is 0(zero) ????
(Location 0 (USB to Serial).
>
> OS = XP
> Laptop prand = Fujitsu Siemens
> Adapter = with no label but on window its name is USB human interface
device.
>
> Any help or advice !!and thanks in advance.
>
> 73's Nader
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3006. XW-1 on YouTube

Yahoo group: eu-amsat
Date: 2009-12-17 14:24:42 UTC
From: Thomas Frey
Topic: 3006 Message: 3006

http://www.youtube.com/watch?v=n4-0yuC4Sx4
http://www.youtube.com/watch?v=WwyTZT6JkC4
http://www.youtube.com/watch?v=KXck-pDt9Fg

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3007. Re: [amsat-bb] SO-67 schedule

Yahoo group: eu-amsat
Date: 2009-12-18 09:05:10 UTC
From: Luc Leblanc
Topic: 3007 Message: 3007

On 18 Dec 2009 at 9:33, Jan-Albert Koekemoer wrote:

Date sent: Fri, 18 Dec 2009 09:33:16 +0200
From: Jan-Albert Koekemoer <jan.koekemoer@...>
Subject: [amsat-bb] SO-67 schedule
To: amsat-bb@...
Copies to: sumbandila@...

> Hello
>
> I have received the following schedule from the various coordinators, which I
> intend to upload to the satellite. Here and there I had to ommit a pass
> since we have other activities scheduled for those times. Appologies for not
> grouping the times into different world regions, but unfortunately I don't
> have that info in front of me now.

If time is UTC here is SO-76 footprints from December 18 to 20

>
> Fri 18 Dec 2009
> 10:15...Mid South Atlantic/east South America
> 11:44...East South America
> 13:25...South America
> 19:39...Central Pacific/New Zeland
> 21:16...South west pacific/Australia New Zeland
> 22:34...Japan
>

Australia/New Zeland/South Africa/South Pole
> Sat 19 Dec 2009
> 00:06...Japan
> 00:24...Australia
> 01:43...Asia
> 07:56...Europe
> 11:05...Europe west
> 11:24...East South America
> 12:43...East North America
> 13:00...South America
> 14:20...East central NA
> 15:54...Central NA
> 17:26...West NA
> 18:58...North west NA
> 19:23...Central Pacific New Zeland
> 20:30...North Pole Alaska
> 20:54...Central Pacific New Zeland
> 22:05...North Pole/Alaska

> 23:39...North pole/Japan
>

> Sun 20 Dec 2009
> 00:03...Australia
> 01:13...North west Russia/North pole/Alaska/Japan
> 07:36...Europe
> 09:10...Europe/North Africa
> 10:44...West Europe
> 11:04...East South America
> 12:22...Mid Atlantic east NA
> 12:40...South America
> 13:59...East-central NA/ north South America
> 15:33...Central North America
> 17:06...Central-west NA
> 18:39...North west America
> 20:11...Alaska
> 21:44...Alaska
> 22:06...Australia/New Zeland
> 23:18...North west Russia/North pole/Alaska/Japan
> 23:41...Australia

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3009. Re: [eu-amsat] fw:INFO

Yahoo group: eu-amsat
Date: 2009-12-18 16:42:29 UTC
From: Thomas Frey
Topic: 3009 Message: 3009

Dimitrios Pallis schrieb:
>
>
> Εορταστική Προσφορές

This is not readable for us, Dear Dimitrios.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3010. (no subject)

Yahoo group: eu-amsat
Date: 2009-12-18 19:59:22 UTC
From: Dimitrios Pallis
Topic: 3010 Message: 3010

dear friends

i want to apologize for this spam email!!!
i had a virus problem to my computer!!!
i am sorry for this
see you on the birds!!

Dimitrios Pallis (JIMMY)

73 de SW1JGW

www.sw1jgw.com

Member of SX1DL Crew:
http://sx1dl.blogspot.com

_____
Hotmail: Trusted email with Microsoft’s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/177141664/direct/01/

3011. Re: [amsat-bb] XW-1 Schedule on Dec 19 Renew

Yahoo group: eu-amsat
Date: 2009-12-19 11:25:20 UTC
From: Luc Leblanc
Topic: 3011 Message: 3011

On 19 Dec 2009 at 8:55, Alan Kung wrote:

Date sent: Sat, 19 Dec 2009 08:55:10 +0800
From: Alan Kung <alankung@...>
Subject: [amsat-bb] XW-1 Schedule on Dec 19 Renew
To: amsat-bb@...
Send reply to: Alan Kung <alankung@...>

>
> XW-1 FM and digital store-forward transponder will work on Dec. 19 at
>
> On: 0124UTC
> Off: 0143UTC
>
> On: 1146UTC
> Off: 1206UTC
>
> 73
> Alan Kung, BA1DU
> XW-1 Project Manager

It is quite a nice christmas gift for the amateur satellite community who was offered by China. XW-1 will make possible transatlantic
contacts when he will be over central atlantic ocean. In North America the following grids will be in range for EU contacts: FM 27-28 FN
04-05-10-12. In my grid FN36 i will have a 5 deg elevation at max and it will be lower for the grids i mentioned.

Congratulations Alan and for all of your team. You are the proof that our amateur satellite future will be more and more internationally
driven XW-1 and SO-67 and all the other project in the making is and will only lead and guided the next satellite builders to redefined
their next steps.

Is a new HEO capabilities can emerge? i believe yes and it will probably come from unexpected new launchers sources.

The global world warming effect and the greenhouse gas effect will need new measurement tools. A strong pressure will be put on ways to
measure those greenhouse gas and satellite will be the ultimate tool. It is a new potential where amateur radio satellite builders can
exploit? At our local level here we use the emergency communication argument, with this global warming potential disastrous consequences at
an international scale the amateur radio community will have to shift the usual emergency communication focus towards emergency global
warming communications.

Satellite monitoring and international greenhouse gas space watch will represent a lot of new openings. The amateur radio satellite world-
wide network is able to handle a lot of data downlinks, data who can be transferred through internet at any point on the earth. APRS and
DPRS is already monitoring and sending weather reports from all over the world is a pollution index can also be transmitted aside of all
the other weather data parameters? What about a PC screen showing the global pollutants evolution on a day by day basis live data coming
and relayed by amateur radio satellite. The possibilities are endless will we be able to positioned ourselves accordingly???

Some will say it is fiction but what's it's call fiction today often became tomorrow reality.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3012. RE: [eu-amsat] Re: [amsat-bb] XW-1 Schedule on Dec 19 Renew

Yahoo group: eu-amsat
Date: 2009-12-19 11:35:37 UTC
From: John Hackett
Topic: 3011 Message: 3012

Good one! Luc,
The Russians have already been planning smaller satellites for some time now - for the very reason you mention.

Forward thinking Luc, good to see.

73 John.

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sat, 19 Dec 2009 06:25:20 -0500
Subject: [eu-amsat] Re: [amsat-bb] XW-1 Schedule on Dec 19 Renew

On 19 Dec 2009 at 8:55, Alan Kung wrote:

Date sent: Sat, 19 Dec 2009 08:55:10 +0800

From: Alan Kung <alankung@...>

Subject: [amsat-bb] XW-1 Schedule on Dec 19 Renew

To: amsat-bb@amsat.org

Send reply to: Alan Kung <alankung@...>

>

> XW-1 FM and digital store-forward transponder will work on Dec. 19 at

>

> On: 0124UTC

> Off: 0143UTC

>

> On: 1146UTC

> Off: 1206UTC

>

> 73

> Alan Kung, BA1DU

> XW-1 Project Manager

It is quite a nice christmas gift for the amateur satellite community who was offered by China. XW-1 will make possible transatlantic

contacts when he will be over central atlantic ocean. In North America the following grids will be in range for EU contacts: FM 27-28 FN

04-05-10-12. In my grid FN36 i will have a 5 deg elevation at max and it will be lower for the grids i mentioned.

Congratulations Alan and for all of your team. You are the proof that our amateur satellite future will be more and more internationally

driven XW-1 and SO-67 and all the other project in the making is and will only lead and guided the next satellite builders to redefined

their next steps.

Is a new HEO capabilities can emerge? i believe yes and it will probably come from unexpected new launchers sources.

The global world warming effect and the greenhouse gas effect will need new measurement tools. A strong pressure will be put on ways to

measure those greenhouse gas and satellite will be the ultimate tool. It is a new potential where amateur radio satellite builders can

exploit? At our local level here we use the emergency communication argument, with this global warming potential disastrous consequences at

an international scale the amateur radio community will have to shift the usual emergency communication focus towards emergency global

warming communications.

Satellite monitoring and international greenhouse gas space watch will represent a lot of new openings. The amateur radio satellite world-

wide network is able to handle a lot of data downlinks, data who can be transferred through internet at any point on the earth. APRS and

DPRS is already monitoring and sending weather reports from all over the world is a pollution index can also be transmitted aside of all

the other weather data parameters? What about a PC screen showing the global pollutants evolution on a day by day basis live data coming

and relayed by amateur radio satellite. The possibilities are endless will we be able to positioned ourselves accordingly???

Some will say it is fiction but what's it's call fiction today often became tomorrow reality.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

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DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3013. Accidental Spam.

Yahoo group: eu-amsat
Date: 2009-12-19 13:34:33 UTC
From: Al
Topic: 3010 Message: 3013

--- In eu-amsat@yahoogroups.com, Dimitrios Pallis <mc90606@...> wrote:
> dear friends
>
> i want to apologize for this spam email!!!
> i had a virus problem to my computer!!!
> i am sorry for this
> see you on the birds!!
>
> Dimitrios Pallis (JIMMY)
>
> 73 de SW1JGW

Don't be too hard on yourself Jimmy. *I* was the one who saw the (correctly) quarantined message, and although I couldn't make any sense of it, OK'd it, because I saw Jimmy's info in the header block.
So... blame me. Yahoo did everything correctly and *I* let it through in error.

73 de Al.
GM1SXX

PS... thanks Luc for your kind comnments in your recent email. This group has been a success because of you guys, and not because of the moderators. Have a good holiday.

3014. long Coax ....previous experience help !

Yahoo group: eu-amsat
Date: 2009-12-19 20:19:03 UTC
From: st2nh
Topic: 3014 Message: 3014

Hi Gentelmen

Now I finished fixing my antennas on the roof at height about 13 meters from ground!! .The only possible distance to root the coax down to the shack is about 25 Meters (sadly)!!!

I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps). Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.

25 meter = 82 feet.

So gentlemen any clue or previous experience with same coax length?? .

73'Nader

3015. Re: long Coax ....previous experience help !

Yahoo group: eu-amsat
Date: 2009-12-19 20:42:13 UTC
From: Al
Topic: 3014 Message: 3015

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
> Hi Gentelmen
> Now I finished fixing my antennas on the roof at height about 13 meters from ground!!
.The only possible distance to root the coax down to the shack is about 25 Meters (sadly
)!!!
>
> I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps).
Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.
>
> 25 meter = 82 feet.
>
> So gentlemen any clue or previous experience with same coax length?? .
>
> 73'Nader
>

Hi Nader.

In any satellite receieve system it pays to place the preamp at the antenna. Your receive system should be as good as your circumstances permit. Your TX system is not so important and the losses are tolerable.
My reasoning is that if you do it the other way, with preamps at the shack, you add the noise generated by the co-ax to that of the wanted signal, which of course would be undesirable.

1.4/2.8Db is not a massive loss, but with weak-signal modes including satellites and EME, every little helps. With FM birds you probably wouldn't notice a difference, but try it on AO7 and you probably would! So, if you can, and it is not a huge inconvenience, I'd suggest placing the preamps at the antenna end.

Have a good Holiday.

73 Al.
PS... you might want to talk to LA2QAA who knows a lot more than I do about antenna systems, and used to do antennas for rather more important work.

3016. RE: [eu-amsat] long Coax ....previous experience help !

Yahoo group: eu-amsat
Date: 2009-12-19 20:53:58 UTC
From: John Hackett
Topic: 3014 Message: 3016

Nader,
-1Db at VHF, unless you have exceptionally sensitive ears you won't even notice any change.

At UHF, 3Db it's noticable but *NOT* a problem.

In your case the preamps - (at the aerials, of course !!!!) - are going to give you quite a large 'positive' power budget.

Nice set-up, most people would be envious.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 19 Dec 2009 20:19:03 +0000
Subject: [eu-amsat] long Coax ....previous experience help !

Hi Gentelmen

Now I finished fixing my antennas on the roof at height about 13 meters from ground!! .The only possible distance to root the coax down to the shack is about 25 Meters (sadly)!!!

I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps). Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.

25 meter = 82 feet.

So gentlemen any clue or previous experience with same coax length?? .

73'Nader

3017. FW: just so you know.

Yahoo group: eu-amsat
Date: 2009-12-19 21:00:23 UTC
From: John Hackett
Topic: 3017 Message: 3017

From: archie.hackett@...
To: la2qaa@...
Subject: just so you know.
Date: Sat, 19 Dec 2009 21:58:28 +0100

Hello Al,
La2qaa might have seen an aerial or 3 before but he knows SODALL about computer4 related things and is *TOTALLY* reliant on Gm1sxx.

Just so you know.

73 John.

To: eu-amsat@yahoogroups.com
From: archie.hackett@...
Date: Sat, 19 Dec 2009 21:53:58 +0100
Subject: RE: [eu-amsat] long Coax ....previous experience help !

Nader,
-1Db at VHF, unless you have exceptionally sensitive ears you won't even notice any change.

At UHF, 3Db it's noticable but *NOT* a problem.

In your case the preamps - (at the aerials, of course !!!!) - are going to give you quite a large 'positive' power budget.

Nice set-up, most people would be envious.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 19 Dec 2009 20:19:03 +0000
Subject: [eu-amsat] long Coax ....previous experience help !

Hi Gentelmen

Now I finished fixing my antennas on the roof at height about 13 meters from ground!! .The only possible distance to root the coax down to the shack is about 25 Meters (sadly)!!!

I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps). Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.

25 meter = 82 feet.

So gentlemen any clue or previous experience with same coax length?? .

73'Nader

3018. UHF QRM from HAM stations!!

Yahoo group: eu-amsat
Date: 2009-12-19 22:10:22 UTC
From: Luc Leblanc
Topic: 3018 Message: 3018

On UHF the band is shared up to a point the "other side" is considering us as "interference" at least in 2005... Just check slide 9 in the
power point below. Can we also found them as QRM i think not as we are on a secondary basis :(

www.dtic.mil/ndia/2005rangeops/tuesday/owens.pps

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3019. Re: UHF QRM from HAM stations!!

Yahoo group: eu-amsat
Date: 2009-12-19 22:50:34 UTC
From: Al
Topic: 3018 Message: 3019

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On UHF the band is shared up to a point the "other side" is considering us as "interference" at least in 2005... Just check slide 9 in the
> power point below. Can we also found them as QRM i think not as we are on a secondary basis :(
>
> www.dtic.mil/ndia/2005rangeops/tuesday/owens.pps
>
>

Hi Luc and the group.

We only get to use the 70Cms band as 'secondary status' which means that the primary users get priority and can demand that we don't cause interference to them. Not a lot we can do about that I'm afraid.

Although the military are the primary users, I believe their main use of 70Cms is for RADARS and ranging systems, but I can't say that I have ever really noticed their presence, except for what I believe to be de-sense of oscar7 while the bird is/was approaching the UK.

RAF Fylingdales in Yorkshire UK operates a large and very powerful BMEWS RADAR on 70Cms which has been implicated in the past for de-sensing amateur satellite 70CMs uplinks when birds are within range, but thats not seen as a major issue really. 70Cms is 'inhabited' by all manner of license-exempt equipment which I see as a bigger threat. My remote conrolled electrical sockets for instance run on 433.920Mhz, a very popular choice for these things. There are also millions of car keys (radio type- rolling code devices) and a million and one other 'license exempt' low-power devices opoerating on 70Cms.

Fylingdales.
http://www.ofcom.org.uk/radiocomms/spectrumawards/completedawards/award_412/qas/#5

http://www.observations.biz/Joint_Observations/BMEWS_ed.htm

http://en.wikipedia.org/wiki/RAF_Fylingdales

If you are interested, there is plenty of material. Google is your buddy.

Fylingdales is only one of several Ballistic Missile Easlr Warning RADARS around the world operating in the 70Cms band.

See...
http://en.wikipedia.org/wiki/Ballistic_Missile_Early_Warning_System

Plenty of 'ammo' for Luc.

In the UK, there are 'restricted zones' in a few areas where 70Cms operation is not permitted. I'm sure the same is true elsewhere.

So as far as 70Cms goes (along with 2.4Ghz), we are very much the poor cousins. Actually, we are lucky to be able to use both bands at all.

2.4GHz of course is an 'unprotected' ISM (Industrial Scientific and Medical) band, and like on 70CMs, we have to accept intereference from primary users. In most urban areas, 2.4GHz is a very busy place!
Next time you pop your TV dinner in the microwave, just think 2450MHz (hopefully).... if your magnetron hasn't drifted. Almost every microwave oven on the planet operates on 2.4G's!

There are many industrial devices on 2.4 (some running kilowatts) along with countless millions of Wireless Access Points (WAPs) for Internet use. Mine sits about 5 feet from where I'm writing this! I believe the maximum power allowed for these devices in the UK is around 0.5watts, although mine ruuns 15mw.

Lets face it, 70CMs and 2.4GHz are hardly ideal for weak signal use.

73 Al.
GM1SXX

3020. Re: [amsat-bb] AO-51 mode change 20 Dec 2009

Yahoo group: eu-amsat
Date: 2009-12-21 00:48:20 UTC
From: Luc Leblanc
Topic: 3020 Message: 3020

On 20 Dec 2009 at 17:50, Mark L. Hammond wrote:

Date sent: Sun, 20 Dec 2009 17:50:43 -0500
From: "Mark L. Hammond" <marklhammond@...>
Subject: [amsat-bb] AO-51 mode change 20 Dec 2009
To: amsat-bb@..., ao51-modes@...

>
> Hi All,
>
> Around 2230UTC 20 Dec 2009 the mode on AO-51 was changed according to the posted schedule as follows:
>
> December 21 - December 28
>
> FM Repeater, V/U
> Uplink: 145.920 MHz FM
> Downlink: 435.300 MHz FM
>
> 9k6 BBS, L/U
> Uplink: 1268.700 MHz 9k6 FM
> Downlink: 435.150 MHz 9k6 FM
>
>
> The FM Repeater on TXB (435.300) is at about 450mW, while the BBS on TXB (435.150) is at about 500mW. Signals on both transmitters sounded fine. The digipeater on TXB is "ON." We are collecting telemetry (every 30 secs) for the next 24 hours.
>
> Thanks for the S-band activity during the previous mode period!
>
> 73 on behalf the AO-51 Command Team,
>
> Mark L. Hammond [N8MH]
>
As per my Listening on AO-51 it seems a magnet reversal will be done pretty soon to replace AO-51 in his previous attitude feet to head
positioning...

Nat enquirer sources

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3021. Re: [amsat-bb] Re: XW-1 QSO and packet attempt

Yahoo group: eu-amsat
Date: 2009-12-21 04:54:50 UTC
From: Luc Leblanc
Topic: 3021 Message: 3021

On 20 Dec 2009 at 22:05, Sebastian wrote:

Date sent: Sun, 20 Dec 2009 22:05:48 -0500
From: Sebastian <w4as@...>
Subject: [amsat-bb] Re: XW-1 QSO and packet attempt
To: AMSAT BB <AMSAT-BB@...>

> Luc (VE2DWE) has some magic in his antennas, as I consistently heard him pretty much all through the pass.
>

John K8YSE wrote: It could have been that the BBS stops the voice repeater but there were times that VE2DWE was making it (although noisy) and my signal was not there at all. Maybe the amount of deviation on the tone makes a difference when there are a lot of competing signals on the input.

As the bird sank low on the horizon on the way north, it was again possible to get into it. Normally there are not many who get into any satellite that is in northern Canada. Less congestion on the input gives you a better chance.

> I heard Drew mention that perhaps due to the PL tone and the large number of stations trying to use the repeater, very few stations were able to make a QSO.
>
>

Three problems: as with AO-51 the CTCSS tone is blocking a lot of station it was the same when ISS cross band repeater was on too. When XW-1 was over central USA his footprint was covering nearly all the Northern continent including central america and the Carribean island with all the Northern satellite station in the same footprint it should be a challenge at the satellite receiver to have one station able to make it through that's the second one and for the third one the packet BBS also is competing at the receiver and i'm guessing at the transceiver too as i never heard the packet transmission over a phone transmission. Without any knowledge of the ways the transmitter is voting or who's got the priority first it is hard to tell if this packet turn over is not also a contributing factor as many of my transmissions where shut down to just get a packet burst afterwards?

I missed the linear transponder but i'm guessing it will be "The mode" on XW-1 as per what i heard from the recordings.

It is a great sat and as i wrote a nice christmas gift with SO-67 as a suggestion the FM/BBS mode can be put in service in light traffic pass as it is permitting less traffic than the linear transponder, but it can be an

alternance of both. Let see what the european pass will
give as the whole europe will be in the same footprint!!!.

For the magic in my antennas there is none that i know but operating in full duplex is a big help as you can choose when to key the TX but
as we cannot get a constant TX from the satellite we probably often transmit over each other Letting the receiver only activated by the
carrier will at least make us hear through the capture effect and it will tell us when it's time to TX? It will not solved the tailgating
problem but it will help.

P.S. There is also a trick on XW-1 as there was one on SO-67 i will have to check it again but he's not much nicer than the one i discover
on SO-67 fighting against the 3 seconds timer... Just remember i wrote "fighting"!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3022. Back On Birds! More QRM from South

Yahoo group: eu-amsat
Date: 2009-12-22 21:39:43 UTC
From: st2nh
Topic: 3014 Message: 3022

Hi ALL
Gentelmen Al , John

Thanks for advice and reply.

YES Im back on sat.
Coax length is 30 meters now !!

But my home-brew antennas are really supper .

Switchable Circular polarazation is really fantastic tool :-)
Do not belive otherwise ,, even for LEO sat!!

I havn't touch my PREAMP even with long coax.!
QSB!!! just toggle the polaraztion swith and you wll be back.

I hworked before with simple home-brew Yagi (6 horizantal
elemements for VHF and 12 vertical elements for UHF on same boom.

Now I re-used my old switchable circular polaration antennas
6x6 elements for VHF.
12x12 elements for UHF
On each antennas one set of the elements displaced 1/4 wavelength on the boom with phasing line and a relay built in side the boom.

http://www.st2nh.com/myequipments

On first OHLLAA QRM test, I worked 3 Europen sations

Notice the Rotor now is G-5500 :-)

Also I have antennas for L and S band .!
but no activity now to load my rotor Gear.

Hope to catch you once again on new Birds

73 from hot Africa (28 c under the AC)

Merry Xmas and HNY to all

73;Nader

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi Gentelmen
>
> Now I finished fixing my antennas on the roof at height about 13 meters from ground!! .The only possible distance to root the coax down to the shack is about 25 Meters (sadly)!!!

>
> I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps).
Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.
>
> 25 meter = 82 feet.
>
> So gentlemen any clue or previous experience with same coax length?? .
>
> 73'Nader
>

3023. RE: [eu-amsat] Back On Birds! More QRM from South

Yahoo group: eu-amsat
Date: 2009-12-22 22:25:12 UTC
From: John Hackett
Topic: 3014 Message: 3023

Well done! Nader,
Let take this opportunity of wishing you and those dear to you a
MERRY CHRISTMAS and a prosperous and HAPPY NEW YEAR ... as I do to all members
of our illustrious group.

I'm sure everyone will join me in a collective enormous THANK YOU to Camsat for the
wonderful Christmas present of XIWANG-1 (Hope-1) aka XW-1 (HO-68).

LINEAR, PACSAT, FM ... all tested in only 6 days !!! after launch.

Impressive Camsat. Well done indeed !!!.

On behalf of the EU-Amsat group.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Tue, 22 Dec 2009 21:39:43 +0000
Subject: [eu-amsat] Back On Birds! More QRM from South

Hi ALL

Gentelmen Al , John

Thanks for advice and reply.

YES Im back on sat.

Coax length is 30 meters now !!

But my home-brew antennas are really supper .

Switchable Circular polarazation is really fantastic tool :-)

Do not belive otherwise ,, even for LEO sat!!

I havn't touch my PREAMP even with long coax.!

QSB!!! just toggle the polaraztion swith and you wll be back.

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elemements for VHF and 12 vertical elements for UHF on same boom.

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Notice the Rotor now is G-5500 :-)

Also I have antennas for L and S band .!

but no activity now to load my rotor Gear.

Hope to catch you once again on new Birds

73 from hot Africa (28 c under the AC)

Merry Xmas and HNY to all

73;Nader

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:

>

> Hi Gentelmen

>

> Now I finished fixing my antennas on the roof at height about 13 meters from ground!! .The only possible distance to root the coax down to the shack is about 25 Meters (sadly)!!!

>

> I got a new 9913 and I have preamps for uhf &vhf (advanced receiver research preamps). Coax 9913 Attenuation (dB per 100 feet) is 1.4 at vhf and 2.8 at uhf.

>

> 25 meter = 82 feet.

>

> So gentlemen any clue or previous experience with same coax length?? .

>

> 73'Nader

>

3024. From EU-Amsat.

Yahoo group: eu-amsat
Date: 2009-12-22 22:45:27 UTC
From: John Hackett
Topic: 3024 Message: 3024

Alan,
On behalf of the EU-Amsat group I cordially invite you and all members of CAMSAT to join us.

We have members on all continents.

Membership is entirely FREE and is open to all amateur radio satellite operators - or those wishing to join us.

You can find us at ... <http://groups.yahoo.com/group/eu-amsat/>

Please distribute this information to the members of CAMSAT.

Let me also take this opportunity of congratulating you on XIWANG-1 (HOPE-1).

All modes tested in only 6 days after reaching orbit.

Very impressive indeed !!! Alan.

On behalf of the entire EU->Amsat group.

Congratulations and THANK YOU.

73 John. <la2qaa@...> Homepage: <http://www.observations.biz)

Frei Island. IOTA EU 36.

3025. Re: [amsat-bb] Another Bradford DUH! Moment

Yahoo group: eu-amsat
Date: 2009-12-23 07:17:45 UTC
From: Luc Leblanc
Topic: 3025 Message: 3025

On 22 Dec 2009 at 10:13, Clint Bradford wrote:

Date sent: Tue, 22 Dec 2009 10:13:24 -0800
From: Clint Bradford <clintbradford@...>
Subject: [amsat-bb] Another Bradford DUH! Moment
To: AMSAT BB <amsat-bb@...>

> I am preachin' to the choir here with this post

> and as good or better than my Cushcraft A148-3S (retailing for sixty bucks).
>
> Sorry - have to stop writing. I am way too old to get this excited about this hobby ...

I don't want to be a trouble maker but did you ever think your A148-3S was developing some issues with the years? I will pay your S&H in
full just shipped your A148-3S to me and i will even add 25$ to pay the hardware used to build your new tape measure antenna.

Plus a bonus donation of 10$ to AMSAT-NA. (no string attached)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3026. Thought for the day.

Yahoo group: eu-amsat
Date: 2009-12-23 09:26:15 UTC
From: John Hackett
Topic: 3026 Message: 3026

Hello Folks,
Thought for the day.

QUESTION:

What do CAS-1, HOPE-1, XIYANG-1, XW-1 and HO-68 all have in common?.

ANSWER.

They're the same satellite.

Please draw your own conclusions.

73 John. <la2qaa@amsat.org>

3027. Re: [eu-amsat] Thought for the day.

Yahoo group: eu-amsat
Date: 2009-12-23 10:59:10 UTC
From: Thomas Frey
Topic: 3026 Message: 3027

John Hackett schrieb:
>
>
> Hello Folks,
> Thought for the day.
>
> QUESTION:
>
> What do CAS-1, HOPE-1, XIYANG-1, XW-1 and HO-68 all have in common?.
>
> ANSWER.
>
> They're the same satellite.
>
> Please draw your own conclusions.
>
> 73 John. <la2qaa@...>
>
>
>

Hello John

I guess XW is the short form of XiWang and Xiwang means Hope. But
CAS-1 doesn't exist. I only found a satellite CAS-A, launched 1971.

Merry Christmas, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3028. Cas-1

Yahoo group: eu-amsat
Date: 2009-12-23 11:35:23 UTC
From: John Hackett
Topic: 3026 Message: 3028

Thomas,
Cas-1 was what the Chinese themselves were calling XW-1 on their
BT3WX special station website. it was also referred to in a couple of other instances.

It doesn't matter because the satellite will undoubtedly become commonly known as HO-68.

I am aware that somebody corrected Amsat's designation of XW to XIWANG meaning HOPE ...
(GM1SXX told me this 3 days ago).

The point of my e-mail was to illustrate that several names for the same satellite can be rather confusing to the potential newcomer.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 23 Dec 2009 11:59:10 +0100
Subject: Re: [eu-amsat] Thought for the day.

John Hackett schrieb:

>

>

> Hello Folks,

> Thought for the day.

>

> QUESTION:

>

> What do CAS-1, HOPE-1, XIYANG-1, XW-1 and HO-68 all have in common?.

>

> ANSWER.

>

> They're the same satellite.

>

> Please draw your own conclusions.

>

> 73 John. <la2qaa@...>

>

>

>

Hello John

I guess XW is the short form of XiWang and Xiwang means Hope. But

CAS-1 doesn't exist. I only found a satellite CAS-A, launched 1971.

Merry Christmas, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3029. Re: [eu-amsat] Cas-1

Yahoo group: eu-amsat
Date: 2009-12-23 13:22:50 UTC
From: Thomas Frey
Topic: 3026 Message: 3029

John Hackett schrieb:
>
>
> Thomas,
> Cas-1 was what the Chinese themselves were calling XW-1 on
> their
> BT3WX special station website. it was also referred to in a couple of
> other instances.

Ah yes John. This was the old name of the project. The name was changed
a long time ago.

>
> It doesn't matter because the satellite will undoubtedly become
> commonly known as HO-68.
>
> I am aware that somebody corrected Amsat's designation of XW to XIWANG
> meaning HOPE ... (GM1SXX told me this 3 days ago).
>
> The point of my e-mail was to illustrate that several names for the
> same satellite can be rather confusing to the potential newcomer.

I think this was an exception for a Chinese satellite. Anyway, that's not
so important. Now its Hope-OSCAR-68 or HO-68, two designations more to
think about, hi.

>
> 73 John. <la2qaa@...>
> ---
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Wed, 23 Dec 2009 11:59:10 +0100
> Subject: Re: [eu-amsat] Thought for the day.
>
> John Hackett schrieb:
> >
> >
> > Hello Folks,
> > Thought for the day.
> >
> > QUESTION:
> >
> > What do CAS-1, HOPE-1, XIYANG-1, XW-1 and HO-68 all have in common?.
> >
> > ANSWER.
> >

> > They're the same satellite.
> >
> > Please draw your own conclusions.
> >
> > 73 John. <la2qaa@... <mailto:la2qaa@...>>
> >
> >
> >
>
> Hello John
>
> I guess XW is the short form of XiWang and Xiwang means Hope. But
> CAS-1 doesn't exist. I only found a satellite CAS-A, launched 1971.
>
> Merry Christmas, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3030. Re: Thought for the day.

Yahoo group: eu-amsat
Date: 2009-12-23 14:18:41 UTC
From: st2nh
Topic: 3026 Message: 3030

TNX JOHN :-)

It is a Happy Holidays Hot OSCAR :-)

Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Folks,
> Thought for the day.
>
> QUESTION:
>
> What do CAS-1, HOPE-1, XIYANG-1, XW-1 and HO-68 all have in common?.
>
> ANSWER.
>
> They're the same satellite.
>
> Please draw your own conclusions.
>
> 73 John. <la2qaa@...>
>

3031. XW-1 Schedule Dec 24-27

Yahoo group: eu-amsat
Date: 2009-12-23 18:56:38 UTC
From: st2nh
Topic: 3031 Message: 3031

XW-1 Schedule on Dec 24-27

Subject: [amsat-bb] XW-1 Schedule on Dec 24-27
From: "Alan Kung" <alankung@xxxxxxxxxxxxxxxxx>
Date: Thu, 24 Dec 2009 00:22:21 +0800

Wed. 23 Dec. 2009
XW-1 Linear Tansponder
Turn On:
19:45...South Africa,Middle East Asia
19:55...Europe,North Africa,Middle East Asia
20:05...Europe,North America, North Pole
20:15...North America, Russia,North Pole
20:25...Turn Off

Thurs. 24 Dec. 2009
XW-1 Linear Tansponder
Turn On:
02:55...South America
03:05...North South America,South NA
03:15...North America
03:25...North NA,Russia,North Pole
03:30...Turn Off

Thurs. 24 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
12:09...North Australia,South Asia
12:15...East Asia,South Asia
12:22...Turn Off

Thurs. 24 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
12:35...North Asia, North Europe, North Pole
12:45...East NA, West Europe,North Pole
12:55...East NA, North South America,West Africa
13:00...South America
13:05...Turn Off

==========

Thurs. 24 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
17:40...East Africa,Middle East Asia
17:10...Europe,North Africa,Middle East Asia
18:00...Europe,North America, North Pole
18:10...North America, Russia,North Pole
18:20...North America
18:25...Turn Off

Thurs. 24 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
19:20...Africa
19:30...North Africa,Middle East Asia
19:40...Europe,North Africa,Middle East Asia, North Pole
19:45...Turn Off

Thurs. 24 Dec. 2009
XW-1 Linear Tansponder
Turn On:
23:15...East NA, West Europe,West Africa
23:25...East NA, West Europe, North Pole
23:35...North NA, East Asia, North Pole
23:45...East Asia
23:55...South East Asia,North Australia
24:00...Australia
24:05...Turn Off

Fri. 25 Dec. 2009
XW-1 Linear Tansponder
Turn On:
02:40...South America
02:50...South NA, North South America
03:00...North America,North Pole
03:10...North NA,North East Asia
03:15...Turn Off

==========

Fri. 25 Dec. 2009
XW-1 Linear Tansponder
Turn On:
17:25...East Africa,Middle East Asia
17:35...Europe,North Africa,Middle East Asia
17:45...Europe,North America, North Pole
17:55...North America, Russia,North Pole
18:00...Turn Off

Fri. 25 Dec. 2009
XW-1 Linear Tansponder
Turn On:
19:05...South Africa

19:15...North Africa,Middle East Asia, South Europe
19:25...Europe,North Africa,Middle East Asia, North Pole
19:30...Europe,North East NA, North Pole
19:35...Turn Off

Sat. 26 Dec. 2009
XW-1 Linear Tansponder
Turn On:
03:04...East Asia
03:10...East Asia, South Asia
03:15...East Asia, South Asia, Middle Asia
03:19...Turn Off

Sat. 26 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
15:40...Europe,North America,North Pole
15:50...NA, North Pole
16:00...North America,North South America
16:10...Turn Off

==========

Sat. 26 Dec. 2009
XW-1 Linear Tansponder
Turn On:
17:05...East South Africa,Middle East Asia, South Asia
17:15...Europe,North Africa,Middle East Asia
17:25...Europe,North Pole
17:30...North America, North Europe,North Pole
17:35...Turn Off

Sun. 27 Dec. 2009
XW-1 Linear Tansponder
Turn On:
00:59...East Asia
01:05...East Asia, South Asia
01:10...East Asia, South Asia, North Australia
01:14...Turn Off

Sun. 27 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
11:00...South Australia,South Pole
11:10...Australia
11:20...Nouth Australia,East Asia
11:30...East Asia, North Asia
11:40...NA,North Europe, North Pole
11:50...NA,North Europe, North Pole
11:55...East NA,West Europe, West Africa
12:00...Turn Off

Sun. 27 Dec. 2009
XW-1 FM and Digital Transponder
Turn On:
15:20...Europe,North Asia,North Pole
15:30...NA, West Europe,North Pole
15:40...NA, North South America
15:45...South America,South NA
15:50...Turn Off

73
Alan Kung, BA1DU
HO-68(XW-1) Project Manager
www.camsat.cn

Posted at AMSAT BB
Thanks Alan

73'Nader
st2nh

3032. WOW wounderful satellite

Yahoo group: eu-amsat
Date: 2009-12-23 20:08:25 UTC
From: st2nh
Topic: 3031 Message: 3032

Hi all

I've Just read the schedule and synchronize my PC time!!!
And YES at 19:45 I hear my echo back from the sat.
Wounderful so strong and clear and with 5 watts (yes 5 watts only)
I worked DL8DR-ON5UE-F6HTJ-SQ7DQX .

ALL what I can say THANK AMSAT-CHAIN
THANKS Alan FB OM

And tnx for every one sharing me fun

Nader
st2nh

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> XW-1 Schedule on Dec 24-27
>
> ---
>
> Subject: [amsat-bb] XW-1 Schedule on Dec 24-27
> From: "Alan Kung" <alankung@xxxxxxxxxxxxxxxxx>
> Date: Thu, 24 Dec 2009 00:22:21 +0800
>
> ---
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> Turn On:
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> 19:55...Europe,North Africa,Middle East Asia
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> 20:25...Turn Off
>
> Thurs. 24 Dec. 2009
> XW-1 Linear Tansponder
> Turn On:
> 02:55...South America
> 03:05...North South America,South NA
> 03:15...North America
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> Thurs. 24 Dec. 2009

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> 13:00...South America
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> ==========
>
> Thurs. 24 Dec. 2009
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> 23:25...East NA, West Europe, North Pole
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> 23:45...East Asia
> 23:55...South East Asia,North Australia
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>
> Fri. 25 Dec. 2009
> XW-1 Linear Tansponder
> Turn On:
> 02:40...South America

> 02:50...South NA, North South America
> 03:00...North America,North Pole
> 03:10...North NA,North East Asia
> 03:15...Turn Off
>
> ==========
>
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> XW-1 Linear Tansponder
> Turn On:
> 17:25...East Africa,Middle East Asia
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> 17:45...Europe,North America, North Pole
> 17:55...North America, Russia,North Pole
> 18:00...Turn Off
>
> Fri. 25 Dec. 2009
> XW-1 Linear Tansponder
> Turn On:
> 19:05...South Africa
> 19:15...North Africa,Middle East Asia, South Europe
> 19:25...Europe,North Africa,Middle East Asia, North Pole
> 19:30...Europe,North East NA, North Pole
> 19:35...Turn Off
>
> Sat. 26 Dec. 2009
> XW-1 Linear Tansponder
> Turn On:
> 03:04...East Asia
> 03:10...East Asia, South Asia
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> Turn On:
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> ==========
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> Sat. 26 Dec. 2009
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> Turn On:
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> 17:15...Europe,North Africa,Middle East Asia
> 17:25...Europe,North Pole
> 17:30...North America, North Europe,North Pole

> 17:35...Turn Off
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> 00:59...East Asia
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> Turn On:
> 11:00...South Australia,South Pole
> 11:10...Australia
> 11:20...Nouth Australia,East Asia
> 11:30...East Asia, North Asia
> 11:40...NA,North Europe, North Pole
> 11:50...NA,North Europe, North Pole
> 11:55...East NA,West Europe, West Africa
> 12:00...Turn Off
>
> Sun. 27 Dec. 2009
> XW-1 FM and Digital Transponder
> Turn On:
> 15:20...Europe,North Asia,North Pole
> 15:30...NA, West Europe,North Pole
> 15:40...NA, North South America
> 15:45...South America,South NA
> 15:50...Turn Off
>
> 73
> Alan Kung, BA1DU
> HO-68(XW-1) Project Manager
> www.camsat.cn
>
> ---------
> Posted at AMSAT BB
> Thanks Alan
>
> 73'Nader
> st2nh
>

3033. Merry Christmas satt fans

Yahoo group: eu-amsat
Date: 2009-12-24 15:32:52 UTC
From: Luc Leblanc
Topic: 3033 Message: 3033

As already stated SO-67 and HO-68 are two wonderful Christmas gifts offered by our South African and Chineses friends. As my previous
wishes seems to come to some reality regarding at an international venture for amateur radio satellite i just hope this trend will
continue.

In the mean time a Merry Christmas to all of you and here is a link that you can shared with you young folk's this Christmas eve.

http://www.noradsanta.org/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3034. Merry Christmas satt fans

Yahoo group: eu-amsat
Date: 2009-12-24 15:32:52 UTC
From: Luc Leblanc
Topic: 3033 Message: 3034

As already stated SO-67 and HO-68 are two wonderful Christmas gifts offered by our South African and Chineses friends. As my previous
wishes seems to come to some reality regarding at an international venture for amateur radio satellite i just hope this trend will
continue.

In the mean time a Merry Christmas to all of you and here is a link that you can shared with you young folk's this Christmas eve.

http://www.noradsanta.org/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3035. Re: Merry Christmas satt fans

Yahoo group: eu-amsat
Date: 2009-12-25 10:00:00 UTC
From: st2nh
Topic: 3033 Message: 3035

OM Luc Leblanc and All Gentelmen

Wishing Merry xmas & Happy New Year.

H0pe nextyear (or during next year celebrate a new HEO sat)
time for wishies . hope sata listen to our short list :-)

73' and 88 for your lover

Nader - st2nh

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> As already stated SO-67 and HO-68 are two wonderful Christmas gifts offered by our South African and Chineses friends. As my previous
> wishes seems to come to some reality regarding at an international venture for amateur radio satellite i just hope this trend will
>ntinue.
>
> In the mean time a Merry Christmas to all of you and here is a link that you can shared with you young folk's this Christmas eve.
>
> http://www.noradsanta.org/
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>

3036. Re: [eu-amsat] Re: Merry Christmas satt fans

Yahoo group: eu-amsat
Date: 2009-12-25 10:57:12 UTC
From: Thomas Frey
Topic: 3033 Message: 3036

st2nh wrote:
> OM Luc Leblanc and All Gentelmen
>
> Wishing Merry xmas& Happy New Year.
>
> H0pe nextyear (or during next year celebrate a new HEO sat)
> time for wishies . hope sata listen to our short list :-)
>
> 73' and 88 for your lover
>
> Nader - st2nh
>
>
>

Hello Nader and group

Its not possible to have a HEO in orbit next year, just more CubeSats.
In the next time I will look through our new German journal again and
compile news about P3E.

Merry Christmas and a happy and healthy New Year to you All.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3037. CWFPQRP

Yahoo group: eu-amsat
Date: 2009-12-26 13:16:19 UTC
From: John Hackett
Topic: 3037 Message: 3037

Group,
Great !!! Christmas pressie wot?, chaps ...

Ho Ho Ho-68.

I havn't bothered to switch on a rig just yet- but I will put in an appearance CWFPQRP when things settle down a bit.

(CWFPQRP = CW, feet portable, QRP)

73 John. <la2qaa@...>

3038. Re: CWFPQRP

Yahoo group: eu-amsat
Date: 2009-12-26 16:33:34 UTC
From: st2nh
Topic: 3037 Message: 3038

HI John & All

It's a Xpoder !!there a room for QRP
The fun is now ..!
I worked yesterday 3 continents in one pass!!
Africa, Asia and Europe

;->

73'Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> Great !!! Christmas pressie wot?, chaps ...
>
> Ho Ho Ho-68.
>
> I havn't bothered to switch on a rig just yet- but I will put in an appearance CWFPQRP
> when things settle down a bit.
>
> (CWFPQRP = CW, feet portable, QRP)
>
> 73 John. <la2qaa@...>
>

3039. RE: [eu-amsat] Re: CWFPQRP

Yahoo group: eu-amsat
Date: 2009-12-26 22:12:24 UTC
From: John Hackett
Topic: 3037 Message: 3039

Excellent! Nader,
IOTA EU-36 is my home QTH so I sometimes get a reply now and again.

I'm a bit too far north for the ISS but I can see HO-68 between the mountains for about 5 minutes when it's east of my new QTH.

I wasn't allowed to have my satellite array at this new flat so I'll only be operating portable most of the time - though I 'do' have a 70cm beam disuised as an old fashioned 'TV' aerial for when the neighbopurs are asleep - hi-hi.

I'm still using 22 year old rigs so the auto-doppler tracking is a bit of everything.

It keeps both hands busy on CW - it keeps me out of trouble !! ... he he he.

Let me take this opportunity of wishing you a HAPPY NEW YEAR Nader.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 26 Dec 2009 16:33:34 +0000
Subject: [eu-amsat] Re: CWFPQRP

HI John & All

It's a Xpoder !!there a room for QRP

The fun is now ..!

I worked yesterday 3 continents in one pass!!

Africa, Asia and Europe

;->

73'Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Group,

> Great !!! Christmas pressie wot?, chaps ...

>

> Ho Ho Ho-68.

>

> I havn't bothered to switch on a rig just yet- but I will put in an appearance CWFPQRP

> when things settle down a bit.

>

> (CWFPQRP = CW, feet portable, QRP)

>

> 73 John. <la2qaa@...>

>

3040. First QSO'S on HO-68 linear Xponder

Yahoo group: eu-amsat
Date: 2009-12-29 02:22:04 UTC
From: Luc Leblanc
Topic: 3040 Message: 3040

Just got my first few QSO'S on the linear transponder of HO-68. It was like a small motel room with all efficiencies but walls are in
cardbox and you can hear the 3 rooms on each side. But what an excellent signal and audio was Q5 on any station i was able to hear. It was
like 20 meter band on a contest day...

Recommendation just tune the higher frequency (The downlink). Messing with the uplink just not work as you step over a lot of stations. It
is by far the strongest linear satellite and i will try auto doppler on the next linear session. I count about 15 simultaneous station at
the same time and the dowlink power was holding even with some excessive uplink power at times! It is understandable as the new toy was
just getting out of the box...

As the power budget is higher the transponder is able to give enough signal to a lot more stations. The key is high downlink power to be
able to sustain more station at the same time. But just try to reduce your power when the satellite is overhead he's just above you at TCA
Time to Closest Approach

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3041. Endorsement.

Yahoo group: eu-amsat
Date: 2009-12-29 09:46:54 UTC
From: John Hackett
Topic: 3040 Message: 3041

Group,
I absolutely endorse both of Luc's points.

>Recommendation just tune the higher frequency (The downlink).
>Messing
with the uplink just not work as you step over a lot of stations.

Remember !!!, as yet, the satellite has many! newcomers and they *DON'T* !!! all
have auto doppler tuning radios.

Power.

We now have a linear transponder that is 'controllable' again. Lets not hit it with more
power than necessary and shorten it's life by idiotic operating proceedures. Like Luc
says - and has been on 'OBSERVATIONS' for Donkey's years ... turn your4 power down
at TCA.
.....
.....

For those that can't be bothered to nread OBSERVATIONS.

POWER. How much is enough?
LA2QAA Feb 2006

There could be many answers to that question but the correct one regarding
amateur satellite communications is:

"Just enough to maintain effective
communications".

For instance, how many people reduce their power as the satellite
they're operating on approches TCA (time of closest approach). A good operator
will, because they know that the use of excessive power is *not* good for the
transponder. Case in point. When AO-7 first comes up over the horizon you'll
probably need "X" amount of power to communicate effectively.

However, after 10-15 minutes, as the range decreases you'll find that a 3dB
(50%) reduction of power will have no effect whatsoever on the signal. A *VERY*
sensitive S-meter might show a difference but your ears certainly won't. Hands
up those that actually regulate their power to maintain effective
communications. (No, I didn't think so). You should try it sometime, you might
get a surprise.

By the way, we do know (don't we?) why most satellites have a beacon?.
The principal reason for a beacon is so that you can regulate your power to be
consistent with that beacon, it's your reference. No signal should ever be more
powerful than the beacon. That's what it's there for. Naturally, it will also
serve as your propagation reference.

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Mon, 28 Dec 2009 21:22:04 -0500
Subject: [eu-amsat] First QSO'S on HO-68 linear Xponder

Just got my first few QSO'S on the linear transponder of HO-68. It was like a small motel room with all efficiencies but walls are in

cardbox and you can hear the 3 rooms on each side. But what an excellent signal and audio was Q5 on any station i was able to hear. It was

like 20 meter band on a contest day...

Recommendation just tune the higher frequency (The downlink). Messing with the uplink just not work as you step over a lot of stations. It

is by far the strongest linear satellite and i will try auto doppler on the next linear session. I count about 15 simultaneous station at

the same time and the dowlink power was holding even with some excessive uplink power at times! It is understandable as the new toy was

just getting out of the box...

As the power budget is higher the transponder is able to give enough signal to a lot more stations. The key is high downlink power to be

able to sustain more station at the same time. But just try to reduce your power when the satellite is overhead he's just above you at TCA

Time to Closest Approach

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3042. AO-68 schedule

Yahoo group: eu-amsat
Date: 2009-12-29 10:02:50 UTC
From: John Hackett
Topic: 3042 Message: 3042

By curtesy of Alan BA1DU, here is the HO-68 schedule for December the 27th 2009 to January the 3rd 2010.

27 Dec. 2009
HO-68 Linear Tansponder
Turn On:
20:20...South Africa
20:30...Europe,North Africa
20:40...Europe,North America, North Africa,North Pole
20:50...North America, Europe,North Pole
20:55...Turn Off

==========
28 Dec. 2009
HO-68 Linear Tansponder
Turn On:
01:40...South America
01:55...North South America,South NA
02:10...North America
02:15...North NA,Russia,North Pole
02:20...Turn Off

28 Dec. 2009
HO-68 Linear Tansponder
Turn On:
12:31...South Australia,South Pole
12:35...Australia,South Pole
12:41...Turn Off

28 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
12:51...South Asia, North Australia
12:55...East Asia, South Asia
13:05...East Asia, North Asia, Middle Asia
13:06...Turn Off

28 Dec. 2009
HO-68 Linear Tansponder
Turn On:
21:45...South Africa
21:55...South America,West Africa
22:05...West Europe, West North Africa
22:15...North America, Europe,North Pole
22:20...North America, North Europe, North Asia,North Pole
22:25...Turn Off

==========
29 Dec. 2009
HO-68 Linear Tansponder
Turn On:
01:20...South America
01:35...North South America,South NA
01:50...North America,North Pole
01:55...North NA,Russia,North Pole
02:00...Turn Off

29 Dec. 2009
HO-68 Linear Tansponder
Turn On:
12:13...South Australia,South Pole
12:20...Australia
12:25...Australia,South Asia
12:29...Turn Off

29 Dec. 2009
HO-68 Linear Tansponder
Turn On:
12:34...South Asia,East Asia,North Australia
12:40...East Asia, South Asia
12:45...East Asia, East North Asia
12:50...Turn Off

29 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
16:05...Middle East Asia, South Asia
16:20...South Europe,Middle East Asia
16:30...Europe,Middle East Asia
16:35...North America, North Europe,North Asia,North Pole
16:40...Turn Off

29 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
18:00...East Africa,Middle East Asia
18:10...Europe,North Africa,Middle East Asia
18:20...Europe,North America,North Pole
18:30...North America, North Europe,North Pole
18:40...North America,North Pole
18:45...Turn Off

29 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
21:40...Wset Africa
21:50...Wset Europe,North Africa
22:00...Europe,North America, North Pole
22:05...North America, North Europe,North Asia,North Pole

22:10...Turn Off

==========
30 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
12:19...North Australia,South Asia
12:25...East Asia,South Asia
12:30...East Asia,East North Asia
12:32...Turn Off

30 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
13:45...South Australia,South Pole
13:50...Australia,South Pole
14:00...Australia,South Asia
14:06...Turn Off

30 Dec. 2009
HO-68 Linear Tansponder
Turn On:
17:45...East Africa,Middle East Asia
17:55...Europe,Middle East Asia,North East Africa
18:05...Europe,North NA,North Pole
18:15...North America, North Europe,North Asia,North Pole
18:25...North America
18:30...Turn Off

==========
31 Dec. 2009
HO-68 Linear Tansponder
Turn On:
02:35...South America
02:50...North South America,South NA
03:00...North America
03:10...NA,North Asia,North Pole
03:15...Turn Off

31 Dec. 2009
HO-68 Linear Tansponder
Turn On:
11:40...South Australia,South Pole
11:50...Australia
11:55...Australia,South Asia
11:57...Turn Off

31 Dec. 2009
HO-68 Linear Tansponder
Turn On:
13:45...North Australia,South Asia
13:50...South Asia,East Asia

13:55...Asia
14:00...Turn Off

31 Dec. 2009
HO-68 FM and Digital Transponder
Turn On:
16:05...North NA,North Europe, North Pole
16:15...NA, North Pole
16:25...South NA, North South America
16:30...Turn Off

==========
01 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
01:20...North East Asia
01:25...East Asia, North Asia
01:30...East Asia, South Asia
01:34...Turn Off

01 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
08:30...North Europe,North NA,North Asia,North Pole
08:40...Europe,North Africa,Middle Asia,North Pole
08:50...South Europe,North Africa,Middle East Asia
09:00...South Africa
09:05...Turn Off

01 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
14:01...North NA,North Europe, North Pole
14:05...East NA, West Europe,North Pole
14:10...East NA
14:20...South NA, North South America
14:30...South America
14:35...Turn Off

01 Jan.. 2010
HO-68 Linear Tansponder
Turn On:
20:40...South Africa
20:55...North South Africa,South Europe
21:05...East NA,Europe,North Pole, North Africa
21:15...North NA,North Europe,North Pole, North Asia
21:20...Turn Off

01 Jan.. 2010
HO-68 Linear Tansponder
Turn On:
22:30...West South Africa,East South America

22:50...North NA,West Europe,North Pole
23:00...East NA,Europe,North Pole, North Africa
23:05...Turn Off

==========
02 Jan.. 2010
HO-68 Linear Tansponder
Turn On:
01:08...East Asia, North Asia
01:15...East Asia, South Asia,North Australia
01:20...Turn Off

02 Jan.. 2010
HO-68 Linear Tansponder
Turn On:
15:30...North NA,North Europe, North Asia,North Pole
15:40...NA, North Pole
15:50...South NA, North South America
16:00...Turn Off

02 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
18:15...South Pole
18:25...South Africa,South Pole
18:35...South Africa
18:45...North Africa, Middle East Asia
18:45...Europe,North Africa, Middle East Asia
18:55...Turn Off

02 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
23:10...North Australia, Japan
23:20...Australia
23:35...Turn Off

==========
03 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
02:29...North Asia
02:35...North Asia,East Asia,South Asia
02:44...Turn Off

03 Jan.. 2010
HO-68 FM and Digital Transponder
Turn On:
06:05...North Asia,North Europe
06:15...Europe,Middle Asia
06:25...South Europe,Middle Asia,East Africa
06:35...South Africa

06:40...Turn Off

73 John. <la2qaa@...>

3043. Re: [eu-amsat] AO-68 schedule

Yahoo group: eu-amsat
Date: 2009-12-29 11:56:22 UTC
From: Thomas Frey
Topic: 3042 Message: 3043

Hello John and group

As CWist you can also to hear the schedule via morse beacon on 435.790 MHz.
This looks like as follows:

```
Call ID ID Ch1 Ch2
-------------------
BJ1SA XW XW AAA TTT -> only Beacon
BJ1SA XW XW TTT TTA -> Beacon + Linear transponder
BJ1SA XW XW TTT TAT -> Beacon + FM-Repeater
BJ1SA XW XW TTT ATT -> Beacon + software upload (maintenance)
```

I listen with my old PK-232.

John Hackett wrote:

```
>
>
> By curtesy of Alan BA1DU, here is the HO-68 schedule for December the
> 27th 2009 to January the 3rd 2010.
>
>
> 27 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 20:20...South Africa
> 20:30...Europe,North Africa
> 20:40...Europe,North America, North Africa,North Pole
> 20:50...North America, Europe,North Pole
> 20:55...Turn Off
>
> ========================================
> 28 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 01:40...South America
> 01:55...North South America,South NA
> 02:10...North America
> 02:15...North NA,Russia,North Pole
> 02:20...Turn Off
>
> 28 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 12:31...South Australia,South Pole
> 12:35...Australia,South Pole
> 12:41...Turn Off
```

>
> 28 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 12:51...South Asia, North Australia
> 12:55...East Asia, South Asia
> 13:05...East Asia, North Asia, Middle Asia
> 13:06...Turn Off
>
> 28 Dec. 2009
> H
> O-68 Linear Tansponder
> Turn On:
> 21:45...South Africa
> 21:55...South America,West Africa
> 22:05...West Europe, West North Africa
> 22:15...North America, Europe,North Pole
> 22:20...North America, North Europe, North Asia,North Pole
> 22:25...Turn Off
>
> ==========
> 29 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 01:20...South America
> 01:35...North South America,South NA
> 01:50...North America,North Pole
> 01:55...North NA,Russia,North Pole
> 02:00...Turn Off
>
> 29 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 12:13...South Australia,South Pole
> 12:20...Australia
> 12:25...Australia,South Asia
> 12:29...Turn Off
>
> 29 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 12:34...South Asia,East Asia,North Australia
> 12:40...East Asia, South Asia
> 12:45...East Asia, East North Asia
> 12:50...Turn Off
>
> 29 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 16:05...Middle Eas

> t Asia, South Asia
> 16:20...South Europe,Middle East Asia
> 16:30...Europe,Middle East Asia
> 16:35...North America, North Europe,North Asia,North Pole
> 16:40...Turn Off
>
> 29 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 18:00...East Africa,Middle East Asia
> 18:10...Europe,North Africa,Middle East Asia
> 18:20...Europe,North America,North Pole
> 18:30...North America, North Europe,North Pole
> 18:40...North America,North Pole
> 18:45...Turn Off
>
> 29 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 21:40...Wset Africa
> 21:50...Wset Europe,North Africa
> 22:00...Europe,North America, North Pole
> 22:05...North America, North Europe,North Asia,North Pole
> 22:10...Turn Off
>
> ==========
> 30 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 12:19...North Australia,South Asia
> 12:25...East Asia,South Asia
> 12:30...East Asia,East North Asia
> 12:32...Turn Off
>
> 30
> Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 13:45...South Australia,South Pole
> 13:50...Australia,South Pole
> 14:00...Australia,South Asia
> 14:06...Turn Off
>
> 30 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 17:45...East Africa,Middle East Asia
> 17:55...Europe,Middle East Asia,North East Africa
> 18:05...Europe,North NA,North Pole
> 18:15...North America, North Europe,North Asia,North Pole

> 18:25...North America
> 18:30...Turn Off
>
> ==========
> 31 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 02:35...South America
> 02:50...North South America,South NA
> 03:00...North America
> 03:10...NA,North Asia,North Pole
> 03:15...Turn Off
>
> 31 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 11:40...South Australia,South Pole
> 11:50...Australia
> 11:55...Australia,South Asia
> 11:57...Turn Off
>
> 31 Dec. 2009
> HO-68 Linear Tansponder
> Turn On:
> 13:45...North Australia,Sou
> th Asia
> 13:50...South Asia,East Asia
> 13:55...Asia
> 14:00...Turn Off
>
> 31 Dec. 2009
> HO-68 FM and Digital Transponder
> Turn On:
> 16:05...North NA,North Europe, North Pole
> 16:15...NA, North Pole
> 16:25...South NA, North South America
> 16:30...Turn Off
>
> ==========
> 01 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:
> 01:20...North East Asia
> 01:25...East Asia, North Asia
> 01:30...East Asia, South Asia
> 01:34...Turn Off
>
> 01 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:

> 08:30...North Europe,North NA,North Asia,North Pole
> 08:40...Europe,North Africa,Middle Asia,North Pole
> 08:50...South Europe,North Africa,Middle East Asia
> 09:00...South Africa
> 09:05...Turn Off
>
> 01 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:
> 14:01...North NA,North Europe, North Pole
> 14:05...East NA, West Europe,North Pole
> 14:10...East NA
> 14:20...South NA, North
> South America
> 14:30...South America
> 14:35...Turn Off
>
> 01 Jan.. 2010
> HO-68 Linear Tansponder
> Turn On:
> 20:40...South Africa
> 20:55...North South Africa,South Europe
> 21:05...East NA,Europe,North Pole, North Africa
> 21:15...North NA,North Europe,North Pole, North Asia
> 21:20...Turn Off
>
> 01 Jan.. 2010
> HO-68 Linear Tansponder
> Turn On:
> 22:30...West South Africa,East South America
> 22:50...North NA,West Europe,North Pole
> 23:00...East NA,Europe,North Pole, North Africa
> 23:05...Turn Off
>
> ==========
> 02 Jan.. 2010
> HO-68 Linear Tansponder
> Turn On:
> 01:08...East Asia, North Asia
> 01:15...East Asia, South Asia,North Australia
> 01:20...Turn Off
>
> 02 Jan.. 2010
> HO-68 Linear Tansponder
> Turn On:
> 15:30...North NA,North Europe, North Asia,North Pole
> 15:40...NA, North Pole
> 15:50...South NA, North South America
> 16:00...Turn Off
>

> 02 Jan.. 2010
> HO-68 FM and Dig
> ital Transponder
> Turn On:
> 18:15...South Pole
> 18:25...South Africa,South Pole
> 18:35...South Africa
> 18:45...North Africa, Middle East Asia
> 18:45...Europe,North Africa, Middle East Asia
> 18:55...Turn Off
>
> 02 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:
> 23:10...North Australia, Japan
> 23:20...Australia
> 23:35...Turn Off
>
> ==========
> 03 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:
> 02:29...North Asia
> 02:35...North Asia,East Asia,South Asia
> 02:44...Turn Off
>
> 03 Jan.. 2010
> HO-68 FM and Digital Transponder
> Turn On:
> 06:05...North Asia,North Europe
> 06:15...Europe,Middle Asia
> 06:25...South Europe,Middle Asia,East Africa
> 06:35...South Africa
> 06:40...Turn Off
>
> 73 John.<la2qaa@...>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3044. CW beacon

Yahoo group: eu-amsat
Date: 2009-12-29 13:15:37 UTC
From: John Hackett
Topic: 3042 Message: 3044

Hello Thomas!,
That was very interesting, I didn't know that.

Even though I'm a 'linear' enthusiast and CW man I havn't bothered to work
HO-68 yet, in fact, I havn't even listened.

I've been waiting for things to settle down as well as working on an auto-doppler
tuning system for older rigs that don't have CAT interfaces.

I still use my trusty old FT-290 on VHF with a home brew 25w linear.
The auto-rotor for the 70cm downlink is also homebrew. The downlink is to
a TR-851E which is also getting a bit long-in-the-tooth (old) now.

Thanks for the info Thomas and let me wish you A HAPPY NEW YEAR.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 29 Dec 2009 12:56:22 +0100
Subject: Re: [eu-amsat] AO-68 schedule

Hello John and group

As CWist you can also to hear the schedule via morse beacon on 435.790 MHz.

This looks like as follows:

Call ID ID Ch1 Ch2

BJ1SA XW XW AAA TTT -> only Beacon

BJ1SA XW XW TTT TTA -> Beacon + Linear transponder

BJ1SA XW XW TTT TAT -> Beacon + FM-Repeater

BJ1SA XW XW TTT ATT -> Beacon + software upload (maintenance)

I listen with my old PK-232.

John Hackett wrote:

>

>

> By curtesy of Alan BA1DU, here is the HO-68 schedule for December the

> 27th 2009 to January the 3rd 2010.

>

>

> 27 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 20:20...South Africa

> 20:30...Europe,North Africa

> 20:40...Europe,North America, North Africa,North Pole

> 20:50...North America, Europe,North Pole

> 20:55...Turn Off

>

> ==========

> 28 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 01:40...South America

> 01:55...North South America,South NA

> 02:10...North America

> 02:15...North NA,Russia,North Pole

> 02:20...Turn Off

>

> 28 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 12:31...South Australia,South Pole

> 12:35...Australia,South Pole

> 12:41...Turn Off

>

> 28 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 12:51...South Asia, North Australia

> 12:55...East Asia, South Asia

> 13:05...East Asia, North Asia, Middle Asia

> 13:06...Turn Off

>

> 28 Dec. 2009

> H

> O-68 Linear Tansponder

> Turn On:

> 21:45...South Africa

> 21:55...South America,West Africa

> 22:05...West Europe, West North Africa

> 22:15...North America, Europe,North Pole

> 22:20...North America, North Europe, North Asia,North Pole

> 22:25...Turn Off

>

> ==========

> 29 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 01:20...South America

> 01:35...North South America,South NA

> 01:50...North America,North Pole

> 01:55...North NA,Russia,North Pole

> 02:00...Turn Off

>

> 29 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 12:13...South Australia,South Pole

> 12:20...Australia

> 12:25...Australia,South Asia

> 12:29...Turn Off

>

> 29 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 12:34...South Asia,East Asia,North Australia

> 12:40...East Asia, South Asia

> 12:45...East Asia, East North Asia

> 12:50...Turn Off

>

> 29 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 16:05...Middle Eas

> t Asia, South Asia

> 16:20...South Europe,Middle East Asia

> 16:30...Europe,Middle East Asia

> 16:35...North America, North Europe,North Asia,North Pole

> 16:40...Turn Off

>

> 29 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 18:00...East Africa,Middle East Asia

> 18:10...Europe,North Africa,Middle East Asia

> 18:20...Europe,North America,North Pole

> 18:30...North America, North Europe,North Pole

> 18:40...North America,North Pole

> 18:45...Turn Off

>

> 29 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 21:40...Wset Africa

> 21:50...Wset Europe,North Africa

> 22:00...Europe,North America, North Pole

> 22:05...North America, North Europe,North Asia,North Pole

> 22:10...Turn Off

>

> ==========

> 30 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 12:19...North Australia,South Asia

> 12:25...East Asia,South Asia

> 12:30...East Asia,East North Asia

> 12:32...Turn Off

>

> 30

> Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 13:45...South Australia,South Pole

> 13:50...Australia,South Pole

> 14:00...Australia,South Asia

> 14:06...Turn Off

>

> 30 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 17:45...East Africa,Middle East Asia

> 17:55...Europe,Middle East Asia,North East Africa

> 18:05...Europe,North NA,North Pole

> 18:15...North America, North Europe,North Asia,North Pole

> 18:25...North America

> 18:30...Turn Off

>

> ==========

> 31 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 02:35...South America

> 02:50...North South America,South NA

> 03:00...North America

> 03:10...NA,North Asia,North Pole

> 03:15...Turn Off

>

> 31 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 11:40...South Australia,South Pole

> 11:50...Australia

> 11:55...Australia,South Asia

> 11:57...Turn Off

>

> 31 Dec. 2009

> HO-68 Linear Tansponder

> Turn On:

> 13:45...North Australia,Sou

> th Asia

> 13:50...South Asia,East Asia

> 13:55...Asia

> 14:00...Turn Off

>

> 31 Dec. 2009

> HO-68 FM and Digital Transponder

> Turn On:

> 16:05...North NA,North Europe, North Pole

> 16:15...NA, North Pole

> 16:25...South NA, North South America

> 16:30...Turn Off

>

> ==========

> 01 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 01:20...North East Asia

> 01:25...East Asia, North Asia

> 01:30...East Asia, South Asia

> 01:34...Turn Off

>

> 01 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 08:30...North Europe,North NA,North Asia,North Pole

> 08:40...Europe,North Africa,Middle Asia,North Pole

> 08:50...South Europe,North Africa,Middle East Asia

> 09:00...South Africa

> 09:05...Turn Off

>

> 01 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 14:01...North NA,North Europe, North Pole

> 14:05...East NA, West Europe,North Pole

> 14:10...East NA

> 14:20...South NA, North

> South America

> 14:30...South America

> 14:35...Turn Off

>

> 01 Jan.. 2010

> HO-68 Linear Tansponder

> Turn On:

> 20:40...South Africa

> 20:55...North South Africa,South Europe

> 21:05...East NA,Europe,North Pole, North Africa

> 21:15...North NA,North Europe,North Pole, North Asia

> 21:20...Turn Off

>

> 01 Jan.. 2010

> HO-68 Linear Tansponder

> Turn On:

> 22:30...West South Africa,East South America

> 22:50...North NA,West Europe,North Pole

> 23:00...East NA,Europe,North Pole, North Africa

> 23:05...Turn Off

>

> ==========

> 02 Jan.. 2010

> HO-68 Linear Tansponder

> Turn On:

> 01:08...East Asia, North Asia

> 01:15...East Asia, South Asia,North Australia

> 01:20...Turn Off

>

> 02 Jan.. 2010

> HO-68 Linear Tansponder

> Turn On:

> 15:30...North NA,North Europe, North Asia,North Pole

> 15:40...NA, North Pole

> 15:50...South NA, North South America

> 16:00...Turn Off

>

> 02 Jan.. 2010

> HO-68 FM and Dig

> ital Transponder

> Turn On:

> 18:15...South Pole

> 18:25...South Africa,South Pole

> 18:35...South Africa

> 18:45...North Africa, Middle East Asia

> 18:45...Europe,North Africa, Middle East Asia

> 18:55...Turn Off

>

> 02 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 23:10...North Australia, Japan

> 23:20...Australia

> 23:35...Turn Off

>

> ==========

> 03 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 02:29...North Asia

> 02:35...North Asia,East Asia,South Asia

> 02:44...Turn Off

>

> 03 Jan.. 2010

> HO-68 FM and Digital Transponder

> Turn On:

> 06:05...North Asia,North Europe

> 06:15...Europe,Middle Asia

> 06:25...South Europe,Middle Asia,East Africa

> 06:35...South Africa

> 06:40...Turn Off

>

> 73 John.<la2qaa@amsat.org>

>

>

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3045. XW-1 BBS over Africa (1st time)

Yahoo group: eu-amsat
Date: 2009-12-29 21:04:32 UTC
From: st2nh
Topic: 3045 Message: 3045

Hi All and HNY

I h've succeded connect to the XW-1 BBS , Orbit # 192 ,18:05 UTC.
Wisp upload window pop-up 3 times !! But the FM voice was longer than the re-try time!!

For sure I wll upload my messages soon on XW-1 BBS .This is really fun.

Thanks again Alan Kung and XW-1 team for the new schedule and for the Multi Mode New Year Gift . :)

73's Nader st2nh

www.st2nh.com

3046. HOPE-1

Yahoo group: eu-amsat
Date: 2009-12-30 09:46:31 UTC
From: John Hackett
Topic: 3046 Message: 3046

Group,
The new Chinese multimode satellite HO-1 is excellent!.

Check out this video by Henk PA3GUO.

<http://www.youtube.com/watch?v=o6oDgUTHCwg>

73 John. <la2qaa@...>

3047. Sounhd advice.

Yahoo group: eu-amsat
Date: 2009-12-30 09:59:29 UTC
From: John Hackett
Topic: 3047 Message: 3047

Newcomers,

George KA3HSW is (thankfully) repeating what GM1SXX and LA2QAA have been saying for many years now ... see <http://www.observations.biz> ... however, it deserves yet another airing ... go ahead George ...
.....

With your 2-radio setup, you should definitely leave your uplink frequency fixed, and tune only the downlink. Unless you have full computer control for doppler, this is the "One True Rule" anyway: tune only the higher of the two frequencies, where the doppler shift is greatest (about 9 kHz at 435). (If you ever get on VO-52, note that it has a VHF downlink and a UHF uplink, so you would tune the uplink there instead.)

Remember that the transponder is INVERTING: you must uplink on LSB, and listen to the downlink on USB. Also, the higher your downlink frequency is in the passband, the LOWER your uplink frequency will be. CW is generally found in the lower half of the passband (435.715 - 435.740) and voice in the upper half (435.740 - 435.765). Therefore, you should pick a downlink frequency above .740, and set your uplink radio to the corresponding frequency (the same amount DOWN from 145.950, the center of the uplink passband, as your downlink frequency is ABOVE 435.740, ie, an uplink of 145.940 for a downlink of 435.750) Pick a clear frequency, but don't go too high up, as most voice activity tends to stay pretty close to the center. For convenience, you might want to make up a little nomograph or chart that has the downlink frequencies on one line/column, and their corresponding uplink frequencies on another.

As far as power goes, the general rule has always been that your downlink should be no stronger than the beacon. That way, you're not tripping the AGC & knocking down someone else's signal. The FCC rule is, the minimum power necessary. Others have reported that 5 watts to an Arrow is sufficient.

Transmit either a slow voice count or a string of CW dits or V's while tuning your receiver around the predicted downlink frequency until you hear yourself. Early in a pass, while the bird is coming toward you, it'll be higher, and drift downward as the pass progresses. Call CQ, and listen for someone coming back. They probably won't be right on your downlink frequency, as doppler shift will be different at their location than at yours, so you'll have to tune your downlink to them. Hopefully, they will tune theirs to match yours. You'll get the hang of it pretty quickly.

Good luck, & hope to hear you on the birds!

George, KA3HSW
.....
.....

73 John. <la2qaa@...>

3048. New Year's resolution

Yahoo group: eu-amsat
Date: 2009-12-30 10:35:43 UTC
From: Luc Leblanc
Topic: 3048 Message: 3048

From the web and me

At this decade end New Year's resolution is a commitment that an individual makes to a project or the reforming of a habit, often a
lifestyle change that is generally interpreted as advantageous. The name comes from the fact that these commitments normally go into effect
on New Year's Day.

What i wished you in 2010 is to show more tolerance of others. We came from a long way back from 2000 especially on AMSAT-BB. Just read the
archives but there is still progress to accomplish. If tolerance can be the path to human reconciliation here it will not hurt to expand it
out of here...

As written on this BB:

>> ... I don't want to be a troublemaker ... ME!

Since when, Luc? Is this a New Years' resolution of some sort?

If tolerance of others is interpreted as a way to make trouble i guess yes but if my opinions can make only one think just ounce
differently about issues and amateur radio satellite future i already fulfil my resolution.

In the mean time I wish you Health and may this New Year bring newly found prosperity, love, happiness and delight in your life.

Here is some text who i hope can be of some help to us all.

Criticism is the judgment (using analysis and evaluation) of the merits and faults of the actions or work of another individual. Criticism
can mean merely to evaluate without necessarily finding fault; however, usually the word implies the expression of disapproval.

Vulnerability with their own self-esteem makes individuals with narcissistic personality disorder very sensitive to criticism or defeat.
Although they may not show it outwardly, criticism may haunt them and leave them feeling humiliated, degraded, hollow, and empty. They may
react with disdain, narcissistic rage, or defiant counterattack.

Narcissists are extremely sensitive to personal criticism and extremely critical of other people. They think that they must be seen as
perfect or superior or infallible or else they are worthless. There's no middle ground

The narcissist is constantly on the lookout for slights. He is hypervigilant. He perceives every disagreement as criticism and every
critical remark as complete and humiliating rejection: nothing short of a threat.

Criticism and paranoids

Individuals with paranoid personality disorder are often rigid, critical of others, although they have great difficulty accepting criticism themselves.

Criticism and avoidants

Individuals with avoidant personality disorder are hypersensitive to criticism or rejection. They build up a defensive shell.

Feel free to add to this list below

Afrikaans : Geseënde Kersfees en `n gelukkige nuwe jaar

Albanian : Gëzuar Krishtlindjet e Vitin e Ri

Arabic :

Azeri : Tezze iliniz yahsi olsun

Basque : Zorionak eta urte berri on

Breton : Nedeleg laouen ha bloavezh mat

Bulgarian : !

Byelorussian : i i

Catalan : Bon Nadal i feliç any nou

Chinese (Cantonese) :

Chinese (Mandarin) : []

Comanche : Tsaa Nuusukatu Waa Himaru

Cornish : Nadelik lowen ha blydhen nowydh da

Croatian : Sretan Bozic i uspjesna Nova godina

Czech : Veselé vánoce a stastný nový rok

Danish : Glædelig jul og godt nytår

Dutch : Prettige Kerstdagen en een gelukkig nieuw jaar

English : Merry Christmas and Happy New Year

Esperanto : Bonan Kristnaskon kaj feli^can novan jaron

Estonian : Häid Jõule ja õnnelikku uut aastat

Faroese : Gledhilig Jol og eydnurikt nyggjar

Finnish : Hyvää joulua ja onnellista uutta vuotta

Flemish : Zalig kerstfeest en gelukkig Nieuwjaar

Frisian : Noflike Krystdagen en in protte Lok en Seine yn it Nije Jier

Français/French : Joyeux Noël et bonne année

Gaelic (Irish) : Nollaig Shona agus Athbhliain faoi mhaise duit

Gaelic (Manx) : Nollick ghennal as blein vie noa

Gaelic (Scottish) : Nollaig chridheil agus bliadhna mhath ùr

Galician : Bo Nadal e próspero aninovo

German : Frohe Weihnachten und ein frohes neues Jahr

Greek :

Greenlandic : Juullimi ukiortaasamilu pilluaritsi

Hausa : Barka da Kirsimatikuma barka da sabuwar shekara

Hebrew :

Hungarian : Kellemes karácsonyt és boldog új évet

Icelandic : Gleðileg jól og farsælt komandi ár

Ilocano : Naimbag a Pascua ken Naragsac nga Baro nga Tawen!

Indonesian : Selamat hari Natal

Italian : Buon Natale e felice anno nuovo

Japanese :

Jèrriais : Bouan Noué et Bouanne Année

Judeo-Spanish : Ladino Noel alegre i felis anyo muevo

Kazakh :

Kirghiz :

Korean :

Kurdish (Kurmanji) : Kirîsmes u ser sala we pîroz be

Kurdish (Sorani) : Kirîsmes u salî nwêtan lê pîroz bê

Latin : Natale hilare et annum faustum

Latvian : priecigus Ziemassvetkus un laimigu Jauno gadu

Low Saxon : Heughliche Winachten un `n moi Nijaar

Maltese : Il-Milied u s-sena t-tabja

Maori : Meri Kirihimete Ka puta a Matariki, ka rere a Whanui, ko te tohu o te tau

Monogasque : Festusu Natale e Bona ana noeva

Manx : Nollick ghennal as blein vie noa

Norwegian (Bokmål) : God jul og godt nyttår

Norwegian (Nynorsk) : God jol og godt nyttår

Oriya : Sukhamaya christmass ebang khusibhara naba barsa

Persian/Farsi :

Polish : Wesolych ´Swiat i szcze´sliwego Nowego Roku

Portuguese : Feliz Natal e próspero ano novo

Quenya : Alassëa Hristomerendë! Alassëa Vinyarië!

Romanian : Craciun fericit si un an nou fericit

Russian :

Serbian (Orthodox) :

Serbian (Non-Orthodox) :

Sicilian : Bon Natali e filici annu novu

Sindarin : Mereth Veren e-Doled Eruion! Garo Idhrinn Eden Veren!

Slavomacedonian :

Slovak : Veselé vianoce a stastný nový rok

Slovenian : Vesel Bozic in srecno novo leto

Somali : Ciid wanaagsan iyo sanad cusub oo fiican

Spanish : ¡Feliz Navidad y próspero año nuevo!

Swedish : God jul och gott nytt år

Tagalog : Maligayang Pasko at manigong bagong taon

Thai :

Turkish : Yeni yilinizi kutlar, saglik ve basarilar dileriz

Ukranian : B

Urdu :

Uzbek : Yangi Yil Bilan

Vietnamese : Chúc Giáng Sinh Vui V và Chúc Nam Mi Tt Lành

Welsh : Nadolig llawen a blwyddyn newydd dda

Xhosa : Siniqwenelela Ikrisimesi EmnandI Nonyaka Omtsha Ozele Iintsikelelo

Zulu : Sinifesela Ukhisimusi Omuhle Nonyaka Omusha Onempumelelo

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3049. Re: [eu-amsat] XW-1 BBS over Africa (1st time)

Yahoo group: eu-amsat
Date: 2009-12-30 10:59:13 UTC
From: Thomas Frey
Topic: 3045 Message: 3049

st2nh wrote:
> Hi All and HNY
>
> I h've succeded connect to the XW-1 BBS , Orbit # 192 ,18:05 UTC.
> Wisp upload window pop-up 3 times !! But the FM voice was longer than the
> re-try time!!
>
> For sure I wll upload my messages soon on XW-1 BBS .This is really fun.
>

Hello Nader

Was your 67 Hz tone activated during your packet cantact or is the
CTCSS tone not needed ?

>
> Thanks again Alan Kung and XW-1 team for the new schedule and for the Multi
> Mode New Year Gift . :)
>
> 73's Nader st2nh
>
>
> www.st2nh.com
>
>
>

Thanks, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3050. Re: XW-1 BBS over Africa (1st time)

Yahoo group: eu-amsat
Date: 2009-12-30 12:08:04 UTC
From: st2nh
Topic: 3045 Message: 3050

Hi Thomas & Group

As stats on XW-1 Store-forward Transponder User's Manual
(PL 67Hz tone must be turned off.)

Hope a good luck with BBS OM Thomas .

**********HNY**********

73'Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> st2nh wrote:
> > Hi All and HNY
> >
> > I h've succeded connect to the XW-1 BBS , Orbit # 192 ,18:05 UTC.
> > Wisp upload window pop-up 3 times !! But the FM voice was longer than the
> > re-try time!!
> >
> > For sure I wll upload my messages soon on XW-1 BBS .This is really fun.
> >
>
> Hello Nader
>
> Was your 67 Hz tone activated during your packet cantact or is the
> CTCSS tone not needed ?
>
> >
> > Thanks again Alan Kung and XW-1 team for the new schedule and for the Multi
> > Mode New Year Gift . :)
> >
> > 73's Nader st2nh
> >
> >
> > www.st2nh.com
> >
> >
> >
>
> Thanks, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/

>

3051. Re: [eu-amsat] Sounhd advice.

Yahoo group: eu-amsat
Date: 2009-12-30 13:18:52 UTC
From: Thomas Frey
Topic: 3047 Message: 3051

John Hackett wrote:
>
>
> Newcomers,
>
> George KA3HSW is (thankfully) repeating what GM1SXX and LA2QAA have been
> saying for many years now ... see <http://www.observations.biz> ...
> however, it
> deserves yet another airing ... go ahead George ...
> .....
.....
>
> With your 2-radio setup, you should definitely leave your uplink
> frequency
> fixed, and tune only the downlink. Unless you have full computer control
> for doppler, this is the "One True Rule" anyway: tune only the higher of
> the two frequencies, where the doppler shift is greatest (about 9 kHz at
> 435). (If you ever get on VO-52, note that it has a VHF downlink and
> a UHF
> uplink, so you would tune the uplink there instead.)

Hello All

This "rules" never works in the practice. OPs have different meanings,
rigs and software. If you want a rule, then the "fixed downlink rule"
is the best: tune only the uplink and let the downlink be fixed. I
can not see any disadvantage with this rule.

>
> Remember that the transponder is INVERTING: you must uplink on LSB, and
> listen to the downlink on USB. Also, the higher your downlink
> frequency is
> in the passband, the LOWER your uplink frequency will be. CW is
> generally
> found in the lower half of the passband (435.715 - 435.740) and voice
> in the
> upper half (435.740 - 435.765). Therefore, you should pick a downlink
> frequency above .740, and set your uplink radio to the corresponding
> frequency (the same amount DOWN from 145.950, the center of the uplink
> passband, as your downlink frequency is ABOVE 435.740, ie, an uplink of
> 145.940 for a downlink of 435.750)

Correct and fully agreed. BUT when you tune the downlink and not the
uplink, you moves downward (eventually) into other QSO's and below the
center and into the lower half of the passband.

> Pick a clear frequency, but don't go too
> high up, as most voice activity tends to stay pretty close to the center.
> For convenience, you might want to make up a little nomograph or chart
> that
> has the downlink frequencies on one line/column, and their corresponding
> uplink frequencies on another.

OK, with full CAT no problem.

>
> As far as power goes, the general rule has always been that your downlink
> should be no stronger than the beacon. That way, you're not tripping the
> AGC & knocking down someone else's signal. The FCC rule is, the minimum
> power necessary. Others have reported that 5 watts to an Arrow is
> sufficient.

OK, on AO-10 and AO-13 it was the rule to not produce a downlink
signal stronger than the beacon signal. On AO-7 we have no beacon
but on VO-52 and HO-68. The Phase-3 transponders are different to
them on OSCAR's 52 & 68. General rules are not needed, if every
OM operates with sanity.

>
> Transmit either a slow voice count or a string of CW dits or V's while
> tuning your receiver around the predicted downlink frequency until you
> hear
> yourself.

Sorry, I'm a "VFO swisher", but a careful one.

> Early in a pass, while the bird is coming toward you, it'll be
> higher, and drift downward as the pass progresses. Call CQ, and
> listen for
> someone coming back. They probably won't be right on your downlink
> frequency, as doppler shift will be different at their location than at
> yours, so you'll have to tune your downlink to them.

If both OM's tune their uplink to the same downlink QRG, they
will never have a doppler problem.

> Hopefully, they will
> tune theirs to match yours.

Yes, tune uplink to match the downlink.

> You'll get the hang of it pretty quickly.
>
> Good luck, & hope to hear you on the birds!
>
> George, KA3HSW
> .....
> .....
.....
>

> 73 John. <la2qaa@...>
>

What do you think now about my "let the downlink be fixed" rule ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3052. Re: doppler conventions.

Yahoo group: eu-amsat
Date: 2009-12-30 21:03:53 UTC
From: John Hackett
Topic: 3047 Message: 3052

Hello Thomas,
Obviously, the *One True Rule* by KB5MU of tuning for a fixed frequency at the SATELLITE is the correct one ...

<http://www.amsat.org/amsat/features/one_true_rule.html>

However, this is based on the fact that everybody has an auto-doppler tuning rig with appropriate software ... WHICH IS NOT THE CASE IN THE REAL WORLD.

About 15 years ago, I wrote in an Amsat-UK publication that there were TWO (2) conventions for doppler tuning ... actually, there were more but mainly t5hey were split between the 'American* version and the *European' version. The Satellite Handbook' (American) endorsed one and Commander John Brannegan's book (GM4IHJ) endorsed the other.

Personally, I'm in the category of not *USING* 'automatic' doppler tuning (though I have homebrewed a system). I follow GM4IHJ's convention of tuning the higher frequency *REGARDLESS* of uplink or downlink - simply because of the FACT of the higher the frequency, the more the doppler deviation.

This is because I *DON'T* have an automatic doppler tuning rig ... like *VERY* many other operators.

Everybody is entitled to his or her opinion and will probably still be debated in the next decade.

The above is my personal opinion and I have noted 'why' it is so.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 30 Dec 2009 14:18:52 +0100
Subject: Re: [eu-amsat] Sounhd advice.

John Hackett wrote:

>

>

> Newcomers,

>

> George KA3HSW is (thankfully) repeating what GM1SXX and LA2QAA have been

> saying for many years now ... see <http://www.observations.biz> ...

> however, it

> deserves yet another airing ... go ahead George ...

> ....

>

> With your 2-radio setup, you should definitely leave your uplink

> frequency

> fixed, and tune only the downlink. Unless you have full computer control

> for doppler, this is the "One True Rule" anyway: tune only the higher of

> the two frequencies, where the doppler shift is greatest (about 9 kHz at

> 435). (If you ever get on VO-52, note that it has a VHF downlink and

> a UHF

> uplink, so you would tune the uplink there instead.)

Hello All

This "rules" never works in the practice. OPs have different meanings,

rigs and software. If you want a rule, then the "fixed downlink rule"

is the best: tune only the uplink and let the downlink be fixed. I

can not see any disadvantage with this rule.

>

> Remember that the transponder is INVERTING: you must uplink on LSB, and

> listen to the downlink on USB. Also, the higher your downlink

> frequency is

> in the passband, the LOWER your uplink frequency will be. CW is

> generally

> found in the lower half of the passband (435.715 - 435.740) and voice

> in the

> upper half (435.740 - 435.765). Therefore, you should pick a downlink

> frequency above .740, and set your uplink radio to the corresponding

> frequency (the same amount DOWN from 145.950, the center of the uplink

> passband, as your downlink frequency is ABOVE 435.740, ie, an uplink of

> 145.940 for a downlink of 435.750)

Correct and fully agreed. BUT when you tune the downlink and not the uplink, you moves downward (eventually) into other QSO's and below the center and into the lower half of the passband.

> Pick a clear frequency, but don't go too
> high up, as most voice activity tends to stay pretty close to the center.
> For convenience, you might want to make up a little nomograph or chart
> that
> has the downlink frequencies on one line/column, and their corresponding
> uplink frequencies on another.

OK, with full CAT no problem.

>
> As far as power goes, the general rule has always been that your downlink
> should be no stronger than the beacon. That way, you're not tripping the
> AGC & knocking down someone else's signal. The FCC rule is, the minimum
> power necessary. Others have reported that 5 watts to an Arrow is
> sufficient.

OK, on AO-10 and AO-13 it was the rule to not produce a downlink signal stronger than the beacon signal. On AO-7 we have no beacon but on VO-52 and HO-68. The Phase-3 transponders are different to them on OSCAR's 52 & 68. General rules are not needed, if every OM operates with sanity.

>
> Transmit either a slow voice count or a string of CW dits or V's while
> tuning your receiver around the predicted downlink frequency until you
> hear
> yourself.

Sorry, I'm a "VFO swisher", but a careful one.

> Early in a pass, while the bird is coming toward you, it'll be
> higher, and drift downward as the pass progresses. Call CQ, and

> listen for

> someone coming back. They probably won't be right on your downlink

> frequency, as doppler shift will be different at their location than at

> yours, so you'll have to tune your downlink to them.

If both OM's tune their uplink to the same downlink QRG, they

will never have a doppler problem.

> Hopefully, they will

> tune theirs to match yours.

Yes, tune uplink to match the downlink.

> You'll get the hang of it pretty quickly.

>

> Good luck, & hope to hear you on the birds!

>

> George, KA3HSW

> .....

> .....
.....

>

> 73 John. <la2qaa@...>

>

What do you think now about my "let the downlink be fixed" rule ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3053. HO 68

Yahoo group: eu-amsat
Date: 2009-12-31 16:53:09 UTC
From: Luc Leblanc
Topic: 3053 Message: 3053

On the 1607 pass on HO-68 i was able to contact ON8BNW but QRZ.com does not report anything on this call sign could be a mistake when i
wrote it down? any help appreciated. 73 and Happy New Year my fist wished does not pass the censorship office...
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3054. Re: HO 68

Yahoo group: eu-amsat
Date: 2009-12-31 18:00:37 UTC
From: mika.siira
Topic: 3053 Message: 3054

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On the 1607 pass on HO-68 i was able to contact ON8BNW but QRZ.com does not report anything on this call sign could be a mistake when i
> wrote it down? any help appreciated. 73 and Happy New Year my fist wished does not pass the censorship office...
> "-"
>

Hello Luc,

It was me, at least I gave you 59 signal report and my locator :)
Heard my own signal clear at the downlink at the time I answered to you call.
If you didn't copy my call correctly I presume we didn't have "2-way" contact, but we can try to complete the QSO some other day.

Mika, OH8MBN

3055. Re: [eu-amsat] Re: HO 68

Yahoo group: eu-amsat
Date: 2009-12-31 19:38:09 UTC
From: Luc Leblanc
Topic: 3053 Message: 3055

On 31 Dec 2009 at 18:00, mika.siira wrote:

Date sent: Thu, 31 Dec 2009 18:00:37 +0000
From: "mika.siira" <mika.siira@...>
Subject: [eu-amsat] Re: HO 68
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

>
>
> --- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> >
> > On the 1607 pass on HO-68 i was able to contact ON8BNW but QRZ.com does not report anything on this call sign could be a mistake when i
> > wrote it down? any help appreciated. 73 and Happy New Year my fist wished does not pass the censorship office...
> > "-"
> >
>
> Hello Luc,
>
> It was me, at least I gave you 59 signal report and my locator :)
> Heard my own signal clear at the downlink at the time I answered to you call.
> If you didn't copy my call correctly I presume we didn't have "2-way" contact, but we can try to complete the QSO some other day.
>
> Mika, OH8MBN
>
>
>
Thank's Mika i will not push it to this extent it's too far from your real call sign and i was fiddling with the knobs and elevation
actuator just at 3 degrees at AOS. Next time i will put my recorder on...HI and yes the 59 signal report stands

Happy New Year

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3056. New satellite log

Yahoo group: eu-amsat
Date: 2010-01-02 15:36:14 UTC
From: John Hackett
Topic: 3056 Message: 3056

For those that remember what I used to do with the AO-7 Resource Page log should try this one <http://vk4tec.no-ip.org/sat_report/> by Andrew VK4TEC.

73 John. <la2qaa@...>

EU-Amsat founder. Homepage http://www.observations.biz

3057. Sat log

Yahoo group: eu-amsat
Date: 2010-01-02 15:52:37 UTC
From: John Hackett
Topic: 3057 Message: 3057

Group,
A better link.

<http://vk4tec.no-ip.org/sat_report/>

73 John. <la2qaa@...>

3058. Re: [eu-amsat] New satellite log

Yahoo group: eu-amsat
Date: 2010-01-02 16:30:06 UTC
From: Thomas Frey
Topic: 3056 Message: 3058

John Hackett wrote:
>
>
> For those that remember what I used to do with the AO-7 Resource Page log
> should try this one <http://vk4tec.no-ip.org/sat_report/> by Andrew
> VK4TEC.
>
> 73 John. <la2qaa@...>
>
> EU-Amsat founder. Homepage http://www.observations.biz
> ___

There is no possibility for a correction. The column "Country" is
needless, we can see the country in our call prefix.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3059. 3 Messages to HO-68 in one pass1

Yahoo group: eu-amsat
Date: 2010-01-02 22:57:40 UTC
From: st2nh
Topic: 3059 Message: 3059

Steve Ford WB8IMY mentions at 1996 QST article (No matter how long you 've been licensed .there's nothing to compare with pure joy of accomplishment !)

I succeeded to upload a 3 messages to HO-68 (HOPE-1) satellite in one Orbit .orbit # 246 time was 18:36 ¡V 18:55 date 2-jan-2010 at KK65GP. Messages send to my friends

Mike DK3WN
Mineo JE9PEL
Alan Kung and the team behind the success of XW-1 satellite

A link for some photo

http://picasaweb.google.com/Nader.st2nh/Hope1SatelliteBbsMessages#

The upload is soooo smooth the packets frames squeezes itself between the FM phone transmition Thorough the whole pass there were many station in QSO's But the satellite hold the packet (as someone hold it breath) and when ever the channel is free it send down the frames □º . . Thanks to Camsat for this wonderful Bird.

Setup here ICOM 910 ,ARR preamp, homebrew X Yagi
Symek tnc3s ,,ARS drive Yaesu G5500,
Pc Dell 2G ram 2G

Software OP XP with SP3,Wisp (unregested yet!).Nova.WinARS.

http://www.st2nh.com/myequipments

I miss 9600 on AO-51 at uhf with 9600 BPS

http://www.st2nh.com/photos

73 Nader ST2NH
www.st2nh.com

3060. RE: [eu-amsat] New satellite log

Yahoo group: eu-amsat
Date: 2010-01-02 23:18:04 UTC
From: John Hackett
Topic: 3056 Message: 3060

Good points Thomas,
I've mailed your comments to the author.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sat, 2 Jan 2010 17:30:06 +0100
Subject: Re: [eu-amsat] New satellite log

John Hackett wrote:

>

>

> For those that remember what I used to do with the AO-7 Resource Page log

> should try this one <http://vk4tec.no-ip.org/sat_report/> by Andrew

> VK4TEC.

>

> 73 John. <la2qaa@...g>

>

> EU-Amsat founder. Homepage http://www.observations.biz

> ___

There is no possibility for a correction. The column "Country" is

needless, we can see the country in our call prefix.

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3061. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2010-01-03 07:05:01 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 3061

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /eqsl.png
Uploaded by : yo9gjx <yo9gjx@...>
Description : eQsl settingsa

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/eqsl.png

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

3062. eQsl

Yahoo group: eu-amsat
Date: 2010-01-03 07:07:29 UTC
From: yo9gjx
Topic: 3062 Message: 3062

I put a file with the good settings for eqsl log entry because i get a lot of eqsl's with wrong data.
Is really very easy you need only pacience. Hi
The file is named eqsl.png

3063. RE: [eu-amsat] New satellite log

Yahoo group: eu-amsat
Date: 2010-01-03 11:32:00 UTC
From: John Hackett
Topic: 3056 Message: 3063

Vk4tex de La2qaa,
I've forwarded your comment to the EU-Amsat group where the
comment on your log originated.

As the ex: moderator of the AO-7 Resource page it was my experience that
at least 40% of AMATEUR operators just clicked anyway - mistakes and all - and
made a pigs arse out of the log - the data, then, over time, became practically useless for
it's intended purpose and instead became a 'points' table ... which it still is.

(which is also the reason I threw in the towel).

(I tried to make people aware of the above fact, to no avail) ... even to the extent of
a 'corrections' request list - (I could of course edit each individual entry) - but it
became
too sloppy in the end, so I gave up.

73 John. <la2qaa@...>

From: vk4tec@...
To: la2qaa@...; eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] New satellite log
Date: Sun, 3 Jan 2010 10:30:12 +1000

That's assuming users are ham radio
operators

The system assumes you check before you hit
submit

----- Original Message -----
From:
John Hackett
To: eu-amsat@yahoogroups.com
Cc: vk4tec@...
Sent: Sunday, January 03, 2010 9:18
AM
Subject: RE: [eu-amsat] New satellite
log

Good points
Thomas,

I've mailed your comments to the author.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From:

th.frey@...
Date: Sat, 2 Jan
2010 17:30:06 +0100
Subject: Re: [eu-amsat] New satellite log

John Hackett wrote:
>
>
> For those
that remember what I used to do with the AO-7 Resource Page log
> should
try this one <http://vk4tec.no-ip.org/sat_report/>
by Andrew
> VK4TEC.
>
> 73 John. <la2qaa@...>
>
>
EU-Amsat founder. Homepage http://www.observations.biz
>

There is no possibility for a correction. The column "Country"
is
needless, we can see the country in our call prefix.

Mit
freundlichen Grüssen, Regards, 73
Thomas Frey,
HB9SKA

Thomas
Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

No virus found in this incoming message.
Checked by AVG -
www.avg.com
Version: 8.5.431 / Virus Database: 270.14.124/2597 - Release
Date: 01/02/10 08:22:00

3064. RE: [eu-amsat] New satellite log

Yahoo group: eu-amsat
Date: 2010-01-03 14:30:48 UTC
From: Simon HB9DRV
Topic: 3056 Message: 3064

Re: 'Country from Callsign' - this is not true for special UK calls :(

Simon Brown

http://sdr-radio.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of John Hackett
Sent: 03 January 2010 12:32

Vk4tex de La2qaa,
I've forwarded your comment to the EU-Amsat group
where the
comment on your log originated.

3065. Re: [eu-amsat] New satellite log

Yahoo group: eu-amsat
Date: 2010-01-03 16:16:14 UTC
From: Thomas Frey
Topic: 3056 Message: 3065

Simon HB9DRV wrote:
>
>
> Re: 'Country from Callsign' - this is not true for special UK calls :(
>
> Simon Brown
>
> http://sdr-radio.com
>

Hello Simon

Hmmm... can you give us an example? If I look on my ITU-list
I'll find many prefixes for UK and North Ireland, not only
G and M.

> *From:* eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] *On
> Behalf Of *John Hackett
> *Sent:* 03 January 2010 12:32
>
>
> Vk4tex de La2qaa,
> I've forwarded your comment to the EU-Amsat
> group where the
> comment on your log originated.
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3066. AMSAT-NA TREASURER STEPS DOWN

Yahoo group: eu-amsat
Date: 2010-01-04 06:16:03 UTC
From: Luc Leblanc
Topic: 3066 Message: 3066

```
>
> SB SAT @ AMSAT $ANS-003.01
> AMSAT Treasurer Change
>
> AMSAT News Service Bulletin 003.01
> From AMSAT HQ SILVER SPRING, MD.
> January 3, 2010
> To All RADIO AMATEURS
> BID: $ANS-003.01
>
> LONG-SERVING AMSAT-NA TREASURER STEPS DOWN
>
> In a mid-December, 2009 letter to the AMSAT-NA Board of Directors,
> AMSAT-NA's long-serving Treasurer, Gunther Meisse, W8GSM, announced his
> intent to step aside from that position effective December 31st, 2009. In
> his letter to the Board, Gunther cited personal business pressures and his
> wish to spend more time with family as reasons for his decision.
>
> "It is with regret that I find it appropriate to tender my resignation from
> the position of Treasurer of AMSAT, effective December 31, 2009", Gunther
> said. "I have enjoyed the my involvement with the largest brain trust in
> amateur radio. The people I have had the opportunity to work with have truly
> given me much more than I have contributed. Together, we have moved AMSAT
> through some difficult and exciting times and I am sure the present
> leadership team and Board of Directors will continue on a positive path over
> the coming years," he concluded.
>
```

I ask a question on my personal web page to Gunther. I don't know if the AMSAT-NA censorship office will let this one pass? But in any case i crossed posted this one on "eu-amsat@yahoogroups.com" Apparently the last free amateur radio bulletin board on the internet correct me if i'm wrong?

If AMSAT-BOD mixed 2009-2010 mixture and his afterburner gas AMSAT-BB defenders seems to not having taken any New Years' resolution of some sort, has suggested by George Henry. I renew all my 2009 resolution and i will put all my censored post on AMSAT-BB on my Web Page in 2010 even if they are actually cross posted at 99.99% on eu-amsat@yahoogroups.com.

As per previous declaration made by Gunther Meisse just after i pointed out "MAJOR" issues in the AMSAT-NA financial statement it seems his biggest "innovative accounting procedures" called "the voluntary reporting system to document the value of AMSAT volunteer hours" as an asset element... in the financial statement was probably inspired by the "commercial paper/sub prime" fashion.

It is not something who should appear in any financial statement and if it appears it should only be a footnote used by the BOD for some
sort of administrative measuring tool. Never ever to be used to artificially boost the revenue or asset column.

My little finger told me it is this very stupid accounting procedures who spring it back in his face actually and Gunther will surely
correct us all at the same time he will answer us all how much of his goals he achieved in his June 25 2003 letter. See my web page on
www.qsl.net/ve2dwe

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3067. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2010-01-04 06:18:39 UTC
From: Luc Leblanc
Topic: 2813 Message: 3067

Good morning Thomas

I just hope you get my two (2) New Year wishes as they are not been posted on AMSAT-BB. As per your October 4 2009 text (see below) Did you
think i'm still having " technical problems when my mail "?

Just to be sure i copy below another one that i sent ON amsat-bb just after this one and i will apreciate your finest expertise about my
mail issues?

Just to refresh your mind...

> Luc, I disbelieve, that your mails are censored on the "-BB"

On 4 Oct 2009 at 16:33, Thomas Frey wrote:

Date sent: Sun, 04 Oct 2009 16:33:45 +0200
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> Luc, I disbelieve, that your mails are censored on the "-BB". I think,
> you have technical problems when your mail not appears. I saw mails
> from you also with wrong dates, a few weeks back from the actual date.
>
> When you mean, that your mail is censored and you make a copy to this
> group, thats annoying. Why ? You rice a topic out from a thread and
> nobody knows the whole content. This is senseless.
>
> If you mean, a thread on -BB is also interesting for our group, then
> you can copy the whole thread and we can discuss about it. Also about
> powergenerators.
>
> Sorry about my complains. But I read too much from your "censored" mails
> now.
>
>
> 73 and have a nice Sunday
> Thomas, HB9SKA
> _____

I should probably not give you the patronizing definition but just in case it will be applicable here it is: patronizing - (used of
behaviour or attitude) characteristic of those who treat others with condescension.

I don't know if you take some New Year's resolutions but i can tell you one i just renew " I remember" and here is a link who will help
you to understand licence plate...

http://www.onf-nfb.gc.ca/eng/collection/film/?id=51059

In the mean time just read back my previous message and checked if it appears on AMSAT-BB and feel fre to give me your sound advice.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3068. SatExpo

Yahoo group: eu-amsat
Date: 2010-01-04 06:45:49 UTC
From: yo9gjx
Topic: 3068 Message: 3068

http://www.satexpo.it/en/

3069. Credit where it's due ...

Yahoo group: eu-amsat
Date: 2010-01-04 11:12:47 UTC
From: John Hackett
Topic: 3069 Message: 3069

Group,

Luc said ...

>I crossed posted this one on "eu-amsat@yahoogroups.com" Apparently the last free >amateur radio bulletin board on the internet correct me if I'm wrong?.

The 'VERY' reason this group came about was for a forum *WITHOUT* censorship when amateur satellite operators could express their personal opinion *WITHOUT* being censored, flamed, ridiculed, criticised or otherwise demeaned.

All we ask is a small sense of decorum, common sense, no discrimination and no foul language.

This group *IS* moderted but I am extreemly proud of the fact that we have *NEVER* (so far) needed to exclude anyone for any or all of the above reasons.

That is a compliment to each and every valued member of this group.

Just so you know ...

73 John. <la2qaa@...>

3070. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2010-01-04 11:32:14 UTC
From: Thomas Frey
Topic: 2813 Message: 3070

Luc, here is not the place for personal attacks. I also wish you a peaceful
and censor free new Year.

Luc Leblanc wrote:
> Good morning Thomas
>
> I just hope you get my two (2) New Year wishes as they are not been posted on AMSAT-BB.
As per your October 4 2009 text (see below) Did you
> think i'm still having " technical problems when my mail "?
>
> Just to be sure i copy below another one that i sent ON amsat-bb just after this one and
i will apreciate your finest expertise about my
> mail issues?
>
> Just to refresh your mind...
>
>
>> Luc, I disbelieve, that your mails are censored on the "-BB"
>>
> On 4 Oct 2009 at 16:33, Thomas Frey wrote:
>
> Date sent: Sun, 04 Oct 2009 16:33:45 +0200
> From: Thomas Frey<th.frey@...>
> Subject: Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system
> To: eu-amsat@yahoogroups.com
> Send reply to: no_reply@yahoogroups.com
>
>
>> Luc, I disbelieve, that your mails are censored on the "-BB". I think,
>> you have technical problems when your mail not appears. I saw mails
>> from you also with wrong dates, a few weeks back from the actual date.
>>
>> When you mean, that your mail is censored and you make a copy to this
>> group, thats annoying. Why ? You rice a topic out from a thread and
>> nobody knows the whole content. This is senseless.
>>
>> If you mean, a thread on -BB is also interesting for our group, then
>> you can copy the whole thread and we can discuss about it. Also about
>> powergenerators.
>>
>> Sorry about my complains. But I read too much from your "censored" mails
>> now.
>>
>>
>> 73 and have a nice Sunday

>> Thomas, HB9SKA
>> _____
>>
> I should probably not give you the patronizing definition but just in case it will be applicable here it is: patronizing - (used of
> behaviour or attitude) characteristic of those who treat others with condescension.
>
> I don't know if you take some New Year's resolutions but i can tell you one i just renew " I remember" and here is a link who will help
> you to understand licence plate...
>
> http://www.onf-nfb.gc.ca/eng/collection/film/?id=51059
>
> In the mean time just read back my previous message and checked if it appears on AMSAT-BB and feel fre to give me your sound advice.
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
>

--

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3071. Censorship? ...

Yahoo group: eu-amsat
Date: 2010-01-04 11:33:48 UTC
From: John Hackett
Topic: 3071 Message: 3071

Thomas,
As a matter of interest ...

I too have been on occasion censored on the Amsat-bb.

On at least two occasions where (in my honest opinion) I have offered constructive criticism about the Amsat-NA webpage being out of date - my mails have *NOT* appeared on ther bulletin board - my intention was to merely make the person concerned aware of the proplem - however I *DID* recieved a rather unpolite e- mail off list mail from Andrew Glasbrenner informing me that (quote) "I have contributed nothing! to Amsat and *ONLY* criticise and complain" (End of quote).

(I have in fact contributed quite a lot over the years).

Just last week an HA station did the same and was publicly "hung out to dry" by the same person.

Naturally, I have no wish to me part of a group with leaders that have the attitude of ... "Follow the 'party line' or keep quiet" ...

They'll miss me about just as much as I'll miss them.

Oh yes ... the other mail that just happened to *disappear* was one where I'd commented that IN MY PERSONAL OPINION Amsat were shooting themselves in the foot by getting into bed with the universities - (under the banner of education).

Some personal opinions are *NOT* tolerated on the other side of the pond.

73 John. <la2qaa@...>

3072. Re: [eu-amsat] Censorship? ...

Yahoo group: eu-amsat
Date: 2010-01-04 13:56:23 UTC
From: Thomas Frey
Topic: 3071 Message: 3072

John Hackett wrote:
>
>
> Thomas,
> As a matter of interest ...
>
> I too have been on occasion censored on the Amsat-bb.
>
> On at least two occasions where (in my honest opinion) I have offered
> constructive
> criticism about the Amsat-NA webpage being out of date - my mails have
> *NOT* appeared
> on ther bulletin board - my intention was to merely make the person
> concerned aware of the proplem - however I *DID* recieved a rather
> unpolite e- mail off list mail from Andrew Glasbrenner informing me
> that (quote) "I have contributed nothing! to Amsat and *ONLY*
> criticise and complain" (End of quote).
>
> (I have in fact contributed quite a lot over the years).
>
> Just last week an HA station did the same and was publicly "hung out
> to dry" by the same
> person.
>
> Naturally, I have no wish to me part of a group with leaders that have
> the attitude of ... "Follow the 'party line' or keep quiet" ...
>
> They'll miss m e about just as much as I'll miss them.
>
> Oh yes ... the other mail that just happened to *disappear* was one
> where I'd commented that IN MY PERSONAL OPINION Amsat were shooting
> themselves in the foot by getting into bed with the universities -
> (under the banner of education).
>
> Some personal opinions are *NOT* tolerated on the other side of the pond.
>
> 73 John. <la2qaa@...>
>
>
>

OK John, I take note of it. I have no experience with AMSAT-BB.
I'm subscribed in digest mode to read the stuff. Everyone is free
to unsubscribe if its mails are censored. I'm always cautious with
such reprovals. The most problems are housemade.

I'm glad to be a member of this group, in which I also can post my critical meanings. My compliment.

Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3073. Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system

Yahoo group: eu-amsat
Date: 2010-01-04 14:19:31 UTC
From: Luc Leblanc
Topic: 2813 Message: 3073

On 4 Jan 2010 at 12:32, Thomas Frey wrote:

Date sent: Mon, 04 Jan 2010 12:32:14 +0100
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] Re: [amsat-bb] FW: OFF grid solar system
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

> Luc, here is not the place for personal attacks. I also wish you a peaceful
> and censor free new Year.

I fully agree with you Thomas as you seems to agree about AMSAT-BB censorship issues? It is also not a place to patronizing anyone as it
can be interpreted (probably wrongly) as personal attack too.

EU-AMSAT discussion forum was the best move made by a couple of dedicated people as L A 2 Q A A , John on Frei Island (IOTA EU-036), G M 1
S X X , Al in Scotland and the late S V 1 B S X , Mak in Athens
http://www.observations.biz/Observations_from_Greece/SV1BSX_Memorial.htm

If between the amateur radio worldwide family we cannot discuss freely how can we present ourselves as "Great communicator" when amateur
radio public bulletin board is censored? America (U.S.A) was not supposed to be the land of freedom and liberty but when we see it actually
the definition of liberty and freedom is interpreted not as the dictionary give but as anyone feel it should fit his own taste.

That's dangerous if you expand this trend a bit more you sow the seeds of intolerance making the intolerance growth soil fertile. And it is
a vicious circle.

Just hope EU-AMSAT will remain as i wrote: " Apparently the last free amateur radio bulletin board on the internet"

Moderating a bulletin board is not an easy task but it should not be a tool to disguised any form of censorship.

A last comment to John you refer to an individual and it is sad to often see highly technical folks lets called them technician became
intolerant and so closed minded up to a point to not been able of any rational judgement.

On the letters i put on my web page you will see this trend too and the human nature make's them regrouping and it is the actual core of
AMSAT-NA BOD and probably the same for some others AMSAT group too! (Just read the last letter last paragraph).

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3074. Correction : OFF grid solar system

Yahoo group: eu-amsat
Date: 2010-01-04 14:26:01 UTC
From: Luc Leblanc
Topic: 3074 Message: 3074

I should wrote John instead of Thomas probably an over optimistic side effect John!

> I fully agree with you Thomas as you seems to agree about AMSAT-BB censorship issues? It is also not a place to patronizing anyone as it
> can be interpreted (probably wrongly) as personal attack too.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3075. RE: [eu-amsat] Censorship? ...

Yahoo group: eu-amsat
Date: 2010-01-04 15:22:51 UTC
From: John Hackett
Topic: 3071 Message: 3075

Excellent ! Thomas,

>I'm glad to be a member of this group, in which I
>also can post my critical meanings. My compliment.

That's precisely! why we started the group. We invite !!! constructive criticism, thereby, hopefully, we can make the group better for everyone.

FB.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 4 Jan 2010 14:56:23 +0100
Subject: Re: [eu-amsat] Censorship? ...

John Hackett wrote:

>

>

> Thomas,

> As a matter of interest ...

>

> I too have been on occasion censored on the Amsat-bb.

>

> On at least two occasions where (in my honest opinion) I have offered

> constructive

> criticism about the Amsat-NA webpage being out of date - my mails have

> *NOT* appeared

> on ther bulletin board - my intention was to merely make the person

> concerned aware of the proplem - however I *DID* recieved a rather

> unpolite e- mail off list mail from Andrew Glasbrenner informing me

> that (quote) "I have contributed nothing! to Amsat and *ONLY*

> criticise and complain" (End of quote).

>

> (I have in fact contributed quite a lot over the years).

>

> Just last week an HA station did the same and was publicly "hung out

> to dry" by the same

> person.

>

> Naturally, I have no wish to me part of a group with leaders that have

> the attitude of ... "Follow the 'party line' or keep quiet" ...

>

> They'll miss m e about just as much as I'll miss them.

>

> Oh yes ... the other mail that just happened to *disappear* was one

> where I'd commented that IN MY PERSONAL OPINION Amsat were shooting

> themselves in the foot by getting into bed with the universities -

> (under the banner of education).

>

> Some personal opinions are *NOT* tolerated on the other side of the pond.

>

> 73 John. <la2qaa@...>

>

>

>

OK John, I take note of it. I have no experience with AMSAT-BB.

I'm subscribed in digest mode to read the stuff. Everyone is free

to unsubscribe if its mails are censored. I'm always cautious with

such reprovals. The most problems are housemade.

I'm glad to be a member of this group, in which I also can post my

critical meanings. My compliment.

Best Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3076. Re: [eu-amsat] Censorship? ...

Yahoo group: eu-amsat
Date: 2010-01-04 15:45:28 UTC
From: Thomas Frey
Topic: 3071 Message: 3076

John Hackett wrote:
>
>
> Excellent ! Thomas,
>
> >I'm glad to be a member of this group, in which I
> >also can post my critical meanings. My compliment.
>
> That's precisely! why we started the group. We invite !!! constructive
> criticism,
> thereby, hopefully, we can make the group better for everyone.
>
> FB.
>
> 73 John.

Thanks John. But I have also to learn to discuss. Its a steady process.
And English is not my mother tongue as you know.

OK, I wish you all a peaceful happy New Year and fun with our satellites.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3077. Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 08:46:39 UTC
From: Al
Topic: 3077 Message: 3077

Hi Group.

This one is for John LA2QAA and Mike DK3WN... and anyone with an interest.

RS-38
I don't think Rs-38 exists. I think the RS-38 was a typo error since Yubileiniy-1 is the latest Radio-Sport bird and it is RS-30. Numberings are generally consecutive.

DOKA-B
Detailed information about the DOKA-B system does not seem to be available. I have only seen it mentioned in the manufacturer's website (Reshetnev) and also in the same site are a couple of drawings of the systems which include DOKA.

DOKA would appear to be both the command computer and telemetry downlink system.... in short... C&C.

DOKA-B is a 'command system' not an individual compoment. The signals from it are more broadband than we expect in the amateur satellite segment, being a type of FSK.

From AMSAT-NA (I suspect Reschetnev really!).....The spacecraft (Yubileiniy-1) central panel carries the DOKA-B equipment comprising the onboard computer; receiving equipment operating in 145 MHz band; transmitting equipment operating in 435 MHz

The Russians (Reshetnev) do publish information on their sute but they don't index it, so webspiders don't 'see' their information 'Dark Internet' ... non indexed. This makes finding information rather laborious :-)

Have a look at....
http://www.southgatearc.org/news/january2010/rs38.htm

Other sources say that Yubileiniy-2 launch has been delayed.I think this is more likely.

I think Mike and Nico seem to be the only people with a real interest in the mystery bird. See...
http://www.mail-archive.com/amsat-bb@.../msg06299.html

Yubileiniy-1.....
http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115&retURL=/satellites/status.php

Happy New Year to all.

73 Al.
GM1SXX

3078. AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 09:30:34 UTC
From: Mike Rupprecht
Topic: 3077 Message: 3078

Hi Al,

thank you very much for your response.

Meanwhile we had some off-list discussions with Nico PA0DLO, Andy G0SFJ and John LA2QAA as well.

The fact is that there is a satellite that transmits CW telemetry with RS 38. And the TLE belongs to Object #35869.

And it fits to a e-mail received last years from a russian contact of Andy:

> "our satellite called as RS-38 also

> Universitetskiy-Tatiana-2 was launched in 17 september 2009 in 19h

> 55min 12 sec DMT (Decret Moscow Time) from

> Baikonur cosmodrome launching pad N 31.

> All onboard systems are working in normal mode.

> Satellite is stabilisated and orientated properly.

> We are working ower it.

> Mass of the satellite 98,2 kg.

> Power of solar batterys 150 Watts, onboard voltage 27 Volts DC.

> Downlink central frequencies are 435.440 MHz and 435.490 MHz for

> onboard systems telemetry and 1.708 GHz for scientific telemetry also.

So there is quite a bit for it.. Maybe we'll get behind this puzzle.

Thanks and best 73,

Mike DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Al
Gesendet: Dienstag, 5. Januar 2010 09:47
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Hi Group.

This one is for John LA2QAA and Mike DK3WN... and anyone with an interest.

RS-38
I don't think Rs-38 exists. I think the RS-38 was a typo error since Yubileiniy-1 is the latest Radio-Sport bird and it is RS-30. Numberings are generally consecutive.

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Detailed information about the DOKA-B system does not seem to be available. I have only seen it mentioned in the manufacturer's website (Reshetnev) and also in the same site are a couple of drawings of the systems which include DOKA.

DOKA would appear to be both the command computer and telemetry downlink system.... in short... C&C.

DOKA-B is a 'command system' not an individual compoment. The signals from it are more broadband than we expect in the amateur satellite segment, being a type of FSK.

From AMSAT-NA (I suspect Reschetnev really!).....The spacecraft (Yubileiniy-1) central panel carries the DOKA-B equipment comprising the onboard computer; receiving equipment operating in 145 MHz band; transmitting equipment operating in 435 MHz

The Russians (Reshetnev) do publish information on their sute but they don't index it, so webspiders don't 'see' their information 'Dark Internet' ... non indexed. This makes finding information rather laborious :-)

Have a look at....
http://www.southgatearc.org/news/january2010/rs38.htm

Other sources say that Yubileiniy-2 launch has been delayed.I think this is more likely.

I think Mike and Nico seem to be the only people with a real interest in the mystery bird. See...
http://www.mail-archive.com/amsat-bb@.../msg06299.html

Yubileiniy-1.....
http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115
<http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115&retURL=/satellites/status.php> &retURL=/satellites/status.php

Happy New Year to all.

73 Al.
GM1SXX

3079. Re: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 13:09:07 UTC
From: Thomas Frey
Topic: 3077 Message: 3079

Mike Rupprecht wrote:
>
>
> Hi Al,
>
> thank you very much for your response.
>
> Meanwhile we had some off-list discussions with Nico PA0DLO, Andy
> G0SFJ and John LA2QAA as well.
>

Hello Mike et all

Such discussions where very interesting in this group ...
Anyway, it was a theme here. After I heard UGATUSat with
DOKA-B last year I ask for observation in this group. But
no response.

> The fact is that there is a satellite that transmits CW telemetry with
> RS 38. And the TLE belongs to Object #35869.
>

From this satellite I heard only DOKA-B on 435.4905 FM yet.
I reported it last November. I observed the whole punch of
Russian satellites and all possible known frequencies.

> And it fits to a e-mail received last years from a russian contact of
> Andy:
>
> > "our satellite called as RS-38 also
>
> > Universitetskiy-Tatiana-2 was launched in 17 september 2009 in 19h
>

The satellite has NORAD number 35869. If its name is UGATUSAT
or Tatiana-2 is not clear. Space-Track.org has it listed it as
UGATUSAT. Without any Russian infos or sources it is officially
UGATUSAT.

> > 55min 12 sec DMT (Decret Moscow Time) from
>
> > Baikonur cosmodrome launching pad N 31.
>
> > All onboard systems are working in normal mode.
>
> > Satellite is stabilisated and orientated properly.
>

> > We are working ower it.
>
> > Mass of the satellite 98,2 kg.
>
> > Power of solar batterys 150 Watts, onboard voltage 27 Volts DC.
>
> > Downlink central frequencies are 435.440 MHz and 435.490 MHz for
>
> > onboard systems telemetry and 1.708 GHz for scientific telemetry also.
>
> So there is quite a bit for it?. Maybe we'll get behind this puzzle.
>
> Thanks and best 73,
>
> Mike DK3WN
>
> *Von:* eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] *Im
> Auftrag von *Al
> *Gesendet:* Dienstag, 5. Januar 2010 09:47
> *An:* eu-amsat@yahoogroups.com
> *Betreff:* [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B
>
> Hi Group.
>
> This one is for John LA2QAA and Mike DK3WN... and anyone with an interest.
>
> RS-38
> I don't think Rs-38 exists. I think the RS-38 was a typo error since
> Yubileiniy-1 is the latest Radio-Sport bird and it is RS-30.
> Numberings are generally consecutive.
>

After the launch there was a great confusion with Mozhayets-4
on 435.352 MHz. The numbers may be IDs and has absolutely nothing
to do with the old Radio-Sputnik HAM-satellites! Its a shot in
our own foot, when we give those intruder satellites a Radio-Sputnik
designation! Please wake up! I only can repeat myself. This are
INTRUDER SATELLITES WITH DOKA-B which occupies our 435 MHz band.
The morse beacon is only an alibi.

>
> DOKA-B
> Detailed information about the DOKA-B system does not seem to be
> available. I have only seen it mentioned in the manufacturer's website
> (Reshetnev) and also in the same site are a couple of drawings of the
> systems which include DOKA.
>
> DOKA would appear to be both the command computer and telemetry
> downlink system.... in short... C&C.
>
> DOKA-B is a 'command system' not an individual compoment. The signals

> from it are more broadband than we expect in the amateur satellite
> segment, being a type of FSK.
>
> >From AMSAT-NA (I suspect Reschetnev really!).....The spacecraft
> (Yubileiniy-1) central panel carries the DOKA-B equipment comprising
> the onboard computer; receiving equipment operating in 145 MHz band;
> transmitting equipment operating in 435 MHz
>
> The Russians (Reshetnev) do publish information on their sute but they
> don't index it, so webspiders don't 'see' their information 'Dark
> Internet' ... non indexed. This makes finding information rather
> laborious :-)
>
> Have a look at....
> http://www.southgatearc.org/news/january2010/rs38.htm
>
> Other sources say that Yubileiniy-2 launch has been delayed.I think
> this is more likely.
>
> I think Mike and Nico seem to be the only people with a real interest
> in the mystery bird. See...
> http://www.mail-archive.com/amsat-bb@.../msg06299.html
>
> Yubileiniy-1.....
> http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115&retURL=/satellites/statu
s.php
> <http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115&retURL=/satellites/stat
us.php>
>
> Happy New Year to all.
>
> 73 Al.
> GM1SXX
>
>
Search also on
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102
for "DOKA-Transponder". You can find there all satellites with a
DOKA-B transponder. In next future I will edit it to "DOKA-B-Transponder".

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3080. RE: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 13:21:36 UTC
From: John Hackett
Topic: 3077 Message: 3080

Group,

Thomas said ...

>Its a shot in our own foot, when we give those intruder satellites a
>Radio-Sputnik designation! Please wake up! I only can repeat myself.
>This ar e INTRUDER SATELLITES WITH DOKA-B which occupies our 435 MHz band.
>The morse beacon is only an alibi.

While Al and myself have been repeating GM4IHJ Commander John Brannegan's sategen for over a decade now re 'intruders' and university 'me too' satellites, it must be remembered we only have access to the 70cm segement on a SECONDARY basis.

You can find the original satgen bulletins on Observations website.

73 John. <la2qaa@...>

3081. AW: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 13:31:07 UTC
From: Mike Rupprecht
Topic: 3077 Message: 3081

Thomas,

Yes I agree - these RS-28, -30, -38 numbers are ID's.
These numbers will be given by the Russians themselves. I do not know what you mean by "Its a shot in our own foot, when we give those intruder satellites a Radio-Sputnik designation".

Why does a CW beacon should be an alibi? A CW beacon itself has nothing to do with ham radio.
It seems a non amateur radio satellite needs no IARU frequency coordination.
I am not sure if we are really the master of these frequencies...

73, Mike

After the launch there was a great confusion with Mozhayets-4 on 435.352 MHz. The numbers may be IDs and has absolutely nothing to do with the old Radio-Sputnik HAM-satellites! Its a shot in our own foot, when we give those intruder satellites a Radio-Sputnik designation! Please wake up! I only can repeat myself. This are INTRUDER SATELLITES WITH DOKA-B which occupies our 435 MHz band.
The morse beacon is only an alibi.

3082. OBS - not OBSERVATIONS ... it's an acronym for Old, Bald and Senile - aka LA2QAA.

Yahoo group: eu-amsat
Date: 2010-01-05 14:32:23 UTC
From: John Hackett
Topic: 3082 Message: 3082
Attachments: 3 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 0501101530Z

HOME MADE ROTOR.

The rotor is home made from an old rfotor that fell off the back of a passing lorry.
It's nfixed to an inverted clothes dryer 'whirly' with the nylon cord removed. The 'whirly'

holds an Arrow aerial.

The pics should be self explanatory.

The control box pic is made from an ice-cream carton - (wash carton first).

The 4 x BD135 transistors switch the rotor voltages while the 4 x BC547's switch the

UP, DOWN, LEFT and RIGHT LED's.

It's extreemly! important to have 'thousands' of flashing LED's in such a project so that

when it *DOESN'T* work - but thye LED's flash - the locals (yokels?) will be sauitably

impressed (de-pressed?).

To get the feedback system to work you'll need to go to the chemists and purchase a
box of prescription Albyl-E. Assuming you're not expecting a heart attack within the next

20 minutes, flush the tablets down the toilet and mount a 4.7K potentiometer on the cap

of the box and a suitable 3 pin connector on the other end.

You'll also need to 'borrow' a bit of elastic from your girfriend's knickers - or the leg
of a

pair of training trousers.

(See pic)

Using a 3 wire cord you can feed 5v to the potentiometer, then as the rotor turns, the

elestic will turn the pot feeding back a variable voltage between 0 and 5v, depending on

the azimuth position.

The elevation rotor feedback is the same, only this time the Albyl-E box and

potentiometer are hung on the end of a pendulum - so that when the aerial is elevated
the voltage on the elevation potentiometer changes - this is fed back to the rotor control

box (see pic) so the aerial "knows where it is".

Instructions for setting up the feedback system are in the NOVA TRACKING

PROGRAM help file.

The internet abounds with homebrew rotor control systems - this is mine.

Like I said - the pics ought to make it self explanatory.

If you don't have the 'exact' part ... (like I was taught in the Signals) ... IMPROVISE!.

You're an AMATEUR right? ... right !!.

73 John. <la2qaa@...>

NB. Pictures may be viewed at ... <http:www.observations.biz>

3083. Re: AW: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 14:36:20 UTC
From: Thomas Frey
Topic: 3077 Message: 3083

Mike and John

I thought the band 435 - 438 MHz is exclusively allocated for
amateur-satellite
use from ITU? Is this wrong now? What I'm missing?

Mike Rupprecht wrote:
> Thomas,
>
> Yes I agree - these RS-28, -30, -38 numbers are ID's.
> These numbers will be given by the Russians themselves. I do not know what
> you mean by "Its a shot in our own foot, when we give those intruder
> satellites a Radio-Sputnik designation".
>
> Why does a CW beacon should be an alibi? A CW beacon itself has nothing to
> do with ham radio.
> It seems a non amateur radio satellite needs no IARU frequency coordination.
> I am not sure if we are really the master of these frequencies...
>
> 73, Mike
>
>
>
>
>
>
>
>
>
>
> After the launch there was a great confusion with Mozhayets-4
> on 435.352 MHz. The numbers may be IDs and has absolutely nothing
> to do with the old Radio-Sputnik HAM-satellites! Its a shot in
> our own foot, when we give those intruder satellites a Radio-Sputnik
> designation! Please wake up! I only can repeat myself. This are
> INTRUDER SATELLITES WITH DOKA-B which occupies our 435 MHz band.
> The morse beacon is only an alibi.
>
>
>
>
>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3084. RE: AW: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-05 14:50:09 UTC
From: John Hackett
Topic: 3077 Message: 3084

Thomas,
Uless there have been some governmental changes inj the last few days that I'm unaware of ... Radio amateurs are allowed to use the 70cm band on a SECONDARY basis.

That is to say ... government services 8primarily, the military, but others as well) have priority.

We only have EXCLUSIVE rights on 2m and a few higher microwave bands.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 5 Jan 2010 15:36:20 +0100
Subject: Re: AW: AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Mike and John

I thought the band 435 - 438 MHz is exclusively allocated for

amateur-satellite

use from ITU? Is this wrong now? What I'm missing?

Mike Rupprecht wrote:

> Thomas,

>

> Yes I agree - these RS-28, -30, -38 numbers are ID's.

> These numbers will be given by the Russians themselves. I do not know what

> you mean by "Its a shot in our own foot, when we give those intruder

> satellites a Radio-Sputnik designation".

>

> Why does a CW beacon should be an alibi? A CW beacon itself has nothing to

> do with ham radio.

> It seems a non amateur radio satellite needs no IARU frequency coordination.

> I am not sure if we are really the master of these frequencies...

>

> 73, Mike

>

>

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>

> After the launch there was a great confusion with Mozhayets-4

> on 435.352 MHz. The numbers may be IDs and has absolutely nothing

> to do with the old Radio-Sputnik HAM-satellites! Its a shot in

> our own foot, when we give those intruder satellites a Radio-Sputnik

> designation! Please wake up! I only can repeat myself. This are

> INTRUDER SATELLITES WITH DOKA-B which occupies our 435 MHz band.

> The morse beacon is only an alibi.

>

>

>

>

>

--

Mit freundlichen Grüssen, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3085. (no subject)

Yahoo group: eu-amsat
Date: 2010-01-05 15:01:08 UTC
From: John Hackett
Topic: 3085 Message: 3085

Thomas,
Here's the full list ...

Seconday.

(individual country recommendations at the end of the page).

73 John. <la2qaa@...>
.....
.....

70cm (433 MHz) Band Plan

LICENCE NOTES:

Amateur Service: Secondary
Satellite Service: 435 - 438 MHz, Secondary

Exclusion: 431 - 432 MHz not available for use within 100km
radius of Charing Cross, London
Power Limit: 430 - 432 MHz: 16 dBW ERP PEP
432 - 440 MHz: 26 dBW
Permitted Modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV

433.000
All Modes
Note 1 430.000
430.600 - 430.810
- 430.800 Digital communications (Note 6, 7)
Note 5
430.800
Low Power
Repeater i/p
Note 1 430.810 - 430.990 Low power repeaters
431.000
All Modes
Note 1 430.990 - 431.900 Digital communications (Note 6)
432.000
CW
Only 432.000
432.050 - 432.025 Moonbounce
CW Centre Of Activity
432.150
SSB & CW
Only 432.200
432.350 SSB Centre Of Activity
Microwave Talk-Back Calling Frequency (Europe)

432.500
All Modes
Non
Chanelised 432.500
432.600
432.500
432.600
432.625
432.650
432.675
432.700 - 432.600
- 432.800 IARU Region 1 Linear Transponder Outputs
IARU Region 1 Linear Transponder Inputs
SSTVActivity Centre
RTTY (fsk) Activity Centre
Packet Radio
Packet Radio
Packet Radio
Fax Activity Centre
432.800
Beacons 432.800 - 432.990 Beacons
433.000
RM Repeater
Outputs in
UK only

Note 1 433.000
433.025
433.050
433.075
433.100
433.125
433.150
433.175
433.200
433.225
433.250
433.275
433.300
433.325
433.350
433.375 RU240 (RB0)
RU242 (RB1)
RU244 (RB2)
RU246 (RB3)
RU248 (RB4)
RU250 (RB5)
RU252 (RB6)
RU254 (RB7)
RU256 (RB8)

RU258 (RB9)
RU260 (RB10)
RU262 (RB11)
RU264 (RB12)
RU266 (RB13)
RU268 (RB14)
RU270 (RB15)
433.400
FM Simplex
Channels 433.400
433.425
433.450
433.475
433.500
433.525
433.550
433.575
433.600
433.625
433.650
433.675
433.700
433.725
433.750
433.775 U272 (SU16)
U274 (SU17)
U276 (SU18)
U278 (SU19)
U280 (SU20)
U282 (SU21)
U284 (SU22)
U286 (SU23)
U288 (SU24)

FM Calling Channel

Recommended Channel For Rally Exhibition Talk-In
RTTY afsk
Packet Radio
Packet Radio
Packet Radio
Note 2, 3 and 5
Note 2 and 5
Note 2 and 5
Note 2 and 5
434.600
FM Repeater
Inputs (in UK
only) - note 1
and FSTV
- note 4 434.600

434.625
434.650
434.675
434.700
434.725
434.750
434.775
434.800
434.825
434.850
434.875
434.900
434.925
434.950
434.975 RU240 (RB0)
RU242 (RB1)
RU244 (RB2)
RU246 (RB3)
RU248 (RB4)
RU250 (RB5)
RU252 (RB6)
RU254 (RB7)
RU256 (RB8)
RU258 (RB9)
RU260 (RB10)
RU262 (RB11)
RU264 (RB12)
RU266 (RB13)
RU268 (RB14)
RU270 (RB15)
435.000
Satellites
and FSTV
- note 4
438.000
Fast
Scan TV 438.025
438.200 - 438.175
- 439.425 Note 5
Note 1
438.425
Low Power
Repeater o/p
& FSTV 438.425
438.450
438.475
438.500
438.525
438.550
438.575 R61

R62
R63
R64
R65
R66
R67
438.575 R62
Fast
Scan TV 438.200
439.600 - 439.425
- 439.750 Note 1
Digital communications (Note 6)
439.750
Packet
Radio 439.775 - 440.000 Digital communications (Note 6)
440.000

433 MHz Band Plan notes:

1. In Switzerland, Germany, Austria, repeater inputs are 430.600 - 431.825 MHz with 25 kHz spacing, and outputs are 438.200 - 439.425 MHz. In France and the Netherlands repeater inputs are 430.025 - 430.375 MHz with 25 kHz spacing and outputs are 431.625 - 431.975 MHz. In other European countries repeater inputs are 433.000 - 433.375 MHz with 25 kHz spacing and outputs are 434.600 - 434.975 MHz ie the reverse of the UK allocation
2. Emergancy communications priority
3. IARU Region 1 fax/afsk
4. Fast Scan Television carrier frequencies shall be chosen so as to avoid interference to other users, in particular the satellite service and repeater inputs. IARU Region 1 recommends that video carriers should be in the range 434.000 - 434.500MHz or 438.500 - 440.000MHz
5. IARU Region 1 packet radio
6. The DCC will recommend usage of this sub-band at a later date
7. Users must accept interferance from F/PA repeater outputs channels in 430.025 to 430.375MHz. Users with sites shich allow propagation to other countries (notable F and PA) must survey the proposed freequency before use to ensure that they will not cause interferance to users of those repeaters in those countries.

3086. Re: [eu-amsat]

Yahoo group: eu-amsat
Date: 2010-01-05 18:09:27 UTC
From: Thomas Frey
Topic: 3085 Message: 3086

Hello John

John Hackett wrote:
>
>
> Thomas,
> Here's the full list ...
>
> Seconday.
>
> (individual country recommendations at the end of the page).
>
> 73 John. <la2qaa@...>
> .....
.....
>
> 70cm (433 MHz) Band Plan
>
> LICENCE NOTES:
>
> Amateur Service: Secondary

This I know

> Satellite Service: 435 - 438 MHz, Secondary

This I missed. Then we have lost our primary status. It WAS primary
I think. Can you tell me the year in which the status was changed and
the source of this document please ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3087. RE: [eu-amsat]

Yahoo group: eu-amsat
Date: 2010-01-05 21:20:04 UTC
From: John Hackett
Topic: 3085 Message: 3087

Hello Thomas,
I'm only certain that amateurs have been allowed to use the 70cm
band on a secondary basis since 1982, when I took the Ham license. For 16 years
pevious to that I was an army signaller and I do know the military had priority ...
but I can only be certain about Great Britain.

Whether other countries or the amateur satellite service was different in other places
I honestly couldn't say Thomas ... the USA and Britain are the same ... I'd be very
surprised if amateurs ever had exclusive rights anywhere other than 2m or sections of the
higher microwave bands - (mostly above 24Ghz).

I hope that helps Thomas.

73 John. <la2qaa@amsat.org>

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 5 Jan 2010 19:09:27 +0100
Subject: Re: [eu-amsat]

Hello John

John Hackett wrote:

>

>

> Thomas,

> Here's the full list ...

>

> Seconday.

>

> (individual country recommendations at the end of the page).

>

> 73 John. <la2qaa@...>

> .....
.....

>

> 70cm (433 MHz) Band Plan

>

> LICENCE NOTES:

>

> Amateur Service: Secondary

This I know

> Satellite Service: 435 - 438 MHz, Secondary

This I missed. Then we have lost our primary status. It WAS primary

I think. Can you tell me the year in which the status was changed and

the source of this document please ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3088. Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 00:21:14 UTC
From: Thomas Frey
Topic: 3085 Message: 3088

Hello again

I remember me for other discussions about the status of the segment
435 - 438 MHz. I think in Germany it is primary (?). I found a document
on my drive from the Swiss government, edition 2009. In this the status
is defined as follows:
"435 - 438 MHz Amateur primary"
"435 - 438 MHz Amateur satellite secondary"

This is confusing but official.

I think its senseless if every country has its own definition of this
segment or subband. Its a point for discussion on a WARC meeting.

John Hackett wrote:
>
>
> Hello Thomas,
> I'm only certain that amateurs have been allowed to
> use the 70cm
> band on a secondary basis since 1982, when I took the Ham license. For
> 16 years
> pevious to that I was an army signaller and I do know the military had
> priority ...
> but I can only be certain about Great Britain.
>
> Whether other countries or the amateur satellite service was
> different in other places
> I honestly couldn't say Thomas ... the USA and Britain are the same
> ... I'd be very surprised if amateurs ever had exclusive rights
> anywhere other than 2m or sections of the higher microwave bands -
> (mostly above 24Ghz).
>
> I hope that helps Thomas.
>
> 73 John. <la2qaa@...>
>
> 73 John.
>
> ---
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Tue, 5 Jan 2010 19:09:27 +0100
> Subject: Re: [eu-amsat]
>
> Hello John

>
> John Hackett wrote:
> >
> >
> > Thomas,
> > Here's the full list ...
> >
> > Seconday.
> >
> > (individual country recommendations at the end of the page).
> >
> > 73 John. <la2qaa@... <mailto:la2qaa@...>>
> >
> .....
.....
> >
> > 70cm (433 MHz) Band Plan
> >
> > LICENCE NOTES:
> >
> > Amateur Service: Secondary
>
> This I know
>
> > Satellite Service: 435 - 438 MHz, Secondary
>
> This I missed. Then we have lost our primary status. It WAS primary
> I think. Can you tell me the year in which the status was changed and
> the source of this document please ?
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3089. Re: Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 08:24:36 UTC
From: Al
Topic: 3085 Message: 3089

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello again
>
> I remember me for other discussions about the status of the segment
> 435 - 438 MHz. I think in Germany it is primary (?). I found a document
> on my drive from the Swiss government, edition 2009. In this the status
> is defined as follows:
> "435 - 438 MHz Amateur primary"
> "435 - 438 MHz Amateur satellite secondary"
>
> This is confusing but official.
>
Hi Thomas,

This is certainly confusing.

I took the RAE Exam in the UK in 1985 and I can confirm that in 1985 the 70Cms band in Region 1 was allocated to radio amateurs on a secondary basis only. I still have the (UK) training material at home. 70Cms was my favourite band at the time.
The Primary user on 70CMs was (and still is) the military. In the UK, 70Cms is used for BMEWS RADARS (multi-megawatt) and other RADAR and Range Finding operation.
See my article BMEWS'ed... in Observations from Scotland.

23 &13Cms are likewise shared, and we are secondary users there also.
The 2M band is different... we DO have Primary status there, but no legal protection from interference.
I believe that 23&13Cms are both ISM bands in Region 1 (Industrial, Scientific and Medical) and amateur radio has secondary status. We share with Industrial users of RF heating (often tens of kilowatts) and of course leaky microwave ovens. This is the reality.

In many urban areas, 13Cms is chock full of signals we'd rather weren't there... but we have no protection from them, and no case to make against them. We are Secondary users.

73 Al.
GM1SXX

3090. Re: Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 08:40:28 UTC
From: Al
Topic: 3085 Message: 3090

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello again
>
> I remember me for other discussions about the status of the segment
> 435 - 438 MHz. I think in Germany it is primary (?). I found a document

Group members may find this snippet from IARU interesting..
http://www.iaru-r1.org/index.php?option=com_content&view=article&id=191&Itemid=144

The IARU website is really the correct place to check up on the rules regarding various bands in different regions. Books can and do become obsolete. Europe is in Region 1, so thats where we should be looking.... unless you are of course not in Europe... like some of our membership, in which case, your rules may vary.

73 de Al.
GM1SXX

3091. RE: [eu-amsat] Re: Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 08:45:09 UTC
From: Iain McKeracher
Topic: 3085 Message: 3091

-----Original Message-----
From: Al <allan_gm1sxx@...>
Sent: 06 January 2010 08:24
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: Primary or secondary status ?

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello again
>
> I remember me for other discussions about the status of the segment
> 435 - 438 MHz. I think in Germany it is primary (?). I found a document
> on my drive from the Swiss government, edition 2009. In this the status
> is defined as follows:
> "435 - 438 MHz Amateur primary"
> "435 - 438 MHz Amateur satellite secondary"
>
> This is confusing but official.
>
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The Primary user on 70CMs was (and still is) the military. In the UK, 70Cms is used for BMEWS RADARS (multi-megawatt) and other RADAR and Range Finding operation.
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I believe that 23&13Cms are both ISM bands in Region 1 (Industrial, Scientific and Medical) and amateur radio has secondary status. We share with Industrial users of RF heating (often tens of kilowatts) and of course leaky microwave ovens. This is the reality.

In many urban areas, 13Cms is chock full of signals we'd rather weren't there... but we have no protection from them, and no case to make against them. We are Secondary users.

73 Al.
GM1SXX

3092. Re: [eu-amsat] Re: Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 11:40:29 UTC
From: Thomas Frey
Topic: 3085 Message: 3092

Al wrote:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> Hello again
>>
>> I remember me for other discussions about the status of the segment
>> 435 - 438 MHz. I think in Germany it is primary (?). I found a document
>>
> Group members may find this snippet from IARU interesting..
> http://www.iaru-r1.org/index.php?option=com_content&view=article&id=191&Itemid=144
>
> The IARU website is really the correct place to check up on the rules regarding various bands in different regions. Books can and do become obsolete. Europe is in Region 1, so thats where we should be looking.... unless you are of course not in Europe... like some of our membership, in which case, your rules may vary.
>
> 73 de Al.
> GM1SXX
>
>

ITU is also a good place, see
http://www.itu.int/ITU-R/space/support/ARS/Amateur-Satellite-Service-freq.pdf

I searched on http://www.itu.int/net/search/searchframe.aspx for "RR 5.282"
and following text appeard:

"Further, in accordance with RR 5.282 the amateur-satellite service may
operate in part of this band (435-438 MHz) subject to not causing harmful
interference to other services operating in accordance with the Radio
Regulations."

This also does not clearly state if the status is primary or secondary.
What do you think ? Is a specialist in our group ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3093. RE: [eu-amsat] Re: Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 14:12:45 UTC
From: John Hackett
Topic: 3085 Message: 3093

Thomas,
You wrote ...

>and following text appeard:

>"Further, in accordance with RR 5.282 the amateur-satellite service may

>operate in part of this band (435-438 MHz) subject to not causing harmful

>interference to other services operating in accordance with the Radio

>Regulations."

>This also does not clearly state if the status is primary or secondary.

Personally, I would say the above text *DOES* imply quite clearly that amateurs may

use the 70cm band on a secondary basis ... though the word 'secondary' is not used, it *IS* implied and meant.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 6 Jan 2010 12:40:29 +0100
Subject: Re: [eu-amsat] Re: Primary or secondary status ?

Al wrote:

> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:

>

>> Hello again

>>

>> I remember me for other discussions about the status of the segment

>> 435 - 438 MHz. I think in Germany it is primary (?). I found a document

>>

> Group members may find this snippet from IARU interesting..

> http://www.iaru-r1.org/index.php?option=com_content&view=article&id=191&Itemid=144

>

> The IARU website is really the correct place to check up on the rules regarding various bands in different regions. Books can and do become obsolete. Europe is in Region 1, so thats where we should be looking.... unless you are of course not in Europe... like some of our membership, in which case, your rules may vary.

>

> 73 de Al.

> GM1SXX

>

>

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http://www.itu.int/ITU-R/space/support/ARS/Amateur-Satellite-Service-freq.pdf

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and following text appeard:

"Further, in accordance with RR 5.282 the amateur-satellite service may

operate in part of this band (435-438 MHz) subject to not causing harmful

interference to other services operating in accordance with the Radio

Regulations."

This also does not clearly state if the status is primary or secondary.

What do you think ? Is a specialist in our group ?

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3094. Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 14:53:50 UTC
From: Al
Topic: 3085 Message: 3094

Hi Thomas,

You wrote...

> ITU is also a good place, see
> http://www.itu.int/ITU-R/space/support/ARS/Amateur-Satellite-Service-freq.pdf
>
> I searched on http://www.itu.int/net/search/searchframe.aspx for "RR 5.282"
> and following text appeard:
>
> "Further, in accordance with RR 5.282 the amateur-satellite service may
> operate in part of this band (435-438 MHz) subject to not causing harmful
> interference to other services operating in accordance with the Radio
> Regulations."
>
> This also does not clearly state if the status is primary or secondary.
> What do you think ? Is a specialist in our group ?
>

There is nothing to consider. Your question is already answered by the document. I believe the answer is very clear indeed.

> "Further, in accordance with RR 5.282 the amateur-satellite service may operate in part of this band (435-438 MHz) subject to not causing harmful interference to other services operating in accordance with the Radio Regulations."

How 'specialist' do you need? You have already provided the answer to your question.

The statement clearly means that amateur radio has secondary user status. The amateur-satellite service has secondary status, and IMHO always has done. The 'other services' noted in the document are primarily the military.

More on 70Cms interference to satellites by the military at..
www.observations.biz/Joint_Observations/BMEWS_ed.htm

More RADAR links..
http://en.wikipedia.org/wiki/RAF_Fylingdales
http://www.globalsecurity.org/space/facility/fylingdales.htm
http://en.wikipedia.org/wiki/PAVE_PAWS

These are some of the primary users in region 1.

PAVE PAWS RADARs have long been implicated in satellite de-sense issues. PAVE PAWS was mentioned *many* times in the past as causing problems to amateur radio sateliites by John Branegan GM4IHJ(SK) in his excellent SATGEN bulletins, where PAVE PAWS interference on 70Cms was well-documented. It was also documented by Don Moe DJ0HC/KE6MN in the past. There is a great deal of historical information available if you wish to do a little basic

research.

We are very much Secondary users in region 1. In all the time I have been interested in amateur radio,well before I obtained my license, amateur radio, amateur radio and the amateur satellite service has been listed as secondary on 70Cms.
National security comes before amateur radio. We are only small fish in a large pond.

73 Al.
GM1SXX

3095. Re: [eu-amsat] Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-06 17:19:56 UTC
From: Thomas Frey
Topic: 3085 Message: 3095

Hello Al and John

Yes I see, I found my answer now. I was wrong informed about the status
of the satellite-segment.

In Germany they have their own laws. The Germans declared this segment as
primary and could shut down the 70cm downlink of Maroc-TUBSAT via
government.
This satellite was a joint venture between a University in Marocco and the
Technical University Berlin (TUB). This and discussions in the "AMSAT-DL
Forum"
a few years ago caused me to think the satellite-segment is primary.

OK, if the segment is secondary we also have no satellite intruders on
70cm. :-(

Thanks for this very interesting discussion. :-)

Al wrote:
>
>
> Hi Thomas,
>
> You wrote...
>
>
>> ITU is also a good place, see
>> http://www.itu.int/ITU-R/space/support/ARS/Amateur-Satellite-Service-freq.pdf
>>
>> I searched on http://www.itu.int/net/search/searchframe.aspx for "RR 5.282"
>> and following text appeard:
>>
>> "Further, in accordance with RR 5.282 the amateur-satellite service may
>> operate in part of this band (435-438 MHz) subject to not causing harmful
>> interference to other services operating in accordance with the Radio
>> Regulations."
>>
>> This also does not clearly state if the status is primary or secondary.
>> What do you think ? Is a specialist in our group ?
>>
>>
> There is nothing to consider. Your question is already answered by the document. I
believe the answer is very clear indeed.
>
>
>> "Further, in accordance with RR 5.282 the amateur-satellite service may operate in part

of this band (435-438 MHz) subject to not causing harmful interference to other services operating in accordance with the Radio Regulations."
>>
> How 'specialist' do you need? You have already provided the answer to your question.
>
> The statement clearly means that amateur radio has secondary user status. The amateur-satellite service has secondary status, and IMHO always has done. The 'other services' noted in the document are primarily the military.
>
> More on 70Cms interference to satellites by the military at..
> www.observations.biz/Joint_Observations/BMEWS_ed.htm
>
> More RADAR links..
> http://en.wikipedia.org/wiki/RAF_Fylingdales
> http://www.globalsecurity.org/space/facility/fylingdales.htm
> http://en.wikipedia.org/wiki/PAVE_PAWS
>
> These are some of the primary users in region 1.
>
> PAVE PAWS RADARs have long been implicated in satellite de-sense issues. PAVE PAWS was mentioned *many* times in the past as causing problems to amateur radio sateliites by John Branegan GM4IHJ(SK) in his excellent SATGEN bulletins, where PAVE PAWS interference on 70Cms was well-documented. It was also documented by Don Moe DJ0HC/KE6MN in the past. There is a great deal of historical information available if you wish to do a little basic research.
>
> We are very much Secondary users in region 1. In all the time I have been interested in amateur radio,well before I obtained my license, amateur radio, amateur radio and the amateur satellite service has been listed as secondary on 70Cms.
> National security comes before amateur radio. We are only small fish in a large pond.
>
> 73 Al.
> GM1SXX
>
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>
>
>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3096. HO-68 trasatlantic pass

Yahoo group: eu-amsat
Date: 2010-01-07 10:39:54 UTC
From: Luc Leblanc
Topic: 3096 Message: 3096

The footprint of this pass will cover NA-Europe at the beginning of the pass. France. Spain UK and Scandinavia will be in range from here
(FN36)

07 Jan. 2010
HO-68 FM and Digital Transponder
14:10...Turn On UTC
Europe,NA,North Pole,South America
14:40...Turn Off UTC
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3097. Re: [eu-amsat] HO-68 trasatlantic pass

Yahoo group: eu-amsat
Date: 2010-01-07 14:37:06 UTC
From: Luc Leblanc
Topic: 3096 Message: 3097

Date sent: Thu, 07 Jan 2010 05:39:54 -0500
From: Luc Leblanc <lucleblanc6@...>
Subject: [eu-amsat] HO-68 trasatlantic pass
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com
Priority: normal

>
> The footprint of this pass will cover NA-Europe at the beginning of the pass. France. Spain UK and Scandinavia will be in range from here
> (FN36)
>
> 07 Jan. 2010
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> "-"

Signal from HO-68 peak at S9+40 and i was able to work OZ1MY Ib from Denmark and Yoshio from Tegucigalpa Honduras and yes Packet can be
present with phone but mode are not helping each other

>
> ---
>
> Yahoo! Groups Links
>
> http://help.yahoo.com/help/us/groups/messages/messages-23.html
>
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3098. Re: [CORR HO-68 trasatlantic pass

Yahoo group: eu-amsat
Date: 2010-01-07 14:53:37 UTC
From: Luc Leblanc
Topic: 3096 Message: 3098

On 7 Jan 2010 at 9:37, Luc Leblanc wrote:

Date sent: Thu, 07 Jan 2010 09:37:06 -0500
From: Luc Leblanc <lucleblanc6@...>
Subject: Re: [eu-amsat] HO-68 trasatlantic pass
To: eu-amsat@yahoogroups.com
Copies to: amsat-bb@...
Send reply to: eu-amsat@yahoogroups.com
Priority: normal

>
>
> Date sent: Thu, 07 Jan 2010 05:39:54 -0500
> From: Luc Leblanc <lucleblanc6@...>
> Subject: [eu-amsat] HO-68 trasatlantic pass
> To: eu-amsat@yahoogroups.com
> Send reply to: no_reply@yahoogroups.com
> Priority: normal
>
> >
> > The footprint of this pass will cover NA-Europe at the beginning of the pass. France. Spain UK and Scandinavia will be in range from here
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> > 07 Jan. 2010
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> > 14:10...Turn On UTC
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>
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> present with phone but mode are not helping each other
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3099. RE: [eu-amsat] Primary or secondary status ?

Yahoo group: eu-amsat
Date: 2010-01-07 15:02:53 UTC
From: John Hackett
Topic: 3085 Message: 3099

FB! Thomas,
This is our group as it was meant to be - exchanging information and
ideas.

Have a good day Thomas.

73 John. <la2qaa@...>
.....
...

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 6 Jan 2010 18:19:56 +0100
Subject: Re: [eu-amsat] Primary or secondary status ?

Hello Al and John

Yes I see, I found my answer now. I was wrong informed about the status

of the satellite-segment.

In Germany they have their own laws. The Germans declared this segment as

primary and could shut down the 70cm downlink of Maroc-TUBSAT via

government.

This satellite was a joint venture between a University in Marocco and the

Technical University Berlin (TUB). This and discussions in the "AMSAT-DL

Forum"

a few years ago caused me to think the satellite-segment is primary.

OK, if the segment is secondary we also have no satellite intruders on

70cm. :-(

Thanks for this very interesting discussion. :-)

Al wrote:

>

>

> Hi Thomas,

>

> You wrote...

>

>

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>> http://www.itu.int/ITU-R/space/support/ARS/Amateur-Satellite-Service-freq.pdf

>>

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>> and following text appeard:

>>

>> "Further, in accordance with RR 5.282 the amateur-satellite service may

>> operate in part of this band (435-438 MHz) subject to not causing harmful

>> interference to other services operating in accordance with the Radio

>> Regulations."

>>

>> This also does not clearly state if the status is primary or secondary.

>> What do you think ? Is a specialist in our group ?

>>

>>

> There is nothing to consider. Your question is already answered by the document. I believe the answer is very clear indeed.

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>

>> "Further, in accordance with RR 5.282 the amateur-satellite service may operate in part of this band (435-438 MHz) subject to not causing harmful interference to other services operating in accordance with the Radio Regulations."

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>

> More on 70Cms interference to satellites by the military at..

> www.observations.biz/Joint_Observations/BMEWS_ed.htm

>

> More RADAR links..

> http://en.wikipedia.org/wiki/RAF_Fylingdales

> http://www.globalsecurity.org/space/facility/fylingdales.htm

> http://en.wikipedia.org/wiki/PAVE_PAWS

>

> These are some of the primary users in region 1.

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> National security comes before amateur radio. We are only small fish in a large pond.

>

> 73 Al.

> GM1SXX

>

>

>

> ----------

>

> Yahoo! Groups Links

>

>

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>

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Mit freundlichen Grüssen, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3100. AW: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Yahoo group: eu-amsat
Date: 2010-01-07 14:38:14 UTC
From: Mike Rupprecht
Topic: 3077 Message: 3100

All,

A very interesting website with data and results from TATIANA-2 can be found on the Space monitoring data center website (Skobeltsyn Institute of Nuclear Physics / Moscow State University)

http://smdc.sinp.msu.ru/index.py?nav=tat2
<http://smdc.sinp.msu.ru/index.py?nav=tat2&switchdiv=SputnikMap>
&switchdiv=SputnikMap

You can also see that the Space Track UGATUSAT TLE matches to TATIANA-2 on their map. So there is definitely an swap of both TLE on Space Track.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Al
Gesendet: Dienstag, 5. Januar 2010 09:47
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Yubileiniy-1&2 , RS-38 and DOKA-B

Hi Group.

This one is for John LA2QAA and Mike DK3WN... and anyone with an interest.

RS-38
I don't think Rs-38 exists. I think the RS-38 was a typo error since Yubileiniy-1 is the latest Radio-Sport bird and it is RS-30. Numberings are generally consecutive.

DOKA-B
Detailed information about the DOKA-B system does not seem to be available. I have only seen it mentioned in the manufacturer's website (Reshetnev) and also in the same site are a couple of drawings of the systems which include DOKA.

DOKA would appear to be both the command computer and telemetry downlink system.... in short... C&C.

DOKA-B is a 'command system' not an individual compoment. The signals from it are more broadband than we expect in the amateur satellite segment, being a type of FSK.

From AMSAT-NA (I suspect Reschetnev really!).....The spacecraft (Yubileiniy-1) central panel carries the DOKA-B equipment comprising the onboard computer; receiving equipment operating in 145 MHz band;

transmitting equipment operating in 435 MHz

The Russians (Reshetnev) do publish information on their sute but they don't index it, so webspiders don't 'see' their information 'Dark Internet' ... non indexed. This makes finding information rather laborious :-)

Have a look at....
http://www.southgatearc.org/news/january2010/rs38.htm

Other sources say that Yubileiniy-2 launch has been delayed.I think this is more likely.

I think Mike and Nico seem to be the only people with a real interest in the mystery bird. See...
http://www.mail-archive.com/amsat-bb@.../msg06299.html

Yubileiniy-1.....
http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115
<http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115&retURL=/satellites/status.php> &retURL=/satellites/status.php

Happy New Year to all.

73 Al.
GM1SXX

3101. Re: [amsat-bb] Re: HO-68 BBS upload!!

Yahoo group: eu-amsat
Date: 2010-01-08 09:32:43 UTC
From: Luc Leblanc
Topic: 3101 Message: 3101

On 8 Jan 2010 at 18:17, Andrew Rich wrote:

Did anyone knows if there is other programs Windows or Linux base able to emulate WISP!

> Can these satellite protocols be used on earth ?
>
> Station to station ?
>
> Andrew VK4TEC
>

>
>
> >I also uploaded a file with WiSP. Hope you can download it OK.
> >
> > It would be nice if other voice users did not transmit until the
> > packet transmission has stopped though.
> >
> > Patience gentlemen, please.
> >
> > 73, Dave. G1OCN.
> > AMSAT 5766
> >
> >
> > Subject: [amsat-bb] HO-68 BBS upload!!
> >
> > I succeeded in upload a file into BBS using WiSP, the file number was
> > 'CB'.
> >
> > http://www.ne.jp/asahi/hamradio/je9pel/xw1_digi.htm#bottom
> >
> > JE9PEL, Mineo Wakita
> >

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3102. Re: [eu-amsat] Re: [amsat-bb] Re: HO-68 BBS upload!!

Yahoo group: eu-amsat
Date: 2010-01-08 11:33:29 UTC
From: Thomas Frey
Topic: 3101 Message: 3102

Luc Leblanc wrote:
> On 8 Jan 2010 at 18:17, Andrew Rich wrote:
>
> Did anyone knows if there is other programs Windows or Linux base able to emulate WISP!
>

If you use Linux look for WINE. Google is my friend, good luck.

>
>> Can these satellite protocols be used on earth ?
>>
>> Station to station ?
>>
>> Andrew VK4TEC
>>
>>
>
>>
>>
>>> I also uploaded a file with WiSP. Hope you can download it OK.
>>>
>>> It would be nice if other voice users did not transmit until the
>>> packet transmission has stopped though.
>>>
>>> Patience gentlemen, please.
>>>
>>> 73, Dave. G1OCN.
>>> AMSAT 5766
>>>
>>>
>>> Subject: [amsat-bb] HO-68 BBS upload!!
>>>
>>> I succeeded in upload a file into BBS using WiSP, the file number was
>>> 'CB'.
>>>
>>> http://www.ne.jp/asahi/hamradio/je9pel/xw1_digi.htm#bottom
>>>
>>> JE9PEL, Mineo Wakita
>>>
>>>
>
> "-"
>
>
> Luc Leblanc VE2DWE

> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
> ----------
>
> Yahoo! Groups Links
>
>
>
>
>

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3103. Somewhat OT but of possible interest.

Yahoo group: eu-amsat
Date: 2010-01-08 13:09:49 UTC
From: Al
Topic: 3103 Message: 3103

Hi group.

Perhaps rather off-topic, but with the recent discussions of the status of amateur radio on 70Cms, I think we should be grateful that BMEWS RADARS are no longer on the two metre band. Yes, two metres. 12*2.5MW developed by Klystrons was used on the Thule (Greenland) base in the past. Even I was surprised to discover this :-) I'm sure the move to 70Cms would give the RADARs greater resolving power.

See...
http://www.bwcinet.com/thule/4techdr.htm

The complete article is fairly interesting and starts at..
http://www.bwcinet.com/thule/index.html
with detection and tracking RADARS being the 'juicy' bits.

The website even has a link to CND for RAF Fylingdales, which of course is a primary user in the UK on 70Cms, actually 420-450MHz.

73 Al.
GM1SXX

3104. FO-29 forever QRT ?

Yahoo group: eu-amsat
Date: 2010-01-08 13:15:34 UTC
From: Thomas Frey
Topic: 3104 Message: 3104

Hello All

In an Southgate ARC article today is a Google link to the JARL homepage (http://tinyurl.com/JapanJARL/). Therein is an update about FO-29 from November 2009:
"Fuji-OSCAR for the operation of the No. 3" (11/25 update)

Does it mean the loss of FO-29 forever ?

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3105. 7 messages to hope-1 BBS in one pass, with attached files photos (1st time)

Yahoo group: eu-amsat
Date: 2010-01-08 22:34:42 UTC
From: st2nh
Topic: 3105 Message: 3105

i succceded to upload 7 messages to BBS on board hope-1 oscar satellite in one pass
Orbit # 323
time 18:42- 19:02
date 8-01-2010
locator KK65GP

Messages to
dk3wn 2 messages one with attached photo
hb9ska
message to all
message to ba1du
message to w0sl
message to je9pel

see the photos for more

http://picasaweb.google.com/Nader.st2nh/7MessagesToHope1BbsInOnePassWithAttachedPhotoFile1stTime#

73 de st2nh Nader
www.st2nh.com

3106. ENC: FO-29 Schedule

Yahoo group: eu-amsat
Date: 2010-01-08 23:21:16 UTC
From: PY5LF
Topic: 3106 Message: 3106

PY5LF
LUCIANO FABRICIO
CURITIBA-PR-BRAZIL
GG54JM
http://www.qrz.com/db/py5lf
www.falautomation.com.br

FYI

FO-29 should come out of the eclipse soon.
JARL still are making an effort hard the examination use.
A operating schedule will be announced soon.

JE9PEL, Mineo Wakita

3107. Hope-1 BBS

Yahoo group: eu-amsat
Date: 2010-01-08 23:49:55 UTC
From: John Hackett
Topic: 3105 Message: 3107

Well done! Nader.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Fri, 8 Jan 2010 22:34:42 +0000
Subject: [eu-amsat] 7 messages to hope-1 BBS in one pass, with attached files photos (1st time)

i succceded to upload 7 messages to BBS on board hope-1 oscar satellite in one pass

Orbit # 323

time 18:42- 19:02

date 8-01-2010

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Messages to

dk3wn 2 messages one with attached photo

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message to all

message to ba1du

message to w0sl

message to je9pel

see the photos for more

http://picasaweb.google.com/Nader.st2nh/7MessagesToHope1BbsInOnePassWithAttachedPhotoFile1stTime#

73 de st2nh Nader

www.st2nh.com

3108. Re: [eu-amsat] 7 messages to hope-1 BBS in one pass, with attached files photos (1st time)

Yahoo group: eu-amsat
Date: 2010-01-09 13:46:53 UTC
From: Thomas Frey
Topic: 3105 Message: 3108

st2nh wrote:
> i succceded to upload 7 messages to BBS on board hope-1 oscar satellite in one pass
> Orbit # 323
> time 18:42- 19:02
> date 8-01-2010
> locator KK65GP
>
> Messages to
> dk3wn 2 messages one with attached photo
> hb9ska
> message to all
> message to ba1du
> message to w0sl
> message to je9pel
>
> see the photos for more
>
>
> http://picasaweb.google.com/Nader.st2nh/7MessagesToHope1BbsInOnePassWithAttachedPhotoFile1stTime#
>
>
>
> 73 de st2nh Nader
> www.st2nh.com
>
>
>

Hello Nader

Thanks for your message. I'm ready for PacSat use, I hope it is stored when I'm QRV for HO-68. I have to observe too many satellites during the weekends. :-) And now I have detected the year 2010 bug in my own written satellite tracker program, I have to solve it first.

cu 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3109. Re: [eu-amsat] Hope-1 BBS

Yahoo group: eu-amsat
Date: 2010-01-09 13:58:16 UTC
From: Thomas Frey
Topic: 3105 Message: 3109

John Hackett wrote:
>
>
> Well done! Nader.

Yes, well done. See also
http://www.southgatearc.org/news/january2010/hope1_message_success.htm

>
> 73 John. <la2qaa@...>
>
> ----------
> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Fri, 8 Jan 2010 22:34:42 +0000
> Subject: [eu-amsat] 7 messages to hope-1 BBS in one pass, with
> attached files photos (1st time)
>
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> satellite in one pass
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>
> 73 de st2nh Nader
> www.st2nh.com

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3110. Re: [amsat-bb] Re: Galileo Contract Awarded

Yahoo group: eu-amsat
Date: 2010-01-09 17:00:36 UTC
From: Luc Leblanc
Topic: 3110 Message: 3110

> The answer is very simple: There will be - no Soyuz test launches -
> from Kourou....
> It's a proofed and robust rocket. There are already commercial customers
> booked for the first flight..
> Otherwise P3-E would be on it.. ;-)
>
> 73s Peter DB2OS
>
>
Hi Peter

Here is an excerpt from Arianne space news:

Challenges in 2010

Arianespace is planning six to seven Ariane 5 launches in 2010, including the second ATV supply vessel for the International Space Station, the "Johannes Kepler".

The first launch of a Soyuz rocket from the Guiana Space Center is slated for mid-2010. Integration of the mobile gantry started in November, and system tests are scheduled for the first quarter of 2010. To date, Arianespace has ordered 14 launchers from the Russian space industry and all of these launches have been sold. The first two Soyuz launchers are already in French Guiana.

For upcoming Vega launches, the refurbishment of the ELA-1 launch pad is nearly completed. Each of the three solid propulsion stages of this launcher has passed static firing tests. The development of the Vega launcher will be completed in 2010, with commercial launch services kicking off in 2011.

With Ariane 5, Soyuz and Vega, Arianespace now has a family of launchers that gives it even more flexibility to meet customer requirements. Building on these considerable assets, in particular 35 successful launches in a row of Ariane 5, and 21 Soyuz launches from Baikonur, plus a proven commitment to launching on schedule, Arianespace continues to offer the broadest range of launch opportunities, enabling it to maintain its market share and continue its global leadership over the long haul.

Could be Vega will have to pass a first flight launch?

"-"

Luc Leblanc VE2DWE
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"-"

Luc Leblanc VE2DWE
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DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3111. DOKA-B21 page

Yahoo group: eu-amsat
Date: 2010-01-10 15:57:15 UTC
From: Al
Topic: 3111 Message: 3111

Hi group.
The Bauman Institute has a page devoted to the *Command-navigation system of the "Baumanetz" spacecraft* which includes a photo and drawings for the DOKA-B21 system. It's at..

http://microsat.sm.bmstu.ru/eng/epm_sysDOKA.html

for anyone with an interest. If you click on the small drawing, it will open a larger image which can be clicked on again, for a full-page drawing. Perhaps Mike DK3WN, or one of our other Russian readers could translate the captions and re-post it here for the group? I'm sure it would be of interest.

http://microsat.sm.bmstu.ru/pic/scheme.jpg

has a photo of the interior of the Baumanetz craft with a DOKA module in place.

Kollibri-2000 used the same (or a similar) system, so it is now a well established system.

From the IKI website...
"The service remote maintenance equipment ÊÀ-DOKAÁ along with the radio complex provided an efficient interaction of all onboard instruments throughout the microsatellite mission. The command and telemetry radio links had a stable operation for data reception and transmission with Kaluga and Sidney ground control complex and Tarusa telemetry information receiving station in two high frequency ranges of 145 ÌHz and 435 ÌHz."

So now you know.

I believe that DOKA-B was the brainchild of NILAKT ROSTO in Kaluga. I suspect it has been adopted as the standard "remote maintenance" system for Reshetnev's small satellites and is/was standard kit for Yubileiny and Universitetskii-Tatyana plus other microsatellies from the CIS.

Link.
http://www.iki.rssi.ru/kollibri/otch_e.htm

73 Al.
GM1SXX

3112. RES: [eu-amsat] FO-29 forever QRT ?

Yahoo group: eu-amsat
Date: 2010-01-10 16:06:53 UTC
From: PY5LF
Topic: 3104 Message: 3112
Attachments: 2 described; binary payloads are missing from this source WARC

Hello

You can see more information about FO29 at :
http://www.ne.jp/asahi/hamradio/je9pel/

73

PY5LF

LUCIANO FABRICIO

CURITIBA-PR-BRAZIL

GG54JM

<http://www.qrz.com/db/py5lf> http://www.qrz.com/db/py5lf

<http://www.falautomation.com.br/> www.falautomation.com.br

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Em nome de
Thomas Frey
Enviada em: sexta-feira, 8 de janeiro de 2010 11:16
Para: eu-amsat@yahoogroups.com
Assunto: [eu-amsat] FO-29 forever QRT ?

Hello All

In an Southgate ARC article today is a Google link to the JARL homepage
(http://tinyurl.com/JapanJARL/). Therein is an update about FO-29
from November 2009:
"Fuji-OSCAR for the operation of the No. 3" (11/25 update)

Does it mean the loss of FO-29 forever ?

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3113. Re: [eu-amsat] DOKA-B21 page

Yahoo group: eu-amsat
Date: 2010-01-10 17:50:23 UTC
From: Thomas Frey
Topic: 3111 Message: 3113

Al wrote:
> Hi group.
> The Bauman Institute has a page devoted to the *Command-navigation system of the "Baumanetz" spacecraft* which includes a photo and drawings for the DOKA-B21 system. It's at..
>
> http://microsat.sm.bmstu.ru/eng/epm_sysDOKA.html
>
> for anyone with an interest. If you click on the small drawing, it will open a larger image which can be clicked on again, for a full-page drawing. Perhaps Mike DK3WN, or one of our other Russian readers could translate the captions and re-post it here for the group? I'm sure it would be of interest.
>
> http://microsat.sm.bmstu.ru/pic/scheme.jpg
>
> has a photo of the interior of the Baumanetz craft with a DOKA module in place.
>
> Kollibri-2000 used the same (or a similar) system, so it is now a well established system.
>
> > From the IKI website...
> "The service remote maintenance equipment ??-DOKA? along with the radio complex provided an efficient interaction of all onboard instruments throughout the microsatellite mission. The command and telemetry radio links had a stable operation for data reception and transmission with Kaluga and Sidney ground control complex and Tarusa telemetry information receiving station in two high frequency ranges of 145 ?Hz and 435 ?Hz."
>
> So now you know.
>
> I believe that DOKA-B was the brainchild of NILAKT ROSTO in Kaluga. I suspect it has been adopted as the standard "remote maintenance" system for Reshetnev's small satellites and is/was standard kit for Yubileiny and Universitetskii-Tatyana plus other microsatellies from the CIS.
>
> Link.
> http://www.iki.rssi.ru/kollibri/otch_e.htm
>
> 73 Al.
> GM1SXX
>

Hello Al

Thanks for the infos. See also the site of Radio-Sputnik 21 (Kolibri-2000):
http://www.iki.rssi.ru/kollibri/mission1_e.htm

This satellite and Radio-Sputnik-19 / Spoutnik-99 aka Beatnik or Swatchnik before were the beginning of the new era of Russian satellites (Sputniks) in our 70cm band. "Beatnik" was deployed without batteries from Mir after a storm of protests.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3114. Re: DOKA-B21 page

Yahoo group: eu-amsat
Date: 2010-01-10 18:19:22 UTC
From: Al
Topic: 3111 Message: 3114

Hi Thomas and Group.

Thomas said..
> This satellite and Radio-Sputnik-19 / Spoutnik-99 aka Beatnik or Swatchnik
> before were the beginning of the new era of Russian satellites (Sputniks)
> in our 70cm band. "Beatnik" was deployed without batteries from Mir after
> a storm of protests.

I certainly remember the 'swatchnik' because of the use of amateur radio frequencies for advertising. Hopefully we will never see that again. Kollibri, Tatyana-1 and other small Russian birds have a primary mission to collect geophysical data, in particular auroral studies, with amateur radio providing the means to downlink the data collected. Personally, I believe this is more useful than the continuing stream of University 'clone' Microsats that don't really do anything much of real interest to the average radio amateur, or even the keen satellite operator. This one grabbed my interest.

http://www.powershow.com/view.php?id=P1253037079AeBKS&t=The+Educational+Program+of+Youth+Center+Space+Communications+and+Informatics

and appears to be a genuine attempt to encourage young people into space science.
The Russian agencies seem to have a properly co-ordinated system to study geomagnetism, the Ionosphere, aurora and other near-earth phenomena using micro-satellites.

Have a good evening.

73 Al.
GM1SXX

3115. FW: Gif-Image translation

Yahoo group: eu-amsat
Date: 2010-01-10 19:32:38 UTC
From: John Hackett
Topic: 3115 Message: 3115
Attachments: 1 described; binary payloads are missing from this source WARC

```
> From: RW3XL@...
> To: la2qaa@...
> Subject: Gif-Image translation
> Date: Sun, 10 Jan 2010 21:17:10 +0300
>
> Hello John!
> It is a lot of time from last letter has passed :)
> I read today's messages in eu-amsat and have seen the letter from Al, GM1SXX.
> It gave reference to DOKA-B21 in Russian and suggested to translate one of pictures.
> Today a free evening and I translate this picture as good as could ))))
> But I don't know Al's e-mail. It's not big and may be interest, how Al said. May be
You'll send it to Al or group?
> ---
> 73, Igor, RW3XL
```

3116. AW: [eu-amsat] DOKA-B21 page

Yahoo group: eu-amsat
Date: 2010-01-10 20:51:50 UTC
From: Mike Rupprecht
Topic: 3111 Message: 3116
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Al,

on the project Kolibri-2000 website you can find also an interesting chart.

Our friend Alex Papkov as vice-leader by DOKA.

http://www.iki.rssi.ru/kollibri/shema_e.gif

73, Mike

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Al
Gesendet: Sonntag, 10. Januar 2010 16:57
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] DOKA-B21 page

Hi group.
The Bauman Institute has a page devoted to the *Command-navigation system of the "Baumanetz" spacecraft* which includes a photo and drawings for the DOKA-B21 system. It's at..

http://microsat.sm.bmstu.ru/eng/epm_sysDOKA.html

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Link.
http://www.iki.rssi.ru/kollibri/otch_e.htm

73 Al.
GM1SXX

3117. Re: [eu-amsat] Re: DOKA-B21 page

Yahoo group: eu-amsat
Date: 2010-01-10 22:17:58 UTC
From: Thomas Frey
Topic: 3111 Message: 3117

Al wrote:
> Kollibri, Tatyana-1 and other small Russian birds have a primary mission to collect geophysical data, in particular auroral studies, with amateur radio providing the means to downlink the data collected. Personally, I believe this is more useful than the continuing stream of University 'clone' Microsats that don't really do anything much of real interest to the average radio amateur, or even the keen satellite operator. This one grabbed my interest.
>
> http://www.powershow.com/view.php?id=P1253037079AeBKS&t=The+Educational+Program+of+Youth+Center+Space+Communications+and+Informatics
>
> and appears to be a genuine attempt to encourage young people into space science.
> The Russian agencies seem to have a properly co-ordinated system to study geomagnetism, the Ionosphere, aurora and other near-earth phenomena using micro-satellites.
>
> Have a good evening.
>
> 73 Al.
> GM1SXX
>
>

OK Al, but why on amateur radio frequencies ? Why does the governments not give other frequency ranges to the universities for free ? Or is this a rethorical question ? I think yes.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3118. Baumanetz computer

Yahoo group: eu-amsat
Date: 2010-01-10 22:36:50 UTC
From: Al copland
Topic: 3111 Message: 3118
Attachments: 1 described; binary payloads are missing from this source WARC

Hi group.

The Baumanetz satellites carried DOKA-B system and also a housekeeping computer very similar to that flown on SSETI Express using an ARM7 RISC CPU linked to three 8051 CPUs . The Houskeeping computer for Baumanetz was built at the University of Aalborg. Although the drawings say CAN2B, they also say MIL-1553. MIL-1553 is a standard for avionics and is a mil-spec serial interface bus that is in in common use in military aircraft. I suspect that a MIL-1553 system and not the CANBUS was used. Perhaps someone in the group knows which?

See attached image and also
http://en.wikipedia.org/wiki/MIL-STD-1553.

For the computer.
http://www.control.aau.dk/index.php?id=273
and the mission.
http://microsat.sm.bmstu.ru/eng/news.html

73 Al.
GM1SXX

Got a cool Hotmail story? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3119. Re: [amsat-bb] Re: AMSAT adopts Acceptable Use Policy for mailing lists

Yahoo group: eu-amsat
Date: 2010-01-14 21:36:14 UTC
From: Luc Leblanc
Topic: 3119 Message: 3119

On 14 Jan 2010 at 13:11, Bob McGwier wrote:

Date sent: Thu, 14 Jan 2010 13:11:41 -0500
From: Bob McGwier <rwmcgwier@...>
Subject: [amsat-bb] Re: AMSAT adopts Acceptable Use Policy for mailing lists
To: amsat-bb@...

> This is welcome and it took entirely too long. Its effectiveness will
> entirely be determined by enforcement: swift and sure.
>
>
> 73's
> Bob
> N4HY
>

I agree 100% with you Bob and just confirm if you refer to your October 14 post when you wrote it? (Read below) That's exactly what i ask
AMSAT-NA BOD since 4 years now and it will be interesting to see how "swift and sure" their action will have been conducted if this actual
"code of conduct" was in force at that time?

Instead of stigmatizing individual who voices their opinions on subject who at time can be opposed to AMSAT-NA lets see how things will go!

We fortunately have the European AMSAT-EU discussion group where an open minded spirit is present even moderated by people dedicated to
offer an alternate solution to those who are opposed to any censorship as there is a very narrow margin between a moderated forum and
censorship on this very same forum. As you said the effectiveness will entirely be determined not by the stick but by education as what we
read at time in the past on AMSAT-BB was often more a lack of education and politeness lets say "savoir vivre" than anything else.

The education word here should be interpreted in the sense of "Good Manners" If someone don't have an etiquette resource, keep reading for
more ideas. Consider picking up one of many etiquette books. Some colleges offer weekend etiquette lessons, usually open to all ages. This
is a great idea for anyone looking to make a better impression or at least demonstrate that you have a minimal knowledge of how to behave
during group discussion have a polite manner when you choose to differ from the other person´s point of view.

As this new AUP speak about "Acceptable Content" and as AMSAT-NA is declaring "We embrace diversity of opinions and values." we just hope
this is more than words and there is a real intent of fairness in this code of conduct not a tool to silence anyone of does not share the

views and ideas of AMSAT-NA.

Here is your October 14 2009 prose...

On 14 Oct 2009 at 16:00, Bob McGwier wrote:

Date sent: Wed, 14 Oct 2009 16:00:29 -0400
From: Bob McGwier <rwmcgwier@...>
Subject: Re: [amsat-bb] Re: AMSAT Symposium News Posted to the Web
To: Luc Leblanc <lucleblanc6@...>
Copies to: amsat-bb@amsat.org, eu-amsat@yahoogroups.com

"Quote"

> You are just as full of crap now as you were before I stopped reading
> this at the end of my term as director and officer.
>
> It does not help to second guess what is going on by hurling a rotten
> tomato, egg, or to play your fiddle while you watch Rome burn after
> you have helped start the fire.
>
> There is only one way I can see we will get to HEO. That is partnered
> with the world and most especially with AMSAT-DL who have a complete
> satellite but need some things from AMSAT-NA, promised before the ITAR
> hammer dropped on us. We made mistakes in dealing with this issue. We
> have remedied these mistakes (OFFICIALLY). We are doing our best to get
> the slow bureaucracy to move with all deliberateness towards a solution
> to our ITAR problem. If wAMSAT-NA gets what it needs for from the U.S.
> government, we will be able to return to "AMSAT business as usual" the
> way we USED TO conduct business, with the single exception that we will
> have to inform our government officially here in the US of what we are
> doing but without having to put our friends to a ridiculous level paper
> handling and onerous conditions. Should that happen, we MIGHT succeed
> in getting P3E launched if not too much time has passed already.
>
>
>
> It was the stated opinion of the AMSAT-NA board of directors and
> officers, given the testimony and advice we received before I left the
> board of directors and continuing during the new board's first meetings
> that EDUCATION is our only real hope for near term success in program
> building. WHAT IS THE BIGGEST GAME IN TOWN FOR IMMEDIATE RETURN HERE?
> CUBESAT's you open mouthed blunderbuss bully. If you stop throwing
> rocks, and acting like the biggest bully on the playground, you might
> even be able to help.
>
> AMSAT-NA has been approached directly by MULTIPLE universities to get
> our partnership in dealing with doing work for them, aiding them in
> getting their experiments safely on orbit and returning data. In
> return, we get transponders and more. Something NO cubesat has flown (an
> amateur radio transponder). We have new technology which will aid this

> TREMENDOUSLY in that we can (and have) miniaturized much and can
> miniaturize more and get better performance at lower power for these
> satellites and do the schools/education and ourselves some good.
>
> I participated in the year long study (by giving advice in the latter
> half) undertaken by members of a task force put together by the current
> president. MANY options were considered and are UNDER further
> consideration. But consideration, and more importantly, negotiation,
> does not go well when being conducted in the AMSAT-BB. Sometimes
> negotiating partners worry when you spread their current plans and
> offerings across the wonderous milieu provided by this oh so beneificial
> platform.
>
> It is my opinion, given much input from several sources, that AMSAT-NA
> has been harmed directly and substantially by the conduct on this BB.
> Be grateful I am a has been. If I were a director and had this input,
> I would move to turn this thing off tomorrow rather than let it continue
> another day and do the damage notes such as yours and others do to the
> organization in being viewed by outside people. The handful of
> volunteers that conduct the business and engineering of the organization
> do not have time to sit here and daily answer this crap. What good
> organizations do is consider well written and thoughtful input in
> written form. It does not do itself any good to conduct business in the
> mud slinging forum here and AMSAT, in my opinion, should cease support
> for this mud slinging forum.
>
> PLEASE for crying out loud, go into a winter wonderland cave and
> hibernate for a winter.
>
>
"End of quote"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3120. Re: AMSAT adopts Acceptable Use Policy for mailing lists

Yahoo group: eu-amsat
Date: 2010-01-15 11:40:55 UTC
From: Luc Leblanc
Topic: 3119 Message: 3120

TO: AMSAT-NA BOD members and Acceptable Use Policy committee

As you can see your noble intents are probably not fulfil yet as Jack KD1PE wrote::

Censorship in any form without external control is unacceptable... I suspect
some with thinner skins than others will find it a convenient screen to hide
behind operating under the guise of "cleaning up the BB... All that was
needed was that if you didn't like it delete it. To adopt something like
this puts you all in the "god" seat. I assume any talk of a HEO is not
entertained (Sorry that is a joke).

DE KD1PE

My previous post is still pending as he is already posted on AMSAT-EU... Is my post is
moderated or censored?

As you invited and refer us to other tribune can you just confirm if those below can be
acceptable? If yes i will be glad and challenged to
used them at my own chosen time.

http://www.asc-csa.gc.ca/eng/forms/form_info.asp
http://www.hq.nasa.gov/office/pao/FOIA/agency/
reginfo@...
http://www.iaru.org/index.html

For those on AMSAT-EU forum we will at least have a "clear" confirmation if the AMSAT-NA BB
is moderated or censored? Some will say we
already have the answer but let see if those who hide themselves behind a committee will
have the courage to defend their actions? Failing
to do so will let this burden to the Acceptable Use Policy committee members just hope we
will not have to interpret any silence as
cowardice?

Just to remind you the Acceptable Use Policy committee members names:

Stephen Belter, N9IP
Alan Biddle, WA4SCA
Mark Hammond, N8MH;
Samudra Haque, N3RDX
Paul Williamson,KB5MU.

Sorry for this repost on AMSAT-EU but it will officially confirm ounce and for all (I hope)
where AMSAT-NA is standing about their own
country Freedom of Information Act. Just to remind the Acceptable Use Policy committee
members they individually and personally endorse
their AUP paper and it is the AMSAT-NA corporation who accepted it protecting on "paper"
their BOD members...Again we don't want to

interpret this move as BOD cowardice.

P.S. Be advise that any personal e-mail i will received regarding this AUP affair can be made public if there is any public interest

Here is the "MODERATED" or "CENSORED" message by AMSAT-NA

On 14 Jan 2010 at 13:11, Bob McGwier wrote:

Date sent: Thu, 14 Jan 2010 13:11:41 -0500
From: Bob McGwier <rwmcgwier@...>
Subject: [amsat-bb] Re: AMSAT adopts Acceptable Use Policy for mailing lists
To: amsat-bb@amsat.org

> This is welcome and it took entirely too long. Its effectiveness will
> entirely be determined by enforcement: swift and sure.
>
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> 73's
> Bob
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To: Luc Leblanc <lucleblanc6@videotron.ca>
Copies to: amsat-bb@..., eu-amsat@yahoogroups.com

"Quote"

> You are just as full of crap now as you were before I stopped reading
> this at the end of my term as director and officer.
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"-"

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3121. Re: AMSAT adopts Acceptable Use Policy for mailing lists

Yahoo group: eu-amsat
Date: 2010-01-15 18:15:37 UTC
From: Luc Leblanc
Topic: 3119 Message: 3121

On 15 Jan 2010 at 6:55, Mark L. Hammond wrote:

Date sent: Fri, 15 Jan 2010 06:55:43 -0500
From: "Mark L. Hammond" <marklhammond@...>
Subject: Re: AMSAT adopts Acceptable Use Policy for mailing lists
To: Luc Leblanc <lucleblanc6@...>, amsatbod@...
Copies to: APBIDDLE@..., n3rdx@..., kb5mu@..., seb@...,
kd1pe.1@..., eu-amsat@yahoogroups.com

> Luc,
>
> I am only making one point in my response (well, maybe two):
>
> In the USA, Freedom of Speech does not give anyone the right to say (or write) anything at any time.
> Likewise, the Freedom of Information Act (which is different) does not guarantee that all information will be made available to those > that ask for it. There are limits to both.
>
>
>
> 73,
>
> Mark N8MH

I fully agree Mark the Freedom of Information Act and the Freedom of Speech are different things and AMSAT-NA is already making numerous
breach in the freedom of speech rights and it's bad and it impaired the reputation of AMSAT-NA and his officers.

As Jack says "Censorship in any form without external control is unacceptable..." just check the very same message that i send you never
appears yet on AMSAT-BB i asked if it is censored or moderated? you don't answer directly... this tell me a lot about the about the hidden
intents of AMSAT-NA that we all know is to silence any opinions against AMSAT-NA and his politics.

I appreciate your time spent answering but if you can just reply to my question it will enlighten us all about the real motive behind this
AUP? Failing to do so will only lead to the conclusion that AMSAT-NA, his BOD and his AUP committee members are only pursuing one goal the
"censoring of all his BB."

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3122. No downlink only carrier !! hope-1 last pass over africa!Friday, January 15, 201

Yahoo group: eu-amsat
Date: 2010-01-15 20:51:34 UTC
From: st2nh
Topic: 3122 Message: 3122

Strong carrier on 435.675 mhz, Completely No fm downlink or packet througth all the pass!!

orbit #417 time 2015 -2038 loc kk65gp
beacon cw was in 2 different tones?
x ponder is off

schedule info

15 Jan. 2010
HO-68 FM and Digital Transponder
20:15 Turn On
South Africa,Middle East Asia,Europe,NA,North Pole, North As
21:00 Turn Off

73 de nader

3123. LEO/cube sat for sale 8000$

Yahoo group: eu-amsat
Date: 2010-01-16 05:34:32 UTC
From: Luc Leblanc
Topic: 3123 Message: 3123

For those who are still dreaming for a HEO in the mean time just check below you can have your own LEO/tube sat satellite for 8000$ launch
included payable with the major credit card and you even have payment options!

I'm just waiting to see one of them on E-Bay

As they said "TubeSats are designed to be orbit-friendly. Launches are expected to begin in December of 2010." Probably the replacing
solution for our aging AMSAT-NA satellite fleet? Anyone with 8000$ can own his own satellite let me guess in a couple of years the same
repeater frenzy will also reach the amateur satellite world. No more need of club or organization or IARU frequencies coordination .
The perfect world...

http://interorbital.com/TubeSat_1.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3124. Re: [eu-amsat] LEO/cube sat for sale 8000$

Yahoo group: eu-amsat
Date: 2010-01-16 13:02:27 UTC
From: Thomas Frey
Topic: 3123 Message: 3124

It makes more sense if you spend your $800 to AMSAT-DL than to a "grave satellite".

Luc Leblanc wrote:
>
> For those who are still dreaming for a HEO in the mean time just check below you can have your own LEO/tube sat satellite for 8000$ launch
> included payable with the major credit card and you even have payment options!
>
> I'm just waiting to see one of them on E-Bay
>
> As they said "TubeSats are designed to be orbit-friendly. Launches are expected to begin in December of 2010." Probably the replacing
> solution for our aging AMSAT-NA satellite fleet? Anyone with 8000$ can own his own satellite let me guess in a couple of years the same
> repeater frenzy will also reach the amateur satellite world. No more need of club or organization or IARU frequencies coordination .
> The perfect world...
>
> http://interorbital.com/TubeSat_1.htm
>
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
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>
> Yahoo! Groups Links
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>

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Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3125. Sofware for rotators control

Yahoo group: eu-amsat
Date: 2010-01-16 13:20:43 UTC
From: Codrut
Topic: 3125 Message: 3125

I hope somebody will find usefull the PstRotator program. It can be downloaded from www.qsl.net/yo3dmu/index_Page346.htm

PstRotator handles just about every controllable rotator in common use: Prosistel "D" and "C", RT-20 and RT-21 Green Heron, DCU-1 HyGain, RC1 MDS, Rotor-EZ Idiom Press, Easy-Rotor-Control, Yaesu Az and Yaesu Az/El GS-232A and GS-232B, M2 RC2800, AlfaSpid RAK Az and RAS Az/El, Easycomm, ST3 Fox Delta, Endeavour Electronics AutoTracker, ZL1BPU, EGIS, Create RAC825, EA4TX Arswin, DL7AOT, LBV Tracker, PrimeSat and VK5DJ.

PstRotator provides automatic tracking for satelites and EME, using for this WXtrack, WinOrbit, Orbitron, Nova for Windows, Sat_Explorer, SatPC32, WSJT, Z-Track, GJTracker, EME System, Trak_SM, or HRD Satellite Tracker. Also it works with some contest loggers like N1MM, TACLog and Win-Test. Other programs supported are MixW, DXView, VQLog and Ham Radio Deluxe v5 (HRD Logbook).

Tracking the moon is easier now using an internal algorithm.

PstRotator supports multiuser remote control over TCP/IP.

Antenna can be pointed on any direction with:
- mouse click on a map,
- mouse click on the compass rose,
- left/right/up/down keyboard arrows,
- setting the azimuth / elevation,
- setting the QRA locator (4, 6 or 8 digits),
- selecting the DXCC,
- typing a callsign,

73, Codrut - YO3DMU

3126. Re: LEO/cube sat for sale 8000$

Yahoo group: eu-amsat
Date: 2010-01-16 15:33:26 UTC
From: Al
Topic: 3123 Message: 3126

Hi group,
Re Luc's posting, I was more interested in the suggested users for a Tubesat..Viz

Earth-from-space video imaging
Earth magnetic field measurement
Satellite orientation detection (horizon sensor, gyros, accelerometers, etc.)
Orbital environment measurements (temperature, pressure, radiation, etc.)
On-orbit hardware and software component testing (microprocessors, etc.)
Tracking migratory animals from orbit
Testing satellite stabilization methods
Biological experiments
On-orbit advertising
Private e-mail
Space art
Space burials

While these little birds may well be very useful for the suggested uses, there's no sign of amateur radio satellites anywhere in there. Have they missed an opportunity, or does the company consider short lived LEO birds (just like like most CUBESATS) not worthy of their advertising attention? After all, $8000 a pop *is* pretty cheap. I'd have expected at least some AMSAT groups to jump at the chance of such a launch, given the popularity, in some quarters at least, of CUBESATS. I don't see any reason why some of these birds couldn't have AMSAT-OSCAR-Something-or-other designations, just to add to the fun and confusion we already have with multiple satellite naming. Admittedly you wouldn't hope to work DX on such a bird, should working DX be what 'floats your boat', it isn't mine, but I don't get how they are really any different from existing CUBESATS, except for cost.
Small, lousy power budget, low orbit, and useless for transponding. Other than that... just great! It's just an even less expensive way to fire swarms of 'me too's' into space. We already have such a system, but this seems to be cheaper... *if* their launcher works. If it does, we can look forward to lots of new 'amateur radio' beepsats on the bands.

73 Al. GM1SXX

3127. DX.

Yahoo group: eu-amsat
Date: 2010-01-16 15:44:29 UTC
From: John Hackett
Topic: 3123 Message: 3127

Aw C'mon Al,
Be fair !!! ... you could work all the way from Paisley to Glasgow !!! on such a satellite - (in a 300km high orbit) ... it must be all of 8 miles?.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Sat, 16 Jan 2010 15:33:26 +0000
Subject: [eu-amsat] Re: LEO/cube sat for sale 8000$

Hi group,

Re Luc's posting, I was more interested in the suggested users for a Tubesat..Viz

Earth-from-space video imaging

Earth magnetic field measurement

Satellite orientation detection (horizon sensor, gyros, accelerometers, etc.)

Orbital environment measurements (temperature, pressure, radiation, etc.)

On-orbit hardware and software component testing (microprocessors, etc.)

Tracking migratory animals from orbit

Testing satellite stabilization methods

Biological experiments

On-orbit advertising

Private e-mail

Space art

Space burials

While these little birds may well be very useful for the suggested uses, there's no sign of amateur radio satellites anywhere in there. Have they missed an opportunity, or does the company consider short lived LEO birds (just like like most CUBESATS) not worthy of their advertising attention? After all, $8000 a pop *is* pretty cheap. I'd have expected at least some AMSAT groups to jump at the chance of such a launch, given the popularity, in some quarters at least, of CUBESATS. I don't see any reason why some of these birds couldn't have AMSAT-OSCAR-Something-or-other designations, just to add to the fun and confusion we already have with multiple satellite naming. Admittedly you wouldn't hope to work DX on such a bird, should working DX be what 'floats your boat', it isn't mine, but I don't get how they are really any different from existing CUBESATS, except for cost.

Small, lousy power budget, low orbit, and useless for transponding. Other than that... just great! It's just an even less expensive way to fire swarms of 'me too's' into space. We already have such a system, but this seems to be cheaper... *if* their launcher works. If it does, we can look forward to lots of new 'amateur radio' beepsats on the bands.

73 Al. GM1SXX

3128. Re: [eu-amsat] LEO/cube sat for sale 8000$

Yahoo group: eu-amsat
Date: 2010-01-16 16:45:59 UTC
From: Luc Leblanc
Topic: 3123 Message: 3128

On 16 Jan 2010 at 14:02, Thomas Frey wrote:

Date sent: Sat, 16 Jan 2010 14:02:27 +0100
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] LEO/cube sat for sale 8000$
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> It makes more sense if you spend your $800 to AMSAT-DL than to a "grave
> satellite".
>
>
Over my dead body if one day i won our local provincial loto that's what i will probably do if i get more than my usual 2$... I just hope
AMSAT-NA will not be tempted by this idea with their degrading financial position...even their voluntary hours system is not working.

You just open my can of worm Thomas... and here is some of my general thoughts

They are now confirming on paper their freedom of speech denial confirming and validating the very useful nature of AMSAT-EU discussion
group where we can have open discussion and respecting the others rights to have a different opinion.

Regretfully i am ashamed that in 2010 there is an amateur satellite radio association who is now working as an inquisition tribunal in
censoring anyone who's against their ideas and asking the world under the amateur radio international space station program namely called
ARISS program to promote the space program to the youth when they are not respecting one of the human right article "The speech freedom"

That AMSAT-NA does not respect the freedom of speech is not new and it just increased as per this equation y=c/x where x is their declining
multiple of 2 factor. But that the SAREX mailing list is also under the same anti democratic ruling is innacceptable and it is my goal to
let the world aware of it by any mean available. Thank's to AMSAT-NA offering me this new challenge i just hope the world amateur radio
community will be now more aware of what this declining group is doing making now more harm to amateur radio than anything useful.(My own
evaluation but feel free to correct me here)

Another sign of their declining state no one and absolutely no one never in years in their various BOD members and blinded supporters where
able to answer directly my questions just see the last one address to one of their AUP committee member:

From: Luc Leblanc <lucleblanc6@...>
To: "Mark L. Hammond" <marklhammond@...>
Subject: Re: AMSAT adopts Acceptable Use Policy for mailing lists
Copies to: amsat-bb@..., eu-amsat@yahoogroups.com
Date sent: Fri, 15 Jan 2010 13:13:35 -0500

> On 15 Jan 2010 at 6:55, Mark L. Hammond wrote:
>
> Date sent: Fri, 15 Jan 2010 06:55:43 -0500
> From: "Mark L. Hammond" <marklhammond@...>
> Subject: Re: AMSAT adopts Acceptable Use Policy for mailing lists
> To: Luc Leblanc <lucleblanc6@...>, amsatbod@...
> Copies to: APBIDDLE@..., n3rdx@..., kb5mu@..., seb@...,
> kd1pe.1@..., eu-amsat@yahoogroups.com

> I fully agree Mark the Freedom of Information Act and the Freedom of Speech are different things and AMSAT-NA is already making >numerous breach in the freedom of speech rights and it's bad and it impaired the reputation of AMSAT-NA and his officers.
> As Jack says "Censorship in any form without external control is unacceptable..." just check the very same message that i send you never
> appears yet on AMSAT-BB i asked if it is censored or moderated? you don't answer directly... this tell me a lot about the about the >hidden intents of AMSAT-NA that we all know is to silence any opinions against AMSAT-NA and his politics.
>
> I appreciate your time spent answering but if you can just reply to my question it will enlighten us all about the real motive behind >this AUP? Failing to do so will only lead to the conclusion that AMSAT-NA, his BOD and his AUP committee members are only pursuing one >goal the "censoring of all his BB."

The usual way they answer is to try to patronized all the NAYS opinion with this kind of arguement given by KG4ZLB Sir David A Worboys
formerly M0ZLB who came in America depriving UK from his skilful acute judgement and phlegmatic prose. Here is one of his best probably
inspired under a senior moment or caused by the last week too much outside freezing temperature head exposure. I'm joking evidently but
just to remind all of us we still have the right to discuss with some humour touch but i failed to detect any in some authors text!

"Quote"

"We all know who they are; the ones that immediately post a facetious
reply to a newbie question, the ones that post one line,or worse still,
one word answers that are ambiguous at best and downright rude at worst;
the ones that take childish delight in trying to elicit the maximum
controversy with seemingly innocuous postings"

"end of quote"

Yes David we all know who they are but they have the right to express and voice their opinion (Even if we can disagree about their ways who
we are to judge them?) (Telling them directly and politely in private often make's them reconsider their manners the stick never work) It
is not why you came in the US in 2003? Or have you been dragged by some other incentive?

Any way i looked forward to have an eyeball QSO
with you pretty soon you seems to be a fantastic character to meet and discuss with and probably well inclined in human relationship and we
always have our past track record to ascertained our behavioural problems. Again it is not directed toward anyone your post just offer me a
way to let the others know how to not behave in a group discussion as i wrote in a previous post who was censored on AMSAT-BB. I just hope
you don't cut all your links with Europe and UK and that you will joined the EU-AMSAT discussion group if it's not already done we will all
gained to read your always on topic post.

If we scrape just a bit our outside envelop we always find that we all have the same goals but what's make's us unique is how shallow
theses intents are.

P.S. It's funny to see the last AMSAT-NA Bob McGwier, N4HY post pass through and all mine are blocked? Another AMSAT-NA double standard?
Poor Bob and poor AMSAT-NA Does anyone can explain why he's passing the AUP and not me!!!
And Bob just hope you can find some help in what
i wrote above i will pray for you and in the mean time the only one direct way i can use to ease you pain is to try to help you with the
following lines.

Here is some text who i hope can be of some help to us all.

Criticism is the judgment (using analysis and evaluation) of the merits and faults of the actions or work of another individual. Criticism
can mean merely to evaluate without necessarily finding fault; however, usually the word implies the expression of disapproval.

Vulnerability with their own self-esteem makes individuals with narcissistic personality disorder very sensitive to criticism or defeat.
Although they may not show it outwardly, criticism may haunt them and leave them feeling humiliated, degraded, hollow, and empty. They may
react with disdain, narcissistic rage, or defiant counterattack.

Narcissists are extremely sensitive to personal criticism and extremely critical of other people. They think that they must be seen as
perfect or superior or infallible or else they are worthless. There's no middle ground

The narcissist is constantly on the lookout for slights. He is hypervigilant. He perceives every disagreement as criticism and every
critical remark as complete and humiliating rejection: nothing short of a threat.

Criticism and paranoids

Individuals with paranoid personality disorder are often rigid, critical of others, although they have great difficulty accepting criticism
themselves.

Criticism and avoidants

Individuals with avoidant personality disorder are hypersensitive to criticism or rejection. They build up a defensive shell.

Live long and prosper!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3129. P3E News

Yahoo group: eu-amsat
Date: 2010-01-16 17:22:53 UTC
From: Thomas Frey
Topic: 3129 Message: 3129

Erst in Deutsch, dann in Englisch
First in German, then in English

Phase-3E News
==========

Update Satellit (Hardware)

Peter, DB2OS, informierte an der ausserordentlichen Mitgliederversammlung am 10. Oktober 2009 ?ber Phase-3E. Die Mechanik des Satelliten ist fertig. Auch viele Module, die sich meistens noch bei den Entwicklern befinden.

Im Anschluss an die ausserordentliche Mitgliederversammlung am 10. Oktober 2009 gab es einen wichtigen Meilenstein am Projekt zu feiern. Mario, DL5MLO, f?hrte an dem in Deutschland hergestellten Ingenieursmodell der IHU-3 den Datentransfer zwischen der IHU-3 und einem Laptop ?ber die 400 bit/s PSK Schnittstelle vor. OM Dr. Karl Meinzer liess es sich nicht nehmen, sofort einige IPS-Kommandos an den Bordrechner abzusetzen um mit voller Freude die korrekte Antwort im Display des Laptop zu sehen. ?ber diese Datenkommunikation wird im Flugbetrieb P3E kontrolliert und gesteuert werden.

Allerdings gibt es noch viel zu tun. Bisher gibt es nur einen Prototypen auf Basis des letzten Layout-Standes. Aufgrund verschiedener ?nderungen im Schaltplan und nicht mehr verf?gbarer oder besserer Bauteile muss das gesamte Layout ?berarbeitet bzw. neu erstellt werden.

Mit dem Bau der IHU-3, CAN-DO!-Bus und dem SDX bei AMSAT-DL ist Phase-3E nun "ITAR-free", also frei von Exportrestriktionen der USA. Diese Module wurden auch als Hilfeleistung von Mitgliedern der AMSAT-NA entwickelt.

Startkosten

Ein Satellitenstart mit der Ariane kostet etwa 3 Millionen Euro. Als Alternative zu Ariane und Sojuz k?me die neue Agentur SpaceX in Frage. Es wurde ?ber die M?glichkeiten einer preisg?nstigen Mitfluggelegenheit f?r P3E auf einer der Falcon-9-Raketen gesprochen. Derzeit liegen die genannten Preise f?r einen regul?ren Falcon-9-Start allerdings ausserhalb der finanziellen M?glichkeiten der AMSAT-DL. W?hrend des Gespr?chs deutete sich jedoch eine vage M?glichkeit an, wie man die Kosten reduzieren k?nnte. AMSAT-DL wird daher weiterhin mit SpaceX in Kontakt bleiben.

Die Finanzierung der Startkosten soll durch die Marsmisssion P5A erfolgen. Zur Machbarkeit von P5A mit jeweils 10 Millionen Euro f?r Start und Bau wurde mit der DLR die Erstellung einer Studie vereinbart. Da bis zur m?glichen Verwirklichung des P5A-Projektes in den Jahren 2016 bis 2018 eine relativ lange Zeit bleibt, w?re eine von der deutschen Regierung

angedachte Mondmission f?r die AMSAT-DL ebenfalls interessant.

P5-Mond-Mission

Hartmut, DL1YDD, erl?uterte, dass Gespr?che im September 2009 mit der DLR auf technischer Ebene stattfanden. Eine Mondmission als Zwischenschritt zu einer Marsmission, mit einer Sonde in einem 100-km-Orbit um den Mond, w?re im Jahre 2014 m?glich.

Das Satellitendesign f?r die P5-Mond-Mission soll, wie auch die P5-Mars-Mission, auf der P3D-Struktur von AO-40 basieren. ?ber weitere Details soll nach Abschluss der zurzeit laufenden sechsmonatigen DLR/AMSAT-DL-Studie im Fr?hjahr 2010 berichtet werden.

***

Phase-3E News
==========

Satellite Update (Hardware)

Peter, DB2OS, informed at the extraordinary general meeting at 10 October 2009 about Phase-3E. The mechanics of the satellite is ready. Also many modules are mostly still at the developers.

Following the extraordinary general meeting there were celebrating a major milestone in the project. Mario, DL5MLO, showed the data transfer between a in Germany produced engineering model of the IHU-3 and a notebook with 400 bps PSK.

OM Dr. Karl Meinzer takes immediately some IPS commands to the onboard computer enjoying to see the correct answer in the display of the laptop. With this data communications P3E will be monitored and controlled in flight.

However, there is still much to do. So far there is only a prototype at basic layout of the last stand. Due to various changes in the schematic and no longer available or improved components all layouts will be revised or newly created.

The construction of the IHU-3, CAN-DO! Bus and the SDX at AMSAT-DL, Phase-3E is now "ITAR-free", ie free of export restrictions in the U.S.. These modules were developed also as an aid by members of AMSAT-NA.

Launch costs

A satellite launch with the Ariane will cost about 3 million Euros. An alternative to Ariane and Soyuz could be the new agency SpaceX. It was talked about the possibilities for an inexpensive launch for P3E with one of the Falcon 9 rockets. At present, the prices for a regular Falcon-9-start,
however, are outside the financial resources of AMSAT-DL. During the interview, there were signs however, a vague possibility of how to reduce

costs. AMSAT-DL will therefore continue to remain in contact with SpaceX.

The financing of launch costs would be done by the Mars P5A mission. For the feasibility of P5A with costs of 10 million Euros for each start and developing it was agreed with DLR the creation of a study. As to possible realization of the project P5A in the years 2016 to 2018 a relatively long time to be a by the German government rethought mission to the Moon for AMSAT-DL would also be interesting.

P5-Moon mission

Hartmut, DL1YDD, said that talks in September 2009 with the DLR at technical level took place. A lunar mission as an intermediate step to a Mars mission would be equipped with a probe in a 100-km orbit around the Moon and possible
in the year 2014.

The satellite design for the P5-Moon mission is, as the P5-Mars mission, based on the P3D structure of AO-40. Further details will follow after completion of the currently for six months pending DLR/AMSAT-DL-study in spring 2010.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/
http://www.dlr.de
http://www.spacex.com/

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3130. Tubesats in the 433MHz amateur band?

Yahoo group: eu-amsat
Date: 2010-01-16 18:51:13 UTC
From: Al
Topic: 3130 Message: 3130

Hi,

A quick perusal of the TUBESAT website shows 433Mhz featured as an 'amateur radio band' frequency of choice, while other suggested frequencies are license exempt. Check for yourself at..
http://groups.yahoo.com/group/eu-amsat/photos/album/952508366/pic/663187172/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
or look up the screen snapshot in the GM1SXX photo folder on this website. So much for the list of proposed uses for these birds, which didn't even mention amateur radio. Calling them amateur radio birds is the 'cheap option' of course. We are being taken for a ride. Nothing new there then. Of course, no doubt once launches start happening, they will probably be assigned 'OSCAR' numbers, and no doubt they will become 'educational' amateur radio satellites, for a short while at least (thankfully) until they fall out of the sky.

Of course the vendors of TUBESATs *could* have chosen 433.920 which is license-exempt in many countries, and then they wouldn't need to be 'amateur radio' craft but they *would* have to compete with car-locking systems and a raft of other short-range, but often quite strong signals from license-exempt gear. Finally, I'd suggest that 433 is a very strange choice of 'amateur' frequency when most birds are above 435. That doesn't seem to fit with current satellite frequency planning. I'll watch with interest.

73 Al.
GM1SXX

3131. Re: Tubesats in the 433MHz amateur band?

Yahoo group: eu-amsat
Date: 2010-01-17 08:07:06 UTC
From: yo9gjx
Topic: 3130 Message: 3131

My garbage can looks better. Will be bad days for us, an invazion of schools will launch junk in space. Funny world and weared times. hi

3132. Re: [eu-amsat] Re: Tubesats in the 433MHz amateur band?

Yahoo group: eu-amsat
Date: 2010-01-17 12:28:53 UTC
From: Thomas Frey
Topic: 3130 Message: 3132

yo9gjx wrote:
> My garbage can looks better. Will be bad days for us, an invazion of schools will launch junk in space. Funny world and weared times. hi
>
>
>

No, that's a great idea. All universities launches their
"beep-beep-experiments"
in Tubesats instead in Cubesats. ;-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3133. Re: Tubesats in the 433MHz amateur band?

Yahoo group: eu-amsat
Date: 2010-01-17 13:31:14 UTC
From: Al
Topic: 3130 Message: 3133

Hi Group.

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> No, that's a great idea. All universities launches their
> "beep-beep-experiments"
> in Tubesats instead in Cubesats. ;-)

Well Thomas, I don't see any real difference between CUBESAT's and TUBESATS, except that if the idea works, TUBESATS will be even cheaper, and therefore even more accessible to Universities. Lets not kid ourselves though that these will be 'amateur radio' birds. In the education sector, it's about ticking boxes on exam papers, for student degree level passes, not about providing anything remotely useful to the average radio amateur. For the average amateur, they are just more clutter on 70Cms. So for universities, it won't matter either way, so long as they get to keep their 'downlink only' beepsats on 70Cms.

Of course, I wouldn't ever presume to post this sort of reply on the AMSAT-BB. It would probably be censored by those who proposed 'getting into bed' with the education sector in the first instance;-)
At the time I thought it was a lousy idea. I still do.

I don't normally bother reading the AMSAT-BB.. too much angst and vitriol for my liking, but I was pointed there recently to see the contrast between 'there' and 'here'. Fortunately, although this is a moderated group,(for commonsense reasons), we don't censor stuff, unless extreme bad language id used, or if someone is being attacked personally, so thankfully democracy is permitted and encouraged here. It's reflected in the success of this group. Thanks all. YOU guys make it possible.

73 Al.
GM1SXX
Post Scriptum. I have only ever rejected a couple of emails to this group in my time as moderator. They came from a virused PC of a group member and were not originated by said member. His problem has now been resolved, and he was in no way responsible for it.

3134. Re: [eu-amsat] Re: Tubesats in the 433MHz amateur band?

Yahoo group: eu-amsat
Date: 2010-01-17 15:33:15 UTC
From: Thomas Frey
Topic: 3130 Message: 3134

Al wrote:
>
>
> Hi Group.
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>
>> No, that's a great idea. All universities launches their
>> "beep-beep-experiments"
>> in Tubesats instead in Cubesats. ;-)
>>
> Well Thomas, I don't see any real difference between CUBESAT's and TUBESATS, except that if the idea works, TUBESATS will be even cheaper, and therefore even more accessible to Universities.

Hello Al

When in future the universities will fly their experiments in Tubesats
on 433 MHz this will free our 437 MHz band. And because of the lower
hight this satellites will earlier "decease". This were my thoughts.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3135. Re: Life Membership

Yahoo group: eu-amsat
Date: 2010-01-18 22:26:24 UTC
From: Luc Leblanc
Topic: 3135 Message: 3135

Another one who was stopped and sent down the drain

On 17 Jan 2010 at 22:40, amsat-bb@... wrote:

From: Luc Leblanc <lucleblanc6@...>
To: amsat-bb@...
Subject: Re: Life Membership
Date sent: Sun, 17 Jan 2010 22:40:57 -0500

$1.00 in 1975 had about the same buying power as $4.05 in 2009.

Annual inflation over this period was about 4.2%.

A 50$ life membership in 1975 worth 202.50$ in 2009 but the actual AMSAT-NA life membership is at 880$!!!

I don't know how this 880$ has been calculated but someone will surely come up with an explanation?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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WAC BASIC CW PHONE SATELLITE

3136. This time 8 msgs with QST photo and youtube movie .

Yahoo group: eu-amsat
Date: 2010-01-18 23:44:48 UTC
From: st2nh
Topic: 3136 Message: 3136

HI all
In a semi-quiet pass over Africa I`ve succeeded to up loaded 8 messages to HOPE-1 BBS.

Messages to
1- WA4SCA
2 - BA1DU
3 - TO ALL
4 - JE9PEL
5 - N8MH
6 - I7PQD
7 - DD1JSN
8 - TO ALL

See a movie at youtube channel
http://www.youtube.com/st2nh

(sry for flickering from an old monitor)

Message with attached file (photo) also uploaded.
The photo I've paint and uploaded carried a QST message to save Forest and Trees.
More useful meaning to BBS in time of fast DSL

The Directory was empty! I wish to receive a reply soon. Really FM killing the packet or vice versa . I'm lucky coz I'm here in quiet Africa. (Not so quiet, Not so lucky with DXCC)

The all-week, one-mode Schedule should give a chance to many hams to read and upload their messages before deleted by OBC. . Thanks Alan for this arrangement which had been suggested by my Elmer Mr. Dom.

Many Friends sent me an email asking about WISP setup!!
Here every thing in it default setting. I haven't change any thing only I've added the
Broadcast and BBS callsign . I'm using an old PC Pentium 2 ,OS is XP.

73 de Nader ☐ ST2NH

www.st2nh.com

http://st2nh-blogger.blogspot.com/

3137. Re: [amsat-bb] Re: It's NOT Censorship

Yahoo group: eu-amsat
Date: 2010-01-19 11:59:23 UTC
From: Luc Leblanc
Topic: 3137 Message: 3137

On 18 Jan 2010 at 8:29, othermail@... wrote:

Date sent: Mon, 18 Jan 2010 08:29:26 -0700
From: "othermail@..." <othermail@...>
Subject: [amsat-bb] Re: It's NOT Censorship
To: AMSAT-BB <amsat-bb@...>

> Steve Meuse wrote:
>
> > > When you are using the private resources of the AMSAT corporation, they can do whatever they like.
> > > That's not censorship, that's protecting their own resources.
> > > I, for one, welcome our new mailing list overlords :)
> > >
> > >
> > > -Steve
> >
>
> Me, too. The Board just established a simple policy that says
> "behave like an adult."
> Doesn't seem too restrictive to me.
>
> 73, Bob K0NR
>
>
Did you ever believe that anyone who's censoring someone will openly admitted it? They will try to justify it using any kind of fallacious
argument but as soon as you refrain someone asking questions or exposing his view or criticizing what he believe is wrong you effectively
censored him.

Just remember in the AO-40 era there was nearly no criticism on the AMSAT-BB as they where no ground for it. In the actual situation where
there was only hollow project who where never completed and those still in the making who are not going in the right direction no one the
AMSAT-NA never come up explaining why they still prefer an FM one channel sat instead of a linear transponder sat.

There is P3E who's going in the right direction instead of hiding behind ITAR AMSAT-NA should push more in a way to help to launch this
project. I don't know if ITAR has ever been an issue with the inter orbital TubeSat Personal Satellite kit
http://interorbital.com/TubeSat_1.htm but hey are making their kit available all over the planet!!! and with only a credit card...

There will always be 100 good explanations to justify wrong moves. If some voices against some of them is hurting so much that AMSAT-NA
only want to have them stopped it is censorship or called it the way you want.

Even if some text are not constructive enough at the taste of some it is an insult to the intelligence of the readers when you have to
censored them it is like if all the AMSAT-NA readers where unable to evaluate a post at his own merit. Did the AMSAT-NA readers are so dumb
that they are unable to have any sense of judgement?

Stopping as this AUP says Illegal, Insulting, abusive, harassing, or threatening message is the way to go but the knowingly false or
misrepresentative point is not well presented. As many discussion forum that i'm registered on the moderator always check if it is related
to the forum or if it is posted in the right forum section. Someone come up with an idea to have another forum to discuss non technical
issues. Just switched this idea a new forum only for technical discussion and when i said technical only that's. What i mean is all the sat
news ARISS news and ANS politics ruling and son on can still be on the actual AMSAT-BB. If someone wants to let the AMSAT-BB aware of a
specific technical discussion thread he can only just put a 2 line post on AMSAT-BB letting all know of whats the tech actual hot topic of
discussion is.

I can even suggest a name for this new BB "LUCTECH-BB"

This way it will send those technically inclined on their own protected and filtered forum and all the other on AMSAT-NA BB. If as it was
often the case the teckies start their rampage it will be on their own forum and those argumenting about the real north position ad nauseam
will be free to go ad lib on this tech forum.

Two separate BB one TECH and the other for general satellite non technical discussion eg: news, satellite schedule of operation, major
satellite change and so on. The rotor issues antenna problem preamp issues ect will be on this tech forum and why not implementing an FAQ
section where these always returning questions who often came when a new reader come on board can be classify by topic. It will give them
some post to read about their question.

Also save us from your patronizing post as: "behave like an adult" and "that's protecting their own resources" and just see the reality of
what this AUP in this actual form can lead too. I know some prefer to live in a double standard world where what they feel wrong for the
other is right for them but it doesn't work any more on a planet where we are all now very close by our communication tools.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3138. Messages storage time on HO-68 ?

Yahoo group: eu-amsat
Date: 2010-01-19 20:09:52 UTC
From: st2nh
Topic: 3138 Message: 3138

Yesterday I posted 8 messages to hope-1 BBS.

http://www.amsat.org/amsat/archive/amsat-bb/100day/msg83565.html

Today the directory was empty!!
XW-1 Store-forward Transponder user's manual stats the message storage time Is five days!!
I hope Mr. Alan BA1DU have a time to explain what is wrong!
73 DE ST2NH

3139. Re: [amsat-bb] 18 el cp yagi

Yahoo group: eu-amsat
Date: 2010-01-21 09:39:33 UTC
From: Luc Leblanc
Topic: 3139 Message: 3139

On 21 Jan 2010 at 6:49, Bob- W7LRD wrote:

Date sent: Thu, 21 Jan 2010 06:49:13 +0000 (UTC)
From: Bob- W7LRD <w7lrd@...>
Subject: [amsat-bb] 18 el cp yagi
To: amsat-bb@...

>
>
> Hello
>
> I am refurbishing a 18 element CP yagi. I am not sure of the manufacturer. I opened up the relay switching box and found a lot of moisture (Yes I live near Seattle) in the box.
> Lots of yuck and rust, on non stainless steel hardware.. The 12V connector is a simple phono plug, which should never be used outside. Before I reinvent the wheel has anyone been here before?
> Replace the phono plug, sealing everything. In the past I have used a material called 3M5200, a marine sealant, nasty but almost permanent. Suggestions please.
>
>
>
> 73 Bob W7LRD
>
> Seattle

Don't want to be alarmist but as you lived in Seattle here is the effect of a simulated earthquake. An acute subject actually. Not very
radio related but it can help us know that we are not fully shielded from the devastating effects. Just hope you are not living near the
ocean front

http://www.previmeteo.com/actu/tremblementsdeterre/37-simulation-d-un-tremblement-de-terre-a-seattle.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3140. Re: DOKA-B21 page... more

Yahoo group: eu-amsat
Date: 2010-01-21 11:27:28 UTC
From: Al
Topic: 3111 Message: 3140

Hi Thomas, and the Group,

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> OK Al, but why on amateur radio frequencies ? Why does the governments
> not give other frequency ranges to the universities for free ? Or is
> this a rethorical question ? I think yes.
>
>
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
>

Sorry Thomas, for some reason, I didn't read your posting, and I'd like to try to answer this one.
If you check on any of the offical websites re spectrum usage, such as OFCOM's in the UK, you will discover that the radio spectrum is heavily used and allocated already.

You asked "Why does the governments not give other frequency ranges to the universities for free ?".

Governments don't allocate spectrum space, The ITU does.
The IARU have to work with what they are allocated by International (not Government) decree. There is not much freedom to give Universities frequencies that are not already allocated to other users. The IARU have to try to keep everyone happy within the amateur radio bands and because they have no powers to allocate new frequencies to users, there is not much that they can do about the situation apart from frequency co-ordination.

Bear in mind also that apart from 2M where we are the primary user, most other 'useful' satellite allocations are on a secondary basis.
In most countries, the military and ISM users are the primary users on bands of interest to us, and therefore we have no real cause for complaint.

I personally would like to see amateur satellites and educational satellites on different bands, but the precedent was set a long time ago, and nobody really complained except for a handful of individuals so we are left with the situation we find ourselves in today, a situation of our own making that can only deteriorate further. We have no-one to blame except ourselves.

73 Al.
GM1SXX

3141. Re: [eu-amsat] Re: DOKA-B21 page... more

Yahoo group: eu-amsat
Date: 2010-01-21 16:33:25 UTC
From: Thomas Frey
Topic: 3111 Message: 3141

Al wrote:
>
>
> Hi Thomas, and the Group,
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> OK Al, but why on amateur radio frequencies ? Why does the governments
>> not give other frequency ranges to the universities for free ? Or is
>> this a rethorical question ? I think yes.
>>
>>
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>>
>>
> Sorry Thomas, for some reason, I didn't read your posting, and I'd like to try to answer this one.
> If you check on any of the offical websites re spectrum usage, such as OFCOM's in the UK, you will discover that the radio spectrum is heavily used and allocated already.
>
> You asked "Why does the governments not give other frequency ranges to the universities for free ?".
>

Hello Al

You are right, I made a mistake. I meant licences for other frequency ranges for free.

There is another problem. I don't know any organisation, whether HAM radio clubs nor AMSAT-organisations, who represents our interests at ITU. Do you know one ? If I compare endeavours for short wave and satellite use, we haven't wonder us, when we lose our frequencies. The 40m band is enlarged from 7.1 to 7.3 MHz for example.

> Governments don't allocate spectrum space, The ITU does.
> The IARU have to work with what they are allocated by International (not Government) decree. There is not much freedom to give Universities frequencies that are not already allocated to other users. The IARU have to try to keep everyone happy within the amateur radio bands and because they have no powers to allocate new frequencies to users, there is not much that they can do about the situation apart from frequency co-ordination.
>
> Bear in mind also that apart from 2M where we are the primary user, most other 'useful' satellite allocations are on a secondary basis.

> In most countries, the military and ISM users are the primary users on bands of interest to us, and therefore we have no real cause for complaint.
>
> I personally would like to see amateur satellites and educational satellites on different bands, but the precedent was set a long time ago, and nobody really complained except for a handful of individuals so we are left with the situation we find ourselves in today, a situation of our own making that can only deteriorate further. We have no-one to blame except ourselves.
>
> 73 Al.
> GM1SXX
>
>
>

I agree, but we can fight. If we don't, we lose the "war".

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3142. RE: [eu-amsat] Re: DOKA-B21 page... more

Yahoo group: eu-amsat
Date: 2010-01-21 17:25:59 UTC
From: Al copland
Topic: 3111 Message: 3142

Hi Group,
Thomas said..

> There is another problem. I don't know any organisation, whether HAM radio
> clubs nor AMSAT-organisations, who represents our interests at ITU. Do
> you know one ? If I compare endeavours for short wave and satellite use,
> we haven't wonder us, when we lose our frequencies. The 40m band is
> enlarged from 7.1 to 7.3 MHz for example.

Amateur satellites are just one competing use for the bands. I suspect that AMSAT do have some representation at IARU and ITU level, perhaps via the IARU satellite co-ordinator? Thomas has raised an interesting point. Perhaps another group member has the answer to this question? I would be surprised indeed if the amateur satellite fraternity has no representation at ITU level. Answers anyone?

73 Al.
GM1SXX

_____
Send us your Hotmail stories and be featured in our newsletter
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3143. Roberto IW5BSF

Yahoo group: eu-amsat
Date: 2010-01-22 08:37:50 UTC
From: Al
Topic: 3143 Message: 3143

Hi group,

I've just added Roberto IW5BSF as a member of the group. I'm sure many of you will have worked Roberto or perhaps know him personally. Good to have you aboard Roberto.

73 Al.
GM1SXX

3144. Re: Roberto IW5BSF

Yahoo group: eu-amsat
Date: 2010-01-22 11:04:12 UTC
From: Roberto
Topic: 3143 Message: 3144

Thank Al.
73 de iw5bsf Roberto

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
> Hi group,
>
> I've just added Roberto IW5BSF as a member of the group. I'm sure many of you will have worked Roberto or perhaps know him personally. Good to have you aboard Roberto.
>
> 73 Al.
> GM1SXX
>

3145. First space twitter message

Yahoo group: eu-amsat
Date: 2010-01-22 22:36:23 UTC
From: Luc Leblanc
Topic: 3145 Message: 3145

As internet gets his toll on the Ham rank's Twitter will probably be the last coffin nail...the more the evolution goes the more our cube
sats's will be consider "old and useless technology" If it was not the wisdom and vision of our friends from China and South-Africa we will
only get BIP university sats taking the ham bands as their first cheap communication alternative. Giving nothing in return as 2 way
communication availability.

Just check "http://twitter.com/@Astro_TJ"

Hello Twitterverse! We r now LIVE tweeting from the International Space Station -- the 1st live tweet from Space! :) More soon,
send your ?s

10388 follower I'm one of them...;)

Always on the fastest satellite amateur radio forum:
http://groups.yahoo.com/group/eu-amsat/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3146. help TS-790 with serial frequency control

Yahoo group: eu-amsat
Date: 2010-01-22 23:23:15 UTC
From: Roberto
Topic: 3146 Message: 3146

Me modific kenwood ts790e place compone position,please photo image board.
Erich report modific in file satpc32 kenwood modific radio,
cut or remove schematic D20 ?.
73 de iw5bsf Roberto

3147. RE: [eu-amsat] help TS-790 with serial frequency control

Yahoo group: eu-amsat
Date: 2010-01-23 14:52:58 UTC
From: Al copland
Topic: 3146 Message: 3147

Hi Group.

I'm not absolutely certain, but I believe Roberto is referring to this mod which was mentioned on the AMSAT-BB.
http://www.mail-archive.com/amsat-bb@.../msg06663.html

Can anyone help please?

73 Al.
GM1SXX

> To: eu-amsat@yahoogroups.com
> From: iw5bsf@...
> Date: Fri, 22 Jan 2010 23:23:15 +0000
> Subject: [eu-amsat] help TS-790 with serial frequency control
>
> Me modific kenwood ts790e place compone position,please photo image
> board.
> Erich report modific in file satpc32 kenwood modific radio,
> cut or remove schematic D20 ?.
> 73 de iw5bsf Roberto
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

_____
We want to hear all your funny, exciting and crazy Hotmail stories. Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3148. Re: [eu-amsat] help TS-790 with serial frequency control

Yahoo group: eu-amsat
Date: 2010-01-23 15:42:55 UTC
From: Thomas Frey
Topic: 3146 Message: 3148

Al copland wrote:
>
>
> Hi Group.
>
> I'm not absolutely certain, but I believe Roberto is referring to this
> mod which was mentioned on the AMSAT-BB.
> http://www.mail-archive.com/amsat-bb@.../msg06663.html
>
> Can anyone help please?
>
> 73 Al.
> GM1SXX
>
>
> > To: eu-amsat@yahoogroups.com
> > From: iw5bsf@...
> > Date: Fri, 22 Jan 2010 23:23:15 +0000
> > Subject: [eu-amsat] help TS-790 with serial frequency control
> >
> > Me modific kenwood ts790e place compone position,please photo image
> > board.
> > Erich report modific in file satpc32 kenwood modific radio,
> > cut or remove schematic D20 ?.
> > 73 de iw5bsf Roberto
> >

Where is D20 ? In the interface or in the transceiver ? I would never
remove or cut a diode in a transceiver.

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3149. Coaxial line question

Yahoo group: eu-amsat
Date: 2010-01-24 10:04:21 UTC
From: Luc Leblanc
Topic: 3149 Message: 3149

Yes again a returning question "preamp at the tower or near the shack"

I will have to do soon some maintenance work on my satellite antennas tower. I planned to use 2 heliax 1/78" 45' individual line. Each
line will be terminated by high quality 2psp coaxial microwave switch feeding UHF and VHF antennas. I don't know if i can move my VHF and
UHF preamp at the other end near the shack where each line will enter the house on short LMR 400 run 10 feet max?

I know the theory says the best place to put a preamp is at the antenna but with the very low loss on the Heliax coaxial line, is in the
real world there will be any significant degradation in the noise figures who will be really noticeable?

Note: If the relays are introducing too much loss i can feed the antenna directly from them on the 8' run on LMR-400 directly on the female
N type heliax connector.

P.S. One commercial microwave technician is telling me that i will be able to see difference only on labs spectrum/signal generator in
short i will be unable to tell any difference due to the short length of my coaxial line. He told me he's playing with 300 to 600 feets of
lines in his day to day work and 45 feet heliax run are nearly consider as jumper line in his world...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3150. Preamp.

Yahoo group: eu-amsat
Date: 2010-01-24 12:33:50 UTC
From: John Hackett
Topic: 3149 Message: 3150

Luc,
You're absolutely right on all points.

The keyword is 'noticable'.

Theory v practice.

If you have an EXPENSIVE spectrum analyser you *WILL* see a difference ... if you use your ears ... you *WON'T* ... (as I'm quite sure you already know).

It's all down to the *ACTUAL*noise figure and what your ears hear (in analogue).
Digital *MAY* (or may not) be a different matter.

73 John. <la2qaa@...>
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sun, 24 Jan 2010 05:04:21 -0500
Subject: [eu-amsat] Coaxial line question

Yes again a returning question "preamp at the tower or near the shack"

I will have to do soon some maintenance work on my satellite antennas tower. I planned to use 2 heliax 1/78" 45' individual line. Each

line will be terminated by high quality 2psp coaxial microwave switch feeding UHF and VHF antennas. I don't know if i can move my VHF and

UHF preamp at the other end near the shack where each line will enter the house on short LMR 400 run 10 feet max?

I know the theory says the best place to put a preamp is at the antenna but with the very low loss on the Heliax coaxial line, is in the

real world there will be any significant degradation in the noise figures who will be really noticeable?

Note: If the relays are introducing too much loss i can feed the antenna directly from them on the 8' run on LMR-400 directly on the female

N type heliax connector.

P.S. One commercial microwave technician is telling me that i will be able to see difference only on labs spectrum/signal generator in

short i will be unable to tell any difference due to the short length of my coaxial line. He told me he's playing with 300 to 600 feets of

lines in his day to day work and 45 feet heliax run are nearly consider as jumper line in his world...

"_"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3151. Re: Preamp.

Yahoo group: eu-amsat
Date: 2010-01-24 20:11:23 UTC
From: st2nh
Topic: 3149 Message: 3151

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
> Theory v practice.

I remember my 30 meters long coax question about month ago
and my fear .

But here on the list I got your Kind reassurances and your support
thanks Al and John for your Practical experience and thanks to forward
all your knowledge to other.

This is a great Family Group .(with out flame) :-)
.
73'Nader

3152. Group compliment

Yahoo group: eu-amsat
Date: 2010-01-25 12:35:45 UTC
From: John Hackett
Topic: 3149 Message: 3152

Nader,
Thanks for your kind remarks. The group is doing very well and that !!! is thanks to *ALL* it members.

On behalf of LA2QAA and GM1SXX.

73 John. <la2qaa@...>

Homepage: http://www.observations.biz

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sun, 24 Jan 2010 20:11:23 +0000
Subject: [eu-amsat] Re: Preamp.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

> Theory v practice.

I remember my 30 meters long coax question about month ago

and my fear .

But here on the list I got your Kind reassurances and your support

thanks Al and John for your Practical experience and thanks to forward

all your knowledge to other.

This is a great Family Group .(with out flame) :-)

.

73'Nader

3153. Re: Preamp.

Yahoo group: eu-amsat
Date: 2010-01-26 02:46:16 UTC
From: WILLIAMS M
Topic: 3149 Message: 3153

Luc:

I have the article that addresses this subject in case you want to do the math. I can scan it and email to you.

With heliax, I don't think it makes much difference.

I'm running 100 ft. of 9913 here. With this long run and type coax, I think mounting a pre amp at the antenna is better. I do use CW and copy sinals close to the noise floor.

All the best from Indiana.

Mike K9QHO

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
>
> Luc,
> You're absolutely right on all points.
>
> The keyword is 'noticable'.
>
> Theory v practice.
>
> If you have an EXPENSIVE spectrum analyser you *WILL* see a difference ... if you use your ears ... you *WON'T* ... (as I'm quite sure you already know).
>
> It's all down to the *ACTUAL*noise figure and what your ears hear (in analogue).
> Digital *MAY* (or may not) be a different matter.
>
> 73 John. <la2qaa@...>
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
> From: lucleblanc6@...
> Date: Sun, 24 Jan 2010 05:04:21 -0500
> Subject: [eu-amsat] Coaxial line question
>
>
>
>
>
>
>
>
>

>
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>
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>
>
>
>
>
>
> Yes again a returning question "preamp at the tower or near the shack"
>
>
>
> I will have to do soon some maintenance work on my satellite antennas tower. I planned to use 2 heliax 1/78" 45' individual line. Each
>
> line will be terminated by high quality 2psp coaxial microwave switch feeding UHF and VHF antennas. I don't know if i can move my VHF and
>
> UHF preamp at the other end near the shack where each line will enter the house on short LMR 400 run 10 feet max?
>
>
>
> I know the theory says the best place to put a preamp is at the antenna but with the very low loss on the Heliax coaxial line, is in the
>
> real world there will be any significant degradation in the noise figures who will be really noticeable?
>
>
>
> Note: If the relays are introducing too much loss i can feed the antenna directly from them on the 8' run on LMR-400 directly on the female
>
> N type heliax connector.
>
>
>
> P.S. One commercial microwave technician is telling me that i will be able to see

difference only on labs spectrum/signal generator in
>
> short i will be unable to tell any difference due to the short length of my coaxial line. He told me he's playing with 300 to 600 feets of
>
> lines in his day to day work and 45 feet heliax run are nearly consider as jumper line in his world...
>
>
>
> "-"
>
>
>
> Luc Leblanc VE2DWE
>
> Skype VE2DWE
>
> www.qsl.net/ve2dwe
>
> DSTAR urcall VE2DWE
>
> WAC BASIC CW PHONE SATELLITE
>

3154. Re: [eu-amsat] Re: Preamp.

Yahoo group: eu-amsat
Date: 2010-01-26 05:06:29 UTC
From: Luc Leblanc
Topic: 3149 Message: 3154

On 26 Jan 2010 at 2:46, WILLIAMS M wrote:

Date sent: Tue, 26 Jan 2010 02:46:16 +0000
From: WILLIAMS M <k9qho6762@...>
Subject: [eu-amsat] Re: Preamp.
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Luc:
>
> I have the article that addresses this subject in case you want to do the math. I can scan it and email to you.
>
> With heliax, I don't think it makes much difference.
>
> I'm running 100 ft. of 9913 here. With this long run and type coax, I think mounting a pre amp at the antenna is better. I do use CW and copy sinals close to the noise floor.
>
> All the best from Indiana.
>
> Mike K9QHO
>
>
Hi Mike

I will be glad to have a look at it. I try the spreadsheet of Ed KL7UW but i have many figures that i missed the insertion losses (The
Icom AG-35 noise figures is on of them). I will perform the Heliax test first on a dummy load to be sure of the loss of the 45' run. I have
actually about 50' of LMR-400. the heliax will give me .56db and the LMR-400 1.35db of attenuation. If all theses losses added up to the
noise figures before the receiver and keeping the preamp at the antenna it should normally reduce my noise floor but this .79db of
difference will it be detectable i think not.

If i put the preamp near the shack the 1.35db can probably have some effect but on the heliax adding .56db will also not be noticeable.

UHF is my big concern and it's where i will concentrate my works.

Someone wrote:

If you are running a modest length of heliax (and if not, why not?!!!), then any benefits of a preamp will diminish.
Then, it becomes a question of whether all the hassle (extra connectors, insertion loss, blowing transistors, etc) and expense is worth it.

Next time i will test the Yaesu 847 internal preamp with the AG-35 this will tell me first if on the LMR 400 i can see a difference.

Thank's for the article Mike
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3155. Surrey Space Technology in the news.

Yahoo group: eu-amsat
Date: 2010-01-26 08:20:47 UTC
From: Al
Topic: 3155 Message: 3155

Hi group,

With the current dire financial situation globally, it's nice to know there are still success stories. Surrey Space Technology Limited is one of them and the company was featured in today's UK BBC TV news.
You can see more at..
http://news.bbc.co.uk/1/hi/business/8480095.stm

SSTL are a major contractor for the Galileo GPS system, and of course in the past they also built the UoSAT birds. Other projects included some of the DMC (Disaster Monitoring Constellation) imaging satellites.

I've visited SSTL a few times in the past and it's a fascinating place.
73 Al.
GM1SXX

3156. L band QRM?

Yahoo group: eu-amsat
Date: 2010-01-27 04:19:57 UTC
From: Luc Leblanc
Topic: 3156 Message: 3156

Excerpt from Jet Propulsion Laboratory news: NASA Airborne Radar to Study Quake Faults in Haiti, Dominican Republic

PASADENA, Calif. - In response to the disaster in Haiti on Jan. 12, NASA has added a series of science overflights of earthquake faults in
Haiti and the Dominican Republic on the island of Hispaniola to a previously scheduled three-week airborne radar campaign to Central
America.

"CUT"

During its trek to Central America, which will run through mid-February, the repeat-pass L-band wavelength radar, developed by NASA's Jet
Propulsion Laboratory, Pasadena, Calif., will study the structure of tropical forests; monitor volcanic deformation and volcano processes;
and examine Mayan archeology sites. After the Haitian earthquake, NASA managers added additional science objectives that will allow
UAVSAR's unique observational capabilities to study geologic processes in Hispaniola following the earthquake. UAVSAR's ability to provide
rapid access to regions of interest, short repeat flight intervals, high resolution and its variable viewing geometry make it a powerful
tool for studying ongoing Earth processes.

The full version of this story with accompanying images is at:
http://www.jpl.nasa.gov/news/news.cfm?release=2010-031&cid=release_2010-031

I don't know if AO-51 will be QRM'ed by this L band radar but it will be interesting to monitor it if the L band receiver is activated.

There is nothing special about this news but when put in context of the following article it look likes a strange coincidence... Could be
my imagination was too excited as i just return from the cinema 3 hours presentation of Avatar in 3D?

English version
http://www.presstv.ir/detail.aspx?id=116834§ionid=351020104

French Version
http://www.planetenonviolence.org/Haiti-A-L-Origine-Du-Tremblement-De-Terre-Un-Essai-D-Armement-US_a2106.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3157. QSL

Yahoo group: eu-amsat
Date: 2010-01-30 20:43:54 UTC
From: st2nh
Topic: 3157 Message: 3157

The group QSL is High . ;-))

73'Nader

3158. Not QSL but SQL

Yahoo group: eu-amsat
Date: 2010-01-30 21:51:40 UTC
From: st2nh
Topic: 3157 Message: 3158

Not QSL but SQL ;-))

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> The group QSL is High . ;-))
>
> 73'Nader
>

3159. New birds

Yahoo group: eu-amsat
Date: 2010-01-31 10:06:40 UTC
From: yo9gjx
Topic: 3159 Message: 3159

http://www.southgatearc.org/news/january2010/nasa_cubesat_launch.htm

Also from Japan and one probe for Venus planet

http://www.southgatearc.org/news/january2010/unitec_1_video.htm

And sorry but bad news about 70cm band polution

http://www.southgatearc.org/news/january2010/433_868mhz_sports_watch.htm

Wats next? maby kitchen robots on 70cm band

3160. Re: [eu-amsat] New birds

Yahoo group: eu-amsat
Date: 2010-01-31 14:14:03 UTC
From: Thomas Frey
Topic: 3159 Message: 3160

yo9gjx wrote:
> http://www.southgatearc.org/news/january2010/nasa_cubesat_launch.htm
>
> Also from Japan and one probe for Venus planet
>
> http://www.southgatearc.org/news/january2010/unitec_1_video.htm
>

Hello Florian

Thanks for the infos. I have compiled a big list of coming satellites.
The list is in German, but the links refers to the original home pages
and articles, mostly from Southgate ARC. See the 2nd half of the site
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102

> And sorry but bad news about 70cm band polution
>
> http://www.southgatearc.org/news/january2010/433_868mhz_sports_watch.htm
>
> Wats next? maby kitchen robots on 70cm band
>
>
>
>

Yes, why not ? ;-) As we learned the 70cm band is not allocated primary
for us. But its better, this devices sends on 433 than on 435 MHz. I
can receive one on 435.995 MHz. I mean its a weather station.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3161. New birds.

Yahoo group: eu-amsat
Date: 2010-01-31 15:22:33 UTC
From: John Hackett
Topic: 3159 Message: 3161

Hello Group,
I note that today's Amsat News Service bulletin quotes the Japanese KySat that will soon be heading for Venus, as having an uplink on 2Ghz and a downlink on 13.2Ghz.

You can now all run out and buy 60 meter diameter 'Bochum' dish.

Amateur satellite? ... hrmm ... right !!!. I've yet to see an 'amateur' receiver on 13.2Ghz.

Did somebody mention the word 'university' ?? ... (continually, for the last 11 years).

73 John. <la2qaa@...>

3162. Re: New birds ... 'we are not alone'.

Yahoo group: eu-amsat
Date: 2010-01-31 17:47:34 UTC
From: Al
Topic: 3159 Message: 3162

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
> http://www.southgatearc.org/news/january2010/433_868mhz_sports_watch.htm
>
> Wats next? maby kitchen robots on 70cm band
>
Well, the robots may already be here, alongside your car locking system and many of the other 'social conveniences' we pretty much take from granted. 433Mhz is the band of choice for many of these devices with 433.930MHz being a favourite frequency. Many of these devices used the PIC Keeloq 'rolling-code' encryption system for security. My cordless switched electrical mains plugs are on 433.920. It's easily copied on my 70Cms handy. Don't worry folks, they're perfectly legal, just like your car key... on 70Cms!

We share 70Cms with other users, just like 2.4GHz, and we have no right to complain about other users of the band, who unlike us *may* have Primary status, meaning that we must not cause interference to them. It's nothing new. 13Cms is even busier than 70CMs in most urban areas, and we are secondary users there also.

Some interesting links..

http://www.microwavers.org/papers/Exemption-Response.pdf
http://www.ce-mag.com/archive/2000/mayjune/jarvis.html
http://www.beasensors.com/BEAINC/products/pedestrian/Transmitters/tx433.php
http://www.southgatearc.org/news/august2008/short_range_devices_in_433mhz_band.htm

CB on 70Cms?
http://www.southgatearc.org/news/july2008/cb_on_70cms.htm

Then there is the 'Big Daddy' of them all, the military RADARS running *megawatts* on 70CMs.
http://en.wikipedia.org/wiki/Ballistic_Missile_Early_Warning_System
http://en.wikipedia.org/wiki/PAVE_PAWS
http://www.globalsecurity.org/space/library/report/1999/nssrm /initiatives/fyling.htm

'We are not alone'

73 Al.
GM1SXX

3163. FW: Satellite Remote - (portable).

Yahoo group: eu-amsat
Date: 2010-02-01 09:53:51 UTC
From: John Hackett
Topic: 3163 Message: 3163
Attachments: 1 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 010220101030Z.

Satellite Remote - (portable).

Subtitle: How to control your station from afar.

Where on earth is afar, - (you may well ask) ...

'Afar' is a hamlet (not omlet) situated about 200 km south of Tobruk in the Sahara desert in Libya ... (bin there - dunnit).

(kidding! ... though I have! been there - but the hamlet is called Jairabub, not Afar).

The circuit shown will allow you to turn your computer and rigs on from afar, (remotely) using RDM software and your mobile phone. then turn them off again, together with your computer, after completing a QSO.

It can be seen that judicial use of relays and a sequencer circuit will allow you to control
other applications at your home QTH. The sequencer may6 be as simple as an LM324 quad opamp or a series of NE555 timer circuits.

Doppler tracking (in my case InstantTRACK, because I use 22 year old rigs without a CAT interface) and aerial tracking (NOVA) can be controlled remotely (directly) from your desktop by your mobile phone with the RDM software.

Primarily, the circuit as shown, is to allow the reliable on and off switching of the rigs themselves before and after a QSO. There's a myriad of 'WAKE FROM SLEE softtware available on the internet for those not wishing to leave their computer on for days on end.

With a bit of initiative, you can figure out many6 more uses for this simple but effective circuit.

The original idea was inspired by Bill Bowden in 2005 but at that time had nothing to do with satellites. The 'blame' for that resides solely with La2qaa.

73 John. <la2qaa@...>

3164. Space invaders - (pun intentional).

Yahoo group: eu-amsat
Date: 2010-02-01 10:22:32 UTC
From: John Hackett
Topic: 3164 Message: 3164

Space invaders ?? ...

Group,
This link ...

http://www.southgatearc.org/news/july2008/cb_on_70cms.htm

... should be mandatory reading for any would-be radio amateur.

That, plus the fact that my daughter can *TWEET* to the ISS with her mobile phone, not to speak of MSN and YAHOO MESSENGER (with ecellent video) has left amateur radio writhing in the dust.

Just *DON'T* !!! say we were not warned.

Now tick your box and get on with it ...

73 John. <la2qaa@...>

Thanks to GM1SXX for providing the link.

3165. Re: Space invaders - (pun intentional).

Yahoo group: eu-amsat
Date: 2010-02-01 11:07:46 UTC
From: m5aka
Topic: 3164 Message: 3165

Also note these links. A simple mod (cut a link in battery compartment) can convert PMR 446 radios into 4 watt output rigs covering 433.075-435.525 MHz.

Intek DRS-5070 PMR-446 Radio
http://www.southgatearc.org/news/august2009/intek_drs5070_pmr446_radio.htm

Maplins - WT-417 PMR-446 to 70cm
http://www.southgatearc.org/news/january2006/maplins_pmr446.htm

Thames Estuary interference on 433.500 MHz
http://www.southgatearc.org/news/may2009/thames_estuary_interference.htm

73 Trevor M5AKA

3166. Re: Space invaders - (pun intentional).

Yahoo group: eu-amsat
Date: 2010-02-01 11:43:31 UTC
From: m5aka
Topic: 3164 Message: 3166

There has also been interference to the satellite segments from D-STAR repeaters which is covered in editions 52 and 53 of the free IARU-R1 VHF/UHF/uW newsletter.
BTW Edition 53 also contains the forthcoming Vienna conference papers.

See these links:

Edition 53 IARU-R1 VHF/UHF/uW Newsletter
http://www.southgatearc.org/news/february2010/iaru_r1_dstar.htm

D-STAR repeater interference
http://www.southgatearc.org/news/august2009/dstar_repeater_interference.htm

73 Trevor M5AKA

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> Also note these links. A simple mod (cut a link in battery compartment) can convert PMR 446 radios into 4 watt output rigs covering 433.075-435.525 MHz.
>
> Intek DRS-5070 PMR-446 Radio
> http://www.southgatearc.org/news/august2009/intek_drs5070_pmr446_radio.htm
>
> Maplins - WT-417 PMR-446 to 70cm
> http://www.southgatearc.org/news/january2006/maplins_pmr446.htm
>
> Thames Estuary interference on 433.500 MHz
> http://www.southgatearc.org/news/may2009/thames_estuary_interference.htm
>
> 73 Trevor M5AKA
>

3167. Re: New birds

Yahoo group: eu-amsat
Date: 2010-02-01 15:09:12 UTC
From: yo9gjx
Topic: 3159 Message: 3167

Good Thomas Thank you for the list and good luck for meteo reception hi

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> yo9gjx wrote:
> > http://www.southgatearc.org/news/january2010/nasa_cubesat_launch.htm
> >
> > Also from Japan and one probe for Venus planet
> >
> > http://www.southgatearc.org/news/january2010/unitec_1_video.htm
> >
>
> Hello Florian
>
> Thanks for the infos. I have compiled a big list of coming satellites.
> The list is in German, but the links refers to the original home pages
> and articles, mostly from Southgate ARC. See the 2nd half of the site
> http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102
>
>
> > And sorry but bad news about 70cm band polution
> >
> > http://www.southgatearc.org/news/january2010/433_868mhz_sports_watch.htm
> >
> > Wats next? maby kitchen robots on 70cm band
> >
> >
> >
> >
>
> Yes, why not ? ;-) As we learned the 70cm band is not allocated primary
> for us. But its better, this devices sends on 433 than on 435 MHz. I
> can receive one on 435.995 MHz. I mean its a weather station.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3168. Re: Space invaders - (pun intentional).

Yahoo group: eu-amsat
Date: 2010-02-01 15:20:05 UTC
From: Al
Topic: 3164 Message: 3168

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
> Space invaders ?? ...
> Group,
> This link ...
> http://www.southgatearc.org/news/july2008/cb_on_70cms.htm
> ... should be mandatory reading for any would-be radio amateur.
>
> That, plus the fact that my daughter can *TWEET* to the ISS with her mobile phone,
> not to speak of MSN and YAHOO MESSENGER (with ecellent video) has left amateur radio
writhing in the dust.
>
Who needs to bother about CB on 70Cms when we have quite a few MM3's and the odd GMx station on both 70Cms and 2 metres who think they are still on Chicken Band. If you need to be convinced that the 'new' three tier licensing system in the UK is not working, check out this site for yourself. http://csinformer.blogspot.com/ I'm certain that OFCOM know about these going's on, but they have not done anything about it. Welcome to the new style 'amateur radio'.
73 Al.

3169. Excelent old francaise film with radioamateurs

Yahoo group: eu-amsat
Date: 2010-02-01 15:53:18 UTC
From: yo9gjx
Topic: 3169 Message: 3169

http://www.ch73.net/player.php?id=308&table=1&ln=gb

3170. The end of an era.

Yahoo group: eu-amsat
Date: 2010-02-01 16:00:45 UTC
From: John Hackett
Topic: 3164 Message: 3170

Group,
I listened to this recording ... http://csinformer.blogspot.com/

For a lot of people, the Scots accent will be hard to interpret but I can assure you, the on-air profanity and general behaviour is absolutely disgraceful.

How or why this particular station retains an amateur radio licence is beyond my comprehension. Surely the regulating body could do something about this - particularly since they've obviously and repeatedly been made aware of the problem.

All I can think of to say is ... R.I.P. amateur radio. I'd be ashamed !!! to tell anyone listening to that recording that I'm a radio amateur.

The end of an era.

My callsign hasn't been heard on a satellite for well over 6 months now (nor via a VHF repeater or on HF either)

Call me an old Fart, whatever, I don't mind. As I stated in a previous post, when my daughter can 'tweet' to the ISS astronaughts with her mobile phone - it's time to throw in the towel (at least for me).

I have my station set up for fully automated 'remote portable' using a mobile phone. Technology at it's best ... boring ... boring ... boring.

<http://www.observations.biz/Observations_from_Norway/OBSNOGFEB2010/index.htm>

Ohh! for the days of RS-10 ... Da !!!!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Mon, 1 Feb 2010 15:20:05 +0000
Subject: [eu-amsat] Re: Space invaders - (pun intentional).

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

> Space invaders ?? ...

> Group,

> This link ...

> http://www.southgatearc.org/news/july2008/cb_on_70cms.htm

> ... should be mandatory reading for any would-be radio amateur.

>

> That, plus the fact that my daughter can *TWEET* to the ISS with her mobile phone,

> not to speak of MSN and YAHOO MESSENGER (with ecellent video) has left amateur radio writhing in the dust.

>

Who needs to bother about CB on 70Cms when we have quite a few MM3's and the odd GMx station on both 70Cms and 2 metres who think they are still on Chicken Band. If you need to be convinced that the 'new' three tier licensing system in the UK is not working, check out this site for yourself. http://csinformer.blogspot.com/ I'm certain that OFCOM know about these going's on, but they have not done anything about it. Welcome to the new style 'amateur radio'.

73 Al.

3171. Those were the days ...

Yahoo group: eu-amsat
Date: 2010-02-01 16:17:37 UTC
From: John Hackett
Topic: 3169 Message: 3171

Hello Florian,
Nice film clip. Brings back a few memories when radio was 'radio' and
licensed radio amateurs were respected.

I think most amateurs who were operating at that time - (56 years ago) - will agree that
amateur radio has really gone down the tube in the last two decades.

Personally, I don't intend to make a fuss about it, I'll just bow out (semi) gracefully,
but
I will carry on with the EU-Amsat group as long as I'm able.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: yo9gjx@...
Date: Mon, 1 Feb 2010 15:53:18 +0000
Subject: [eu-amsat] Excelent old francaise film with radioamateurs

http://www.ch73.net/player.php?id=308&table=1&ln=gb

3172. Re: The end of an era.

Yahoo group: eu-amsat
Date: 2010-02-01 21:51:40 UTC
From: m5aka
Topic: 3164 Message: 3172

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> Group,
> I listened to this recording ... http://csinformer.blogspot.com/
>
> For a lot of people, the Scots accent will be hard to interpret but I can assure you,
> the on-air profanity and general behaviour is absolutely disgraceful.

Ofcom removed the restrictions on bad language also the playing of music and political/religious discussions in the December 2006 licence revision.

They now regard language that can be heard in the street as being acceptable, see

IARU Questionnaire on enforcement of amateur radio regulations
http://www.southgatearc.org/news/february2008/iaru_enforcement_questionnaire.htm

73 Trevor M5AKA

3173. A cheap way for HEO satellite !!!

Yahoo group: eu-amsat
Date: 2010-02-01 22:53:51 UTC
From: st2nh
Topic: 3173 Message: 3173

http://st2nh-blogger.blogspot.com/2010/02/cheap-way-for-heo-satellite.html

73 Nader

3174. Re: [eu-amsat] Excelent old francaise film with radioamateurs

Yahoo group: eu-amsat
Date: 2010-02-02 01:11:24 UTC
From: Amir Findling K9CHP
Topic: 3169 Message: 3174

Thanks for mentioning this website. I thoroughly enjoyed this movie as I'm fluent in French.

BTW, since bad language has been mentioned in other posts, it is interesting that the captain of the boat uses quite foul language when he can't make contact on his commercial rig, but uses much more appropriate language on the ham set!

==========

73 de K9CHP Amir Findling, Member ARRL, ARRL/ W5YI VE, WAC, WAS, DXCC

www.K9CHP.net <http://www.k9chp.net> Blog: http://k9chp.blogspot.com <http://k9chp.blogspot.com/>

Eagle Valley Search Dogs <http://evdogs.org/>, Senior K9 Handler

K9 Certification Tester, NYS Federation of Search Teams <http://www.nysfedsar.org/>

1st Special Response Group <http://www.1srg.org/> (1SRG)

On 2/1/2010 10:53, yo9gjx wrote:
>
> http://www.ch73.net/player.php?id=308&table=1&ln=gb
> <http://www.ch73.net/player.php?id=308&table=1&ln=gb>
>
>

3175. yaesu g450a connections

Yahoo group: eu-amsat
Date: 2010-02-02 05:32:00 UTC
From: RUBEN SANTAMARIA CORRES
Topic: 3175 Message: 3175

I recently bought the plate ea4tx ars of rotor control someone could tell me what are the correct pins to connect to a yaesu g-450a?
ec1dmy thanks ruben

Enviado desde mi iPhone

3176. Re: The end of an era.

Yahoo group: eu-amsat
Date: 2010-02-02 08:25:49 UTC
From: Al
Topic: 3164 Message: 3176

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:
> > Group,
> > I listened to this recording ... http://csinformer.blogspot.com/
> >
> > For a lot of people, the Scots accent will be hard to interpret but I can assure you,
> > the on-air profanity and general behaviour is absolutely disgraceful.
>
> Ofcom removed the restrictions on bad language also the playing of music and
political/religious discussions in the December 2006 licence revision.
>
> They now regard language that can be heard in the street as being acceptable, see
>
> IARU Questionnaire on enforcement of amateur radio regulations
> http://www.southgatearc.org/news/february2008/iaru_enforcement_questionnaire.htm
>
> 73 Trevor M5AKA

Interesting that Trevor should point readers in this direction, because one particular individual abusing the GB3CS repeater also regularly threatens other users, and doesn't mince his words, and has been captured doing so in some of these recordings. IMHO OFCOM should be taking action against this person. I suspect that OFCOM now simply see amateur radio as a thorn in their side, and not an asset. After all, we don't directly earn them revenue and thats what OFCOM's remit is all about. I was far happier in the past to pay my annual license fee, and get a little bit of representation at a national level.

73 Al.
GM1SXX

3177. RE: [eu-amsat] Re: The end of an era.

Yahoo group: eu-amsat
Date: 2010-02-02 09:00:12 UTC
From: John Hackett
Topic: 3164 Message: 3177

Trevor,
Thanks for the posting.

In my opinion, the standard of operating has dropped DRAMATICALLY since the powers that be decided on no code licenses (regardless of whether one likes the code or not). The 'tick-box' mentality at work.

bææ ... bææ ... bææ ... (the sound of sheep).

While I have the keyboard ... not only am I ashamed to be an amateur these days, I'm also ashamed to be English. A once proud nation is now a 'lackey' of the European Union.

I repeat ... 'my opinion'.

73 John.

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Mon, 1 Feb 2010 21:51:40 +0000
Subject: [eu-amsat] Re: The end of an era.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

> Group,

> I listened to this recording ... http://csinformer.blogspot.com/

>

> For a lot of people, the Scots accent will be hard to interpret but I can assure you,

> the on-air profanity and general behaviour is absolutely disgraceful.

Ofcom removed the restrictions on bad language also the playing of music and political/religious discussions in the December 2006 licence revision.

They now regard language that can be heard in the street as being acceptable, see

IARU Questionnaire on enforcement of amateur radio regulations

http://www.southgatearc.org/news/february2008/iaru_enforcement_questionnaire.htm

73 Trevor M5AKA

3178. Good one!, Nader.

Yahoo group: eu-amsat
Date: 2010-02-02 09:12:24 UTC
From: John Hackett
Topic: 3178 Message: 3178

Good one! Nader,
Nice to see an appropriate bit of humour on the reflector.

Have a good day, chap.

73 John. <la2qaa@amsat.org>

3179. Space Hackers

Yahoo group: eu-amsat
Date: 2010-02-02 15:32:55 UTC
From: yo9gjx
Topic: 3179 Message: 3179

Yes my friends a lot of good stuff. Also for space comunications the famouses Judica brothers. http://www.ch73.net/player.php?id=347&table=1&ln=gb
The subtitle is in dutch so i found a torrent file with english translation
I'll shell put it in files.

3180. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2010-02-02 15:32:27 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 3180

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Space Hackers [The Judica Brothers] XviD3 mp3 avi.torrent
Uploaded by : yo9gjx <yo9gjx@...>
Description : Space hackers - Judica brothers

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Space%20Hackers%20%5BThe%20Judica%20Brothers%5D%20XviD3%20mp3%20avi.torrent

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

3181. Re: The end of an era.

Yahoo group: eu-amsat
Date: 2010-02-02 16:23:05 UTC
From: Al
Topic: 3164 Message: 3181

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Trevor,
> Thanks for the posting.
>
> In my opinion, the standard of operating has dropped DRAMATICALLY since the powers that be decided on no code licenses (regardless of whether one likes the code or not).
> The 'tick-box' mentality at work.
> bææ ... bææ ... bææ ... (the sound of sheep).

Hi group,
Having looked at the files Trevor provided links to, it would seem that the authorities, especially OFCOM in the UK, are simply not interested in pursuing those who abuse others on the air. There is nothing for them to gain from it financially. It also doesn't help our cause when the lawmakers don't appear to understand the radio medium which is international in nature. The IARU don't seem to be overly bothered either.

I do disagree that Morse Code was the main factor for the degradation in standards. After all, in the UK at least, Morse was the *only* difference between and A and B license. We *all* sat the same two exams. That was the only route into amateur radio. There was far less jamming and abuse in Scotland at least, when the actual license was a bigger privilege, and when radio amateurs had some proper representation.

I'd suggest the current 'dumbed-down' approach to amateur radio where Foundation licensees only need to correctly answer 18 'tick-box' questions to gain access to many bands at the 10W level (10W? as if!) is to blame for much of the abuse thats now all so common. Intermediate licensees have 50W and many bands for only a very little more work.
50W? Yeah sure!

There is a gulf in terms of educational expectation between Intermediate and Full licenses. I believe that this needs to be addressed.

The Full (UK) exam now is pretty much the same as the one that both Class A's and B's in the UK sat for *many* years. Ask yourself...Why is the Chicken Band so quiet now? Well, I think we all know the answer to that one :-) In our area, there's only one active CB frequency, where the abusers go when they can't be bothered abusing decent people any more on 2M and 70Cms.

Finally, although this post is OT, I make no apologies for posting it here, on a BB where common-sense and good manners prevail. Thanks group. I can't think of anywhere else where it could be posted to be honest.

73 Al.
GM1SXX

3182. Re: New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2010-02-03 08:18:11 UTC
From: Al
Topic: 66 Message: 3182

--- In eu-amsat@yahoogroups.com, eu-amsat@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the eu-amsat
> group.
>
> File : /Space Hackers [The Judica Brothers] XviD3 mp3 avi.torrent
> Uploaded by : yo9gjx <yo9gjx@...>
> Description : Space hackers - Judica brothers

Re the Cordiglia brothers..... I'm with Sven Grahn in this one.
Don't know who Sven is? Go wash your mouth out:-)

http://www.svengrahn.pp.se/trackind/Torre/TorreB.html

73 Al.
GM1SXX

3183. Re: New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2010-02-03 17:50:38 UTC
From: yo9gjx
Topic: 66 Message: 3183

Thanks Al, very interesting informations.

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
>
>
> --- In eu-amsat@yahoogroups.com, eu-amsat@yahoogroups.com wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the eu-amsat
> > group.
> >
> > File : /Space Hackers [The Judica Brothers] XviD3 mp3 avi.torrent
> > Uploaded by : yo9gjx <yo9gjx@>
> > Description : Space hackers - Judica brothers
>
> Re the Cordiglia brothers..... I'm with Sven Grahn in this one.
> Don't know who Sven is? Go wash your mouth out:-)
>
> http://www.svengrahn.pp.se/trackind/Torre/TorreB.html
>
> 73 Al.
> GM1SXX
>

3184. Zoo in space

Yahoo group: eu-amsat
Date: 2010-02-04 03:16:34 UTC
From: Luc Leblanc
Topic: 3184 Message: 3184

Iran reportedly launched a rat, two turtles, and worms into space on Feb. 2 by a Kavoshgar 3 (Explorer) rocket. Officials said the Simorgh
rocket can carry a satellite weighing 220 pounds (100 kilograms) up to 310 miles (500 kilometers) above the Earth.

Orbital elements for the satellite and rocket upper stage (Which is which not known yet)
Some are reporting hearing something around 465MHZ

2009-004A
1 33506U 09004A 09034.19387999 .00095226 13865-4 25133-3 0 80
2 33506 55.5083 313.4501 0099270 151.1927 209.4657 15.86589494 74

2009-004B
1 33507U 09004B 09034.19673867 .00095923 13300-4 31019-3 0 92
2 33507 55.5529 313.4400 0144903 154.1368 206.6998 15.75803087 65

Don't know when the satellite will reenter just hope it will be this next summer just on time for the summer BBQ a bit less hard on the
stomach than nukes...

P.S. at the speed this rocket start his ride i think the accelaration probably killed some members of the animal menagerie...

Launch video on: http://news.yahoo.com/video/world-15749633/17950832

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3185. OMID and Safir " DECAYED"

Yahoo group: eu-amsat
Date: 2010-02-04 03:48:55 UTC
From: Luc Leblanc
Topic: 3185 Message: 3185

Things are going fast on this site http://www.n2yo.com/browse/?y=2009&m=2

Both appears "decayed"?

(YYYY-MM-DD) Status
OMID 2009-02-02 DECAYED
SAFIR 2 R/B 2009-02-02 DECAYED

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3186. OFCOM in the UK plan to sell off part of the 10Ghz satellite band.

Yahoo group: eu-amsat
Date: 2010-02-04 09:05:10 UTC
From: Al
Topic: 3186 Message: 3186

Hi group.

I discovered some of this material on the RSGB website today.
Nice to know that OFCON (pun intentional!) are fighting in our corner by trying to sell off yet another valuable resource.

To be fair though, their mandate is to maximise the financial return from the radio spectrum, and therefore we cannot even compete.

See..

http://www.rsgb.org/spectrumforum/pdfs/consultations/08_10_30_low_power_licence_exemption.pdf

http://www.rsgb.org/spectrumforum/pdfs/consultations/07_09_17_Joint_Response_to_Ofcom_10_GHz_proposal.pdf

http://www.rsgb.org/spectrumforum/pdfs/consultations/07_02_08_Feb-2007-Joint-10-40GHz-reply.pdf

If you go to the Radio Society of Great Britain's main page at http://www.rsgb.org/ the RSGB are intent on 'selling' their 'spectrum defence fund' to the membership, all fair and good, but the information on changes to satellite frequencies on 10GHz are hidden away on the 'members only' pages. Shocking!

This is the header of the article in the members-only section...

RSGB responds to Ofcom WRC
consultation The RSGB has
responded to Ofcom's
consultation on World
Radiocommunication Conference
by submitting a detailed response

This doesn't appear to be 'big news' at all.

The actual article proper is indexed at..
http://www.rsgb.org/membersonly/gb2rs/leadhead.php

Give it a try, but I'm not sure it will work for non-members.

73 Al.
GM1SXX

3187. OFCON.

Yahoo group: eu-amsat
Date: 2010-02-04 10:22:10 UTC
From: John Hackett
Topic: 3186 Message: 3187

Ofcon? - yet another nail in the coffin of amateur radio.

For those who's first language is not English, Ofcom is the body that is *SUPPOSED* to represent amateur radio in the UK.

'Con' is short for 'confidence trickster' = cheat ... ergo, Ofcon.

Selling off the spectrum while at the same time allowing a drastic dumbing down of the rules *WILL* bring amateur radio down to 'chicken band' level.

Sell your rig - run out and buy a walkie talkie - do a google search for Tony Hancock's 'radio amateur'.

"This is LA8PV ... get off the air ... this is *MY* !!! MAYDAY" ...

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Thu, 4 Feb 2010 09:05:10 +0000
Subject: [eu-amsat] OFCOM in the UK plan to sell off part of the 10Ghz satellite band.

Hi group.

I discovered some of this material on the RSGB website today.

Nice to know that OFCON (pun intentional!) are fighting in our corner by trying to sell off yet another valuable resource.

To be fair though, their mandate is to maximise the financial return from the radio spectrum, and therefore we cannot even compete.

See..

http://www.rsgb.org/spectrumforum/pdfs/consultations/08_10_30_low_power_licence_exemption.pdf

http://www.rsgb.org/spectrumforum/pdfs/consultations/07_09_17_Joint_Response_to_Ofcom_10_GHz_proposal.pdf

http://www.rsgb.org/spectrumforum/pdfs/consultations/07_02_08_Feb-2007-Joint-10-40GHz-reply.pdf

If you go to the Radio Society of Great Britain's main page at http://www.rsgb.org/ the RSGB are intent on 'selling' their 'spectrum defence fund' to the membership, all fair and good, but the information on changes to satellite frequencies on 10GHz are hidden away on the 'members only' pages. Shocking!

This is the header of the article in the members-only section...

RSGB responds to Ofcom WRC

consultation The RSGB has

responded to Ofcom's

consultation on World

Radiocommunication Conference

by submitting a detailed response

This doesn't appear to be 'big news' at all.

The actual article proper is indexed at..

http://www.rsgb.org/membersonly/gb2rs/leadhead.php

Give it a try, but I'm not sure it will work for non-members.

73 Al.

GM1SXX

3188. Re: NASA - Pluto Images

Yahoo group: eu-amsat
Date: 2010-02-05 10:02:31 UTC
From: Luc Leblanc
Topic: 3188 Message: 3188

On 4 Feb 2010 at 17:19, Jeff Yanko wrote:

Date sent: Thu, 04 Feb 2010 17:19:49 -0800
From: Jeff Yanko <wb3jfs@...>
Subject: [amsat-bb]
To: Clint Bradford <clintbradford@...>, AMSAT BB <amsat-bb@...>

> And to think, there are those who knocked Pluto out of planet status to
> dwarf planet status and there are those who are still unhappy with that and
> want to knock it lower, or completely off the list. Great photos, though
> details aren't sharp, I'm sure when New Horizons arrives it will provide
> sharp details and new information.
>
>
> 73,
>
> Jeff WB3JFS

You where probably inspired by this article? "those who are still unhappy with that" probably the same folks who are beleiving Elvis is
still alive.

http://news.nationalgeographic.com/news/2009/03/090311-pluto-planet-illinois.html

"Go, Illinois!" said planetary scientist Alan Stern, principle investigator for NASA's New Horizons mission to Pluto. Scientist are always
better off shutting their mount this was often also noted on AMSAT-BB. Someone says genius is often the first step to craziness...i can
understand the glamour will be a bit less when you send a probe to check a solar system garden dwarf instead of a planet.

There is even a flat earth society where folks are discussing "This theory" on their forums it is in UK "Madness has no boundaries" but for

6$ you can have your own certificate as ridiculous it look likes i will ordered one "Ridicule never kill". Who will be the first Pluto
planet defender? Could be Mr Stern (Any relation with Howard?) can agree about this other Pluto as there is world-wide consensus on this
one:

http://www.whattofix.com/images/PlutoCartoon1.jpg

The Flat earth society
http://www.theflatearthsociety.org/cms/

I don't know it the AMSAT-BB censor in chief will let this one pass...but it is cross posted to eu-amsat too

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3189. Re: [amsat-bb] Photos From ISS via Twitter

Yahoo group: eu-amsat
Date: 2010-02-05 18:10:47 UTC
From: Luc Leblanc
Topic: 3189 Message: 3189

On 5 Feb 2010 at 9:35, Clint Bradford wrote:

Date sent: Fri, 05 Feb 2010 09:35:39 -0800
From: Clint Bradford <clintbradford@...>
Subject: [amsat-bb] Photos From ISS via Twitter
To: AMSAT BB <amsat-bb@...>

> Last month we received the first Twit from space. Now, Astronaut Soichi is sending some spectacular photos via his Twitter account ...
>
> http://tinyurl.com/space-twitter
>
> Clint Bradford
What is the difference between these pictures and those sent by SSTV?

Only serious business instead of amateur stuff... Again amateur radio apparatus is left on the extreme right lane and probably soon in the
ditch if the ISS amateur radio apparatus is not put back in service soon! I asked this question about an hundred times: why they don't put
the ISS cross band repeater on? It can run unattended and there is no risk the batteries get down as those in the camera. It will also send
the QRP'er away off the other sat as the ISS repeater is very very easy to hear and work too.

Great promoting asset collecting floating dust in space.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3190. Re: [amsat-bb] Re: Photos From ISS via Twitter

Yahoo group: eu-amsat
Date: 2010-02-05 23:21:27 UTC
From: Luc Leblanc
Topic: 3190 Message: 3190

On 5 Feb 2010 at 13:54, MM wrote:

Date sent: Fri, 05 Feb 2010 13:54:56 -0800 (PST)
From: MM <ka1rrw@...>
Subject: Re: [amsat-bb] Re: Photos From ISS via Twitter
To: amsat-bb@..., Luc Leblanc <lucleblanc6@...>
Copies to: sarex@..., eu-amsat@yahoogroups.com

>
> Hi Luc:
> Your question was:
> Why they don't put the ISS cross band repeater on?
>
> Answer:

> Marex did propose in 2006 and 2008 ARISS International meetings a Heat sink / Fan upgrade for the TM-D700. ARISS rejected the proposals, stating they did not see any need.
> http://www..marexmg.org/fileshtml/turbofanproject.html
>
> WF1F

>We are long overdue to reorganize the ARISS Hardware and Management structure.
>However due to poor management by ARISS and two (2) defective VOX boxes, the Slow
>Scan TV projects are Stalled and are rarely used.
>http://www.marexmg.org/fileshtml/ArissRebuild.html
>Let's Rebuild ARISS and then Rebuild the Educational Amateur Radio projects on ISS.
>Sincerely wf1f Miles Mann

Hi Miles

I think you are one of the few that i never question too much your actions and moves in the past...That's probably due to the fact you give
and stated your opinions in a very straightforward manner. Am i right if i put aside some of your lines as above and draw a conclusion from
those lines?

I got a much better picture now and i understand why nobody was too much eager to answer me back in the past...

In the mean time i just hope the forecasted snow storm will not hit you too hard on the coast of Maine, this one will missed us here as she
will be mostly east.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3191. Re: [amsat-bb] This amateur has had enough of amsat-bb...

Yahoo group: eu-amsat
Date: 2010-02-06 17:11:19 UTC
From: Luc Leblanc
Topic: 3191 Message: 3191

On 6 Feb 2010 at 8:32, Mark VandeWettering wrote:

Date sent: Sat, 06 Feb 2010 08:32:16 -0800
From: Mark VandeWettering <kf6kyi@...>
Subject: [amsat-bb] This amateur has had enough of amsat-bb...
To: amsat-bb@...
Send reply to: k6hx@...

> > Only serious business instead of amateur stuff... Again amateur radio apparatus is left on the extreme right lane and probably soon in the
> > ditch if the ISS amateur radio apparatus is not put back in service soon! I asked this question about an hundred times: why they don't put
> > the ISS cross band repeater on? It can run unattended and there is no risk the batteries get down as those in the camera. It will also send
> > the QRP'er away off the other sat as the ISS repeater is very very easy to hear and work too.
>
> > Great promoting asset collecting floating dust in space.
>
> Wow, you never know when your threshold will be reached, but this is
> mine. This list never seems to miss an opportunity to complain about
> the state of affairs, but always seems to miss opportunities to
> actually do anything positive. I've reached my personal limit of
> grouchery. Complain all you want from your position in the ditch,
> I'm hitting the road.
>
> 73 Mark K6HX

Hi Mark

I got the answer that i was looking for in years but AMSAT-BB does not let him pass read they censored it...

Another try as your pass and mine not that's definitively a shameful and arbitrary censorships

For the record just look at the answer given by Miles and you will agree with me that nothing very positive came out and is it a problem to
have the situation openly disclose? even if it seems to hurt your thin skin...

>
> Hi Luc:
> Your question was:
> Why they don't put the ISS cross band repeater on?
>
> Answer:

> Marex did propose in 2006 and 2008 ARISS International meetings a Heat sink / Fan upgrade for the TM-D700. ARISS rejected the proposals, stating they did not see any need.
> http://www..marexmg.org/fileshtml/turbofanproject.html
>
> WF1F

>We are long overdue to reorganize the ARISS Hardware and Management structure.
>However due to poor management by ARISS and two (2) defective VOX boxes, the Slow
>Scan TV projects are Stalled and are rarely used.
>http://www.marexmg.org/fileshtml/ArissRebuild.html
>Let's Rebuild ARISS and then Rebuild the Educational Amateur Radio projects on ISS.
>Sincerely wf1f Miles Mann

Hi Miles

I think you are one of the few that i never question too much your actions and moves in the past...That's probably due to the fact you give
and stated your opinions in a very straightforward manner. Am i right if i put aside some of your lines as above and draw a conclusion from
those lines?

I got a much better picture now and i understand why nobody was too much eager to answer me back in the past...

In the mean time i just hope the forecasted snow storm will not hit you too hard on the coast of Maine, this one will missed us here as she
will be mostly east.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3192. RE:This amateur has had enough of amsat-bb censorship

Yahoo group: eu-amsat
Date: 2010-02-06 20:11:34 UTC
From: Luc Leblanc
Topic: 3192 Message: 3192

On 6 Feb 2010 at 11:25, Vince Fiscus, KB7ADL wrote:

Date sent: Sat, 06 Feb 2010 11:25:02 -0700
From: "Vince Fiscus, KB7ADL" <vlfiscus@...>
Subject: [amsat-bb] Re: This amateur has had enough of amsat-bb...
To: amsat-bb@...

> At 08:32 AM 2/6/2010 -0800, k6hx@... wrote:
> > > Only serious business instead of amateur stuff... Again amateur radio
> > apparatus is left on the extreme right lane and probably soon in the
> > > ditch if the ISS amateur radio apparatus is not put back in service
> > soon! I asked this question about an hundred times: why they don't put
> > > the ISS cross band repeater on? It can run unattended and there is no
> > risk the batteries get down as those in the camera. It will also send
> > > the QRP'er away off the other sat as the ISS repeater is very very easy
> > to hear and work too.
> >
> > > Great promoting asset collecting floating dust in space.
> >
> >Wow, you never know when your threshold will be reached, but this is
> >mine. This list never seems to miss an opportunity to complain about
> >the state of affairs, but always seems to miss opportunities to
> >actually do anything positive. I've reached my personal limit of
> >grouchery. Complain all you want from your position in the ditch,
> >I'm hitting the road.
>
>
> Mark, Just ignore him.
>
> I'm sure there isn't dust collecting on the ham equipment we paid good
> money to send up, because the ISS has an extremely good air filtration system.
>
> KB7ADL
>
You are right Vincent: "RE:This amateur has had enough of amsat-bb censorship"

It is hard to give an open public reply as AMSAT-NA anti democratic organization who is begging for money along side the streets is
blocking my messages on AMSAT-BB exactly as it was as in the former USSR communist regime so often criticized in the USA as not respecting
the freedom of speech and the human rights charter.

Double standard group or nation? i cannot tell for sure for one of them but for the other one it is so obvious that i still don't
understand why some are sending money to a so irrespecfull group managed by a lot of poor souls and poor individuals.

Just for the record i asked why the amateur radio equipment was not put in use on ISS and Miles reply due to an over-heating issues when
the cross band repeater was ON even when a fan solution has been proposed this solution was turned down??? If it is what you called not
being positive your'e right but i cannot transform a negative affair in a positive one even if it seems to hurt some offended virgins with
thin skin...

Why blocking me from AMSAT-BB? There no one with enough guts to answer me directly are to too coward or they agree in silence afraid of
retaliation as Miles wf1f experience not too far ago for having tell the plain truth about SAREX? Who in fact is an international
organization funded internationally.

If someone does not step up and start complaining against how AMSAT-NA is refraining and the not respecting the freedom of speech of some
individuals from the supporting international countries should i escalate this to this level?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3193. Re: [amsat-bb] Re: This amateur has had enough of amsat-bb...

Yahoo group: eu-amsat
Date: 2010-02-06 20:41:59 UTC
From: Luc Leblanc
Topic: 3193 Message: 3193

On 6 Feb 2010 at 14:20, Sebastian wrote:

Date sent: Sat, 06 Feb 2010 14:20:08 -0500
From: Sebastian <w4as@...>
Subject: [amsat-bb] Re: This amateur has had enough of amsat-bb...
To: AMSAT BB <AMSAT-BB@...>

> It's ironic that someone complains on the internet, about using the internet, instead of radio!
>
> 73 de W4AS
>
> >>> Only serious business instead of amateur stuff... Again amateur radio
> >> apparatus is left on the extreme right lane and probably soon in the
> >>> ditch if the ISS amateur radio apparatus is not put back in service
> >> soon!
> _____

I always refrain to use radio to discuss administrative and general AMSAT-NA politics over the radio but if all agree i can surely follow
your suggestion. I think as many readers you don't understand my point. What i'm telling when i said "Only serious business instead of
amateur stuff..." is the quality of the up to date technology available aboard ISS make's amateur radio looks like outdated technology when
we compare ARISS contact by amateur radio and ISS digital HI-FI TV broadcast.

The pictures put on twitter cannot be compared to the quality of those sent years ago by SSTV and again i don't say that we should get rid
of amateur radio aboard ISS but what we see is that the potential is not fully put in use and instead of promoting amateur radio from ISS
we only watch commercial stuff (Serious stuff) coming from ISS when more and more ISS school contact are made on NASA Channel where there
is a lot more of visibility than the amateur radio ARISS contacts made on amateur radio.

BTW i'm not complaining about the internet but i'm complaining about how AMSAT-NA is resctricting the freedom of speech on the internet of
those who are on AMSAT-BB under false pretension that they have the right to do anything as they own this AMSAT-BB "PERIOD".

Anyway when it's time to implement some sort of censorships there is always a lot of good explanations given to try to make's the crowds
believe they are doing it for them in a way to pleased them and that is was for their common benefit.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3194. AO-51 L/V nor working

Yahoo group: eu-amsat
Date: 2010-02-06 21:08:06 UTC
From: Luc Leblanc
Topic: 3194 Message: 3194

Since the first Feb 6 pass there is only a carrier on 435.150 and it looks like the L band receiver is not switch on?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3195. 129-134

Yahoo group: eu-amsat
Date: 2010-02-07 11:12:41 UTC
From: Al
Topic: 3195 Message: 3195

Hi group

What am I babbling about? Well, those are the only remaining six flights in the space shuttle (STS) manifest. STS-129 was due for launch today, but got scrubbed by cloudy WX. It may launch tomorrow. STS-134 is the last flight scheduled for STS. It's planned to fly in the late Autumn. Realistically, I expect that to slip into next year.
After that for US manned spaceflight? Zilch. Only Soyuz.

The Shuttle has no replacement, a shocking state of affairs, but the simple fact is that NASA was/is underfunded for it's needs , so to continue to pay to fly the shuttle, development of a new launch system was effectively placed on the back burner, until they came up with ARES1 AKA 'the Stick', a lousy bodge of a thing IMHO which is going nowhere. The recent budget cut by Barack Obama's administration has only made matters even worse for an ailing organisation. From late Autumn, if NASA's manifest goes to plan, and I personally rate that as very unlikely, Soyuz will be the ONLY way to get humans into space.

Eventually, SPACEX *may* provide an alternative, but that's quite a bit away yet. Their DRAGON9 vehicle and pressurised DRAGON capsule *could* be used to put humans in space and deliver them to the ISS, but it's nowhere near ready yet. Spacex is an amazing 'can-do' company but they have only a couple of sucessful launches of their small Falcon1 launcher under their belt. They *DO* have NASA funding for several NASA missions planned on the Dragon9 but the fact remains that DRAGON9 has yet to fly. Dragon 9 with it's cluster of nine smallish rocket motors in it's core stage borrows more from the Soyuz concept than the Shuttle, but it should do the job. One thing is for sure, NASA will be buying their vehicles from the private sector in future, rather than developing their own. When you think about it, this is a sensible way to do business. The 'NASA way' is no longer affordable.
The next few years should be very interesting ones in the space business.

73 Al.
GM1SXX

link... http://www.spacex.com/press.php?page=20091203

3196. Re: [eu-amsat] 129-134

Yahoo group: eu-amsat
Date: 2010-02-07 13:03:39 UTC
From: Thomas Frey
Topic: 3195 Message: 3196

Al wrote:
> Hi group
>
> What am I babbling about? Well, those are the only remaining six flights in the space shuttle (STS) manifest. STS-129 was due for launch today, but got scrubbed by cloudy WX. It may launch tomorrow. STS-134 is the last flight scheduled for STS. It's planned to fly in the late Autumn. Realistically, I expect that to slip into next year.
> After that for US manned spaceflight? Zilch. Only Soyuz.
>
>

Hello Al

STS-130 scrubbed today, see
http://www.nasa.gov/mission_pages/shuttle/main/index.html

Following an excerpt from NASA's Space Calendar:

Feb 08[corr] - STS-130 Launch, Space Shuttle Endeavour, Node 3, Cupola, International
Space Station
Mar 18 - STS-131 Launch, Space Shuttle Atlantis, Multi-Purpose Logistics Module,
International Space Station
Apr 02 - Soyuz TMA-18 Soyuz FG Launch (International Space Station 22S)
Apr 28 - Progress M-05M Soyuz 2-1a Launch (International Space Station 37P)
May 14 - STS-132 Launch, Space Shuttle Atlantis, International Space Station
Jun 14 - Soyuz TMA-19 Soyuz FG Launch (International Space Station 23S)
Jul 29 - STS-134 Launch, Space Shuttle Endeavour, International Space Station
Sep 16 - STS-133 Launch, Space Shuttle Discovery, International Space Station

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3197. Re: [amsat-bb] Re: New Lindy's QRV

Yahoo group: eu-amsat
Date: 2010-02-09 04:23:14 UTC
From: Luc Leblanc
Topic: 3197 Message: 3197

On 8 Feb 2010 at 22:42, Bruce Robertson wrote:

>
> While a preamp represents a considerable amount of money, the good
> news is that the improvement from a preamp applies to any sort of
> antenna you might use or build, at least those to which it is
> convenient to connect a preamp.
>
> 73, Bruce
> VE9QRP
>
I was able to test an AG-35 preamp and the internal FT-847 preamp (UHF) over the past week end only to discover that even with the AG-35
mounted at the antenna there was a 2 digit S meter reading with the AG-35 but regarding the Q signal quality the margin was again in favour
of the AG-35 but the difference is not as noticeable only at LOS and AOS where the FT-847 preamp was hearing only noise the AG-35 return a
Q3 signal without any S meter reading.

The test has been conducted on a 24 elem linear UHF yagi on a 100' line of LMR-400. Could be a 45' of 7/8 heliax keeping the preamp at the
antenna will give me more S meter reading at AOS and LOS but this will have to be tested.

I think the more gain you can achieved with your antenna the less you need a preamp?

Could be old reheated stuff for some but it make's theory a bit less shinning compare to practice or the real world experience.

IMHO there is a time where big formulas figures does not equal overall signal strength received. In our LEO world even if we where able to
hear a faint signal 200 db under the noise floor we will ended up calling CQ forever.

This is illustrated very well with this real story where a man was asking God what the eternity mean for him? He answer for you mortal it
is 1 second. He asked God again how much 1 million $ is representing he answer one cent.

The guy just ask God give me one cent God answer back yes wait a second.

Theory VS practice.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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WAC BASIC CW PHONE SATELLITE

3198. Preamps.

Yahoo group: eu-amsat
Date: 2010-02-09 08:51:44 UTC
From: John Hackett
Topic: 3197 Message: 3198

Luc said ...

>I think the more gain you can achieved with
>your antenna the less you need a preamp?

>Could be old reheated stuff for some but it
>make's theory a bit less shinning compare
>to practice or the real world experience.

Correct !! Luc - and I'm absolutely certain that the other half of the act (GM1SXX) will concur too.

AS Al, a canny Scot, says ... 'Aluminium is cheap'.

The 'trick' is knowing *when' and *where* to use a preamp.

73 John. <la2qaa@...>

3199. Re: [amsat-bb] FW: ANS-045 AMSAT Weekly Bulletins

Yahoo group: eu-amsat
Date: 2010-02-15 03:12:02 UTC
From: Luc Leblanc
Topic: 3199 Message: 3199

On 14 Feb 2010 at 10:47, Dee wrote:

Date sent: Sun, 14 Feb 2010 10:47:05 -0500
From: Dee <morsesat@...>

>
> AMSAT NEWS SERVICE
> ANS-045

>ANS is a free, weekly, news and information service of AMSAT North America,
>The Radio Amateur Satellite Corporation. ANS reports on the activities of a
>worldwide group of Amateur Radio operators who share an active interest in
>designing, building, launching and communicating through analog and digital
>Amateur Radio satellites.

"ANS is a free, weekly, news and information service of AMSAT North America,
The Radio Amateur Satellite Corporation"

Is this "FREE" mean that i will have to pay soon for it or it is a liberty of speech
liberty respecting group?

Could be N1JEZ MICHAEL E SEGUIN who's living in Burlington Vt not too far away fron grid
FN36KA can give us some enlightening answers?

"ANS reports on the activities of a worldwide group of Amateur Radio operators" Is this
mean AMSAT-NA is representing or acting as it was
representing?

The activities of a worldwide group of Amateur Radio operators"... Is the "AMSAT-NA BoD
Adopts Acceptable Use Policy For AMSAT Mail Lists
new politics is validating their censorship process when Dee is writing: " IS ALSO
REPORTING THE ACTIVITIES OF A WORLDWIDE GROUP OF AMATEUR
RADIO OPERATORS" It is as per the AMSAT-NA POITICS or as per the United State of America
constitution?

If AMSAT-NA is promoting " THE ACTIVITIES OF A WORLDWIDE GROUP OF AMATEUR RADIO OPERATORS"
It is probably also endorse by Alan Kung, BA1DU
Project Manager (www.camsat.cn) as it seems to let the New Chinease amateur radio satellite
group taken upon by AMSAT-NA as their fiirst
primary source of international media reporting source.. I'm not too convince the Chinease
government authorities will be very pleased with
this or could be their struggle and fight against GOOGLE presence in China is bottom line
inspired by the "AMSAT-NA BoD Adopts Acceptable
Use Policy For AMSAT Mail List"...read a lot of BS.

Curious world where the US debt is mostly is held by China... I will not feel too much well
when my mortgage creditor is in China and when

i'm telling them they are not respecting the freedom of speech of their own people... i'm feeling a lot less well if China can ask the US
for a Chinease bank salvage plan...? I'm asking myself could the AMSAT-NA BOD greath wisdom can give us the solution!
Are we in a fony balloney situation here? could be we can rely on CNN situation room to have an objective point of view...?

I know it is OT but wow can a free human who is aslo an amateur radio satellite operator can react when he see the "AMSAT-NA BoD Adopts
Acceptable Use Policy For AMSAT Mail Lists"? He's is a "sheep" a "slave" or a free man? or _____ add your own words here.

P.S. Gunther still never reply to my question ask on my web page: www.qsl.net/ve2dwe
and those who think i'm against my US friends will be happy to know that i will have questions soon for some of our ARISS and RAC AMSAT-NA
and ARISS Canadian representative! and BTW if only 50% shared my views it take's only one more to elect a new president... I still feel
free...

As one of my US reader wrote " in any supposed to be empire there is also some who don't share the views of the so called empire regulated
or not by the military"

End of the P.S. and Happy Valentine day to all of our dedicated womens especially to Joanne Maenpa K9JKM and Rosalie White K1STO and Martha
Saragovitch and Emily E Clarke N1DID

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3200. Youtube Video

Yahoo group: eu-amsat
Date: 2010-02-15 13:53:18 UTC
From: eswart1959
Topic: 3199 Message: 3200

I have posted some interesting videos on youtube.
Search zs6y
73's
Etienne

3201. Yesss it's works!! Pacsat without hardware TNC

Yahoo group: eu-amsat
Date: 2010-02-15 21:09:18 UTC
From: st2nh
Topic: 3201 Message: 3201

Yesss it's works!!
I've just worked HO-60 with Software
And YESSS No hardware TNC used !!

WISP AND MIXW did all the Action via virutal VSPE connector and soundcard.

For more info check up this link
http://st2nh-blogger.blogspot.com/2010/02/pacsat-with-out-hardware-tnc.html

http://st2nh-blogger.blogspot.com/2010/02/wisp-keying-mixw-direct-via-virtual.html

Thanks for Mr.Allan ZS1LS for Help and information and for his software
messages via HO-68 BBS I received today by software tooo.

Thanks to Mr.Mineo Wakita - JE9PEL
For the new page to his wounderful WISP site.
http://www.ne.jp/asahi/hamradio/je9pel/wispvspe.htm

And for Sure a big Thanks for my friends;

Pete -WB2OQQ
Mike -Dk3WN
Alan -WA4SCA
For advice help and email
73's Nader

3202. If you could CAT only one radio, which would it be: uplink or downlink?

Yahoo group: eu-amsat
Date: 2010-02-20 22:13:20 UTC
From: g3wie
Topic: 3202 Message: 3202

Hello all

I'm moving slowly but steadily to having a linear sat station. I have two radios I will use via transverters for V and U - an Elecraft K2 and a Yaesu FT-747. After some tests, it looks like the 747 CAT is very likely to be defective (I will post separately in case anyone has any ideas), so I'm going to end up with one radio which I have to tune by hand. So my question is which radio should I control? I have read the "one true rule" and have some ideas of the potential problems.

My current feeling would be to control the uplink, regardless of U or V. This on the basis that my transmitted signal should stay at the same frequency as far as the satellite is concerned so I shouldn't walk over anyone else's qso. What advice do you have? (I would add I haven't made a satellite qso yet so my suggestion is - ahem - a bit theoretical)

Of course, Murphy has arranged things so that I have wired the station, and written the sequencer software, assuming the 747 is always the uplink. I've also fitted a SDR to the IF of the (downlink) K2 so I can see what's going on +/- 20KHz around my frequency, and fitting that's going to be a lot harder with the 747 which has a first IF of 47MHz according to the manual

But then no-one said this was going to be easy...

Chris g3wie

3203. Problems with FT-747 CAT

Yahoo group: eu-amsat
Date: 2010-02-20 22:23:25 UTC
From: g3wie
Topic: 3203 Message: 3203

A long shot, but has anyone had experience with the CAT on this rig (or perhaps with similar Yaesu rigs)?

Rather belatedly, I thought I'd check that the CAT on my two rigs (Elecraft K2 and Yaesu FT-747) worked ok. The K2 is fine, but the 747 does not want to play. If I send it a command, an icon that says CAT flashes on the display for a second or two, but the command isn't executed. If I request status, there is no activity on the serial output from the 747, it stays solidly at +5 volts on my oscilloscope.

I looked in vain in the service manual hoping to find a factory reset function to try. There's not much information on the web beyond some mods and faults (CAT isn't one of them). No-one in the FT747 yahoo group has any ideas. If I can't fix it, I'm down to one CAT-cpntrolled radio - see my other post

Chris g3wie

3204. Re: [eu-amsat] If you could CAT only one radio, which would it be: uplink or downlink?

Yahoo group: eu-amsat
Date: 2010-02-21 12:58:14 UTC
From: Thomas Frey
Topic: 3202 Message: 3204

g3wie schrieb:
> Hello all
>

Hello Chris

> I'm moving slowly but steadily to having a linear sat station. I have two radios I will use via transverters for V and U - an Elecraft K2 and a Yaesu FT-747. After some tests, it looks like the 747 CAT is very likely to be defective (I will post separately in case anyone has any ideas), so I'm going to end up with one radio which I have to tune by hand. So my question is which radio should I control? I have read the "one true rule" and have some ideas of the potential problems.
>
> My current feeling would be to control the uplink, regardless of U or V. This on the basis that my transmitted signal should stay at the same frequency as far as the satellite is concerned so I shouldn't walk over anyone else's qso. What advice do you have? (I would add I haven't made a satellite qso yet so my suggestion is - ahem - a bit theoretical)
>

This is also my operational advice and I agree with you. All OPs who are
using the
"one true rule" tunes down and up again in the passband. This rule does
not work.
Longer QSO's I had on a linear transponder were without this rule, just
with tuning
the uplink only. Linear transponders are not easy to operate as
FM-repeaters, but
it could be easy without such "rules".

> Of course, Murphy has arranged things so that I have wired the station, and written the sequencer software, assuming the 747 is always the uplink. I've also fitted a SDR to the IF of the (downlink) K2 so I can see what's going on +/- 20KHz around my frequency, and fitting that's going to be a lot harder with the 747 which has a first IF of 47MHz according to the manual
>
> But then no-one said this was going to be easy...
>
> Chris g3wie
>
>

Super Chris, you are a "DO'er" and not just an asker: "What is the
best?... "
Let us informed.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3205. Re: If you could CAT only one radio, which would it be: uplink or downlink?

Yahoo group: eu-amsat
Date: 2010-02-21 20:42:09 UTC
From: g3wie
Topic: 3202 Message: 3205

Thanks Thomas,

>
> This is also my operational advice and I agree with you. All OPs >who are using the "one true rule" tunes down and up again in the
> passband. This rule does not work.
> Longer QSO's I had on a linear transponder were without this rule,
> just with tuning the uplink only. Linear transponders are not easy
> to operate as FM-repeaters, but it could be easy without such
> "rules".

I am encouraged by your practical advice. I will start to pull the wiring apart. I shall have to make it so that either rig can do anything or I will miss something else

>
> Super Chris, you are a "DO'er" and not just an asker: "What is the
> best?... "

Well yes I am, but there is the danger that I spend all the time "DO'ing" the building and never get on the air. That is what happened with AO-40. I was just starting to test my 2.4GHz rx when it stopped working.

73 Chris

3206. Fixed Re: Problems with FT-747 CAT

Yahoo group: eu-amsat
Date: 2010-02-24 20:18:26 UTC
From: g3wie
Topic: 3203 Message: 3206

I finally got to the bottom of the problem and the rig now accepts commands and returns status with MixW running in windows.

There is a problem with the hardware in this rig. The CAT serial output (SO) from the CPU goes through an emitter follower BUT it has NO load resistor from emitter to ground. If your TTL-RS232 adapter doesn't have such a resistor, or present a similar dc load on this signal line, then the serial output from the 747 will stay at +5volts as there is nothing to pull the signal down. I fitted a 5K6 resistor from SO to ground, and now I see signals on the SO line of the CAT connector. MixW correctly reported the dial frequency as I changed the frequency on the 747.

You can fit the resistor outside the rig if you want, just connect it between the SO (pin 2 of the DIN connector) and Ground (pin 1 of the DIN connector) in parallel with the wiring that runs to your adapter

Now I just have to get the linux software working....

Chris g3wie

3207. Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 12:31:25 UTC
From: John Hackett
Topic: 3207 Message: 3207

WOW!,
At a mere $30,000 per cube we ought to be able to afford at least few dozen.

Could we perhaps tap Richard Branson for a quick loan?.

73 John. la2qaa@...
.....

Date: Sat, 27 Feb 2010 09:45:22 +0000
From: m5aka@...
To: amsat-bb@...
Subject: [amsat-bb] NASA - 2011/2012 CubeSat Launch Opportunities
See

<http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=139845>

73 Trevor M5AKA

3208. Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 14:32:31 UTC
From: st2nh
Topic: 3207 Message: 3208

HI John

For dozen cube satelltes that is equal to $360,000 ! Good sum for HEO !!.

;-)

Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> WOW!,
> At a mere $30,000 per cube we ought to be able to afford at least few dozen.
>
> Could we perhaps tap Richard Branson for a quick loan?.
>
> 73 John. la2qaa@...
> .....
>
> Date: Sat, 27 Feb 2010 09:45:22 +0000
> From: m5aka@...
> To: amsat-bb@...
> Subject: [amsat-bb] NASA - 2011/2012 CubeSat Launch Opportunities
> See
>
> <http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=139845>
>
> 73 Trevor M5AKA
>

3209. Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 15:37:11 UTC
From: Al
Topic: 3207 Message: 3209

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
> HI John
> For dozen cube satelltes that is equal to $360,000 ! Good sum for HEO !!.
>
> ;-)
>
> Nader

Hi Nader and group,

I hate to be the one to throw a spanner in the works, but $360,000 is pitifully short of the mark for the cost of a launch to HEO. Time to 'get real'.
This is why I think that a major shift in thinking is required. Molniyas are just not on the cards any more.

Perhaps David Bowman's MEO concept needs to taken off the shelf, dusted down, and examined in more detail. A few, perhaps three, (relatively) low cost (and simple... sorry satellite builders!) CUBESATs could do surprisingly useful things for the satellite community, even for the DX'ers, and kick-start interest again in what AMSAT can do for the users. I'm thinking 8 inch cubes for decent power generation. I urge you to do the sums yourself and see what is possible. Don't leave everything to others.

Although some see securing a launch as a stumbling block, or a means to get from LEO to MEO as difficult, the Russians already DO launch from Plesetsk into VERY useful near-polar orbits of 1000Kms and higher. That may be one way to get to a useful orbit, but one thing is certain.... the CUBESAT format utterly is useless for MEO. You simply need more electrical power for a linear transponder than the measly couple of watts a CUBESAT could supply.

Those members who are old enough to remember the fun that could be had with the old RS birds will know where I'm coming from.

Put some appropriate numbers into your computer tracking program and *then* tell me it doesn't make sense.

For sure, this type of project would piss off the builders mightily because it's not 'exciting' enough, but should that really be a consideration? I don't think so. It's what the users want that *should* matter.

73 Al.
GM1SXX

References. http://g0mrf.com/MEOSAT.htm

3210. Re: [eu-amsat] Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 16:40:29 UTC
From: Thomas Frey
Topic: 3207 Message: 3210

Al schrieb:
>
> Those members who are old enough to remember the fun that could be had with the old RS birds will know where I'm coming from.
>
>

Dear Al

Then you can also remembering for AO-10 and AO-13 and the fun we had
with long and stress less DX-QSO's.

If I would have any doubts about the progress of P3E and its launch,
I would be retired from AMSAT-DL. Lets look forward for the results
of the DLR/AMSAT-DL project (see my last report).

--

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3211. RE: [eu-amsat] Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 18:34:11 UTC
From: Al copland
Topic: 3207 Message: 3211

> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Sat, 27 Feb 2010 17:40:29 +0100
> Subject: Re: [eu-amsat] Re: Grab it, quick!.
>
> Al schrieb:
> >
> > Those members who are old enough to remember the fun that could be had with the old RS birds will know where I'm coming from.

> Dear Al
>
> Then you can also remembering for AO-10 and AO-13 and the fun we had
> with long and stress less DX-QSO's.
>
> If I would have any doubts about the progress of P3E and its launch,
> I would be retired from AMSAT-DL. Lets look forward for the results
> of the DLR/AMSAT-DL project (see my last report).
>

Fine Thomas, all understood, but the situation for AMSAT has changed dramatically since Arianespace started charging commercial rates for amateur radio launches, just like every other launch agency I know of.

I personally considered the Molniyas to be ultra-boring for the very reasons you seem to have liked them. We don't all like the same things.

Some people like being busy, rather than having no real operating challenge. I'm one of them. I welcome the 'stress' as you call it. Stressless is boring. Your mileage I'm sure will vary. The Molniya's offered somewhat more of a technical challenge, (only somewhat), but nothing much in the way of an operating challenge. In fact operating them was err well... boring! Nothing much to do. My personal preference for LEO's apart ... and this forum is about neither of us... but instead ALL of us, the fact remains that launch costs are driving many things well beyond the reach of AMSAT funding, and it's simply *not* the case that everyone wants Molniyas. Even if we did, can we afford them? ... or even one of them? CUBESATS really are completely useless as a platform for a linear transponder, so other opportunities need to be sought, before the Universities declare the prime satellite sub-bands to be out of bounds to 'real' amateur radio satellites... ones with transponders on board.
That worries me far more than getting P3E into orbit.
MEO could be 'it'.

73 Al.
GM1SXX

Send us your Hotmail stories and be featured in our newsletter
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3212. Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 19:18:42 UTC
From: st2nh
Topic: 3207 Message: 3212

Hi gentelmen

John stats FEW dozen ,I,ve just calaculated one dozen !so
FEW x $360,000 = Dream

73's Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> WOW!,
> At a mere $30,000 per cube we ought to be able to afford at least few dozen.
>
> Could we perhaps tap Richard Branson for a quick loan?.
>
> 73 John. la2qaa@...
> .....
>
> Date: Sat, 27 Feb 2010 09:45:22 +0000
> From: m5aka@...
> To: amsat-bb@...
> Subject: [amsat-bb] NASA - 2011/2012 CubeSat Launch Opportunities
> See
>
> <http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=139845>
>
> 73 Trevor M5AKA
>

3213. Re: [eu-amsat] Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 19:35:37 UTC
From: Thomas Frey
Topic: 3207 Message: 3213

Al copland schrieb:
>
>
> > To: eu-amsat@yahoogroups.com
> > From: th.frey@...
> > Date: Sat, 27 Feb 2010 17:40:29 +0100
> > Subject: Re: [eu-amsat] Re: Grab it, quick!.
> >
> > Al schrieb:
> > >
> > > Those members who are old enough to remember the fun that could be
> had with the old RS birds will know where I'm coming from.
>
> > Dear Al
> >
> > Then you can also remembering for AO-10 and AO-13 and the fun we had
> > with long and stress less DX-QSO's.
> >
> > If I would have any doubts about the progress of P3E and its launch,
> > I would be retired from AMSAT-DL. Lets look forward for the results
> > of the DLR/AMSAT-DL project (see my last report).
> >
>
> Fine Thomas, all understood, but the situation for AMSAT has changed
> dramatically since Arianespace started charging commercial rates for
> amateur radio launches, just like every other launch agency I know of.

AMSAT-DL is fully aware of this fact. We will "box" P3E into orbit. We have
invested too much time, sweat and money into this project only to get
surplus.
I'm not naive, I have an optimism for this project. But if we get surplus
(no HEO), ok ... a la bonheur. Its not a Malheur. ;-) But I would be
disappointed.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3214. Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-27 19:57:02 UTC
From: st2nh
Topic: 3207 Message: 3214

HI

I expect Camsat will surprise us soon!

73'Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Al copland schrieb:
> >
> >
> > > To: eu-amsat@yahoogroups.com
> > > From: th.frey@...
> > > Date: Sat, 27 Feb 2010 17:40:29 +0100
> > > Subject: Re: [eu-amsat] Re: Grab it, quick!.
> > >
> > > Al schrieb:
> > > >
> > > > Those members who are old enough to remember the fun that could be
> > had with the old RS birds will know where I'm coming from.
> >
> > > Dear Al
> > >
> > > Then you can also remembering for AO-10 and AO-13 and the fun we had
> > > with long and stress less DX-QSO's.
> > >
> > > If I would have any doubts about the progress of P3E and its launch,
> > > I would be retired from AMSAT-DL. Lets look forward for the results
> > > of the DLR/AMSAT-DL project (see my last report).
> > >
> >
> > Fine Thomas, all understood, but the situation for AMSAT has changed
> > dramatically since Arianespace started charging commercial rates for
> > amateur radio launches, just like every other launch agency I know of.
>
> AMSAT-DL is fully aware of this fact. We will "box" P3E into orbit. We have
> invested too much time, sweat and money into this project only to get
> surplus.
> I'm not naive, I have an optimism for this project. But if we get surplus
> (no HEO), ok ... a la bonheur. Its not a Malheur. ;-) But I would be
> disappointed.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA

> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3215. RE: [eu-amsat] Re: Grab it, quick!.

Yahoo group: eu-amsat
Date: 2010-02-28 00:42:28 UTC
From: John Hackett
Topic: 3207 Message: 3215

Group,
Just to make it clear ... my comments regarding a dozen cubesats at
$30,000 a pop was of course a satirical jibe at the ridiculous! cost of launching
yet another 'me too' receive only junquesat.

That particular 'price' was quoted by NASA, soliciting 'educational' projects and their
$30,000 was considered 'cheap' ... (but not by me).

Like GM1SXX has stated time and time again, the days of the 'El Cheapo' launch
opportunities are well and truly over.

Furthermore ...

Give it another two years or so and people WILL begin to realise that GM4IHJ was
right when he warned about the University 'me too' sats taking over the amateur
satellite frequencies.

Oh by the way - don't forget Thursaday night is college night - now on the linear
satellites too - (source: The Amsat News Service) - to begin with, the first Thursday
of every month.

Thank goodness for HO-68, digital, linear and FM. Now that's !!! what we need more of.

Personally, I agree with GM1SXX - I find it a lot more 'challenging' and rewarding to
operate CW on a linear LEO satellite using manual doppler tuning ... than it was to work
AO-13 half asleep with a fully automated station ... I did both, for several years, but
much preferred RS-10 with it's CW ROBOT ... testing my skill was the challenge.

Like Al says, we're all different - but this forum is for EVERYBODY.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Sat, 27 Feb 2010 19:18:42 +0000
Subject: [eu-amsat] Re: Grab it, quick!.

Hi gentelmen

John stats FEW dozen ,I,ve just calaculated one dozen !so

FEW x $360,000 = Dream

73's Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> WOW!,

> At a mere $30,000 per cube we ought to be able to afford at least few dozen.

>

> Could we perhaps tap Richard Branson for a quick loan?.

>

> 73 John. la2qaa@...

> .....

>

> Date: Sat, 27 Feb 2010 09:45:22 +0000

> From: m5aka@...

> To: amsat-bb@...

> Subject: [amsat-bb] NASA - 2011/2012 CubeSat Launch Opportunities

> See

>

> <http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=139845>

>

> 73 Trevor M5AKA

>

3216. Wisp Keying Multipsk - Another go for Pacsat withsoftware.

Yahoo group: eu-amsat
Date: 2010-02-28 01:54:15 UTC
From: st2nh
Topic: 3216 Message: 3216

Hi All

Another go for Pacsat with software.
This time Wisp with Multipsk ver 4.16

Wisp Keying Multipsk via VSPE virtual connector port .
So far TX line was testing.

Wisp-->Multipsk-->soundcard

Setup
Create a Connector virtual com using VSPE software
Wisp -->com 1
Multipsk serial port for kiss --> com 1
On Multipsk TX/RX screen choose-->Packet APRS
On Multipsk TX/R screen click kiss icon.
Run a pass!
Click fill.
MSPE will send a packet to Multipsk TX/RX screen
and through the soundcard.

Again I'm waiting for a bird .

For more info and Movie see
http://st2nh-blogger.blogspot.com/2010/02/wisp-keying-multipsk.html

For my previous Wisp MixW experiments see.
http://st2nh-blogger.blogspot.com/2010/02/pacsat-with-out-hardware-tnc.html

http://st2nh-blogger.blogspot.com/2010/02/wisp-keying-mixw-direct-via-virtual.html

73's Nader

3217. help rotors G400-RC and KR500,

Yahoo group: eu-amsat
Date: 2010-02-28 14:48:57 UTC
From: Roberto
Topic: 3217 Message: 3217

hello, is built the LVB track but my rotors are G400-RC and KR500, wanted to know if the are just modified.
On G400-RC2 schematic resistor R6 wire 7 be connect where ? link:
http://www.hallosat.de/german/hasi-usb/Anschaltungen/KR-400RC.htm
73 de iw5bsf Roberto

3218. HO68 No Passes for South Africa

Yahoo group: eu-amsat
Date: 2010-02-28 18:01:57 UTC
From: Etienne Swart
Topic: 3218 Message: 3218

We here in Southern Africa have been forgotten on the HO68 Transponder planing.
We get 1 10 Minute pass If we are lucky.
Maybe one day our wish to have a early evening or morning pass will be met.
Enjoy working HO68, while we sit here without HOPE.
73's

Etienne Swart
ZS6Y

3219. Re: [eu-amsat] help rotors G400-RC and KR500,

Yahoo group: eu-amsat
Date: 2010-02-28 19:08:19 UTC
From: Thomas Frey
Topic: 3217 Message: 3219

Roberto schrieb:
> hello, is built the LVB track but my rotors are G400-RC and KR500, wanted to know if the are just modified.
> On G400-RC2 schematic resistor R6 wire 7 be connect where ? link:
> http://www.hallosat.de/german/hasi-usb/Anschaltungen/KR-400RC.htm
> 73 de iw5bsf Roberto
>
>
>

Hello Roberto

Wire 7 goes to a 8pol DIN connector to the HaSI-interface. This interface has nothing to do with the LVB Tracker.

--

Mit freundlichen Gr?ssen, Ciao 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3220. Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 13:32:16 UTC
From: Trevor .
Topic: 3220 Message: 3220

See IARU Amateur Satellite Frequency Coordination pages at

http://www.amsat.org.uk/iaru/formal_detail.asp?serial=168

73 Trevor M5AKA

3221. Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 13:53:47 UTC
From: Trevor .
Topic: 3220 Message: 3221

BTW you can watch the presentation on Medium Earth Orbits that
David Bowman G0MRF gave to the 2009 AMSAT-UK Colloquium by
selecting "2009 AMSAT M.E.O" in the video Archive at

http://www.batc.tv/

or download the MEO video at
http://www.batc.tv/vod/AMSAT-UK_MEO.flv

73 Trevor M5AKA

--- On Wed, 3/3/10, Trevor . <m5aka@...> wrote:

> From: Trevor . <m5aka@yahoo.co.uk>
> Subject: Raising the Apogee 450km to 1500km
> To: "AMSAT-EU Group" <eu-amsat@yahoogroups.com>
> Date: Wednesday, 3 March, 2010, 13:32
> See IARU Amateur Satellite Frequency
> Coordination pages at
>
> http://www.amsat.org.uk/iaru/formal_detail.asp?serial=168
>
>
> 73 Trevor M5AKA

3222. Re: [eu-amsat] Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 14:04:03 UTC
From: Thomas Frey
Topic: 3220 Message: 3222

Trevor . schrieb:
> See IARU Amateur Satellite Frequency Coordination pages at
>
> http://www.amsat.org.uk/iaru/formal_detail.asp?serial=168
>
> 73 Trevor M5AKA
>
>
>

Hello Trevor and group

I saw it. This is a commercial CubeSat, after QuakeSat the second.
Its a scandal that commercial firms also want to save money for their
satellite-projects, besides the universities. Its not an intruder,
they got an experimental license from FCC. This is apprehensive.

Anyway, hopefully this cube will send on 2.4 GHz in the S-Band, so
we have an additional S-beacon in orbit.

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3223. RE: [eu-amsat] Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 14:53:31 UTC
From: Al copland
Topic: 3220 Message: 3223

Re the ongoing thread...
>
> I saw it. This is a commercial CubeSat, after QuakeSat the second.
> Its a scandal that commercial firms also want to save money for their
> satellite-projects, besides the universities. Its not an intruder,
> they got an experimental license from FCC. This is apprehensive.
>

Hi Group.

Interesting that so few people in amateur radio seem to care that commercial (and 'educational') satellites are being given amateur radio band allocations by our radio union.

It's nothing new of course, but remarkably few radio amateurs appear to care, so the situation can only deteriorate. Strange that the IARU don't see these non-amateur birds for what they are, commercial programs, and are happy to allocate them amateur frequencies, generally with AMSAT giving them a further 'seal of approval' with an OSCAR number. It's like cutting our own throats really IMO.

I could understand the situation being acceptable if it was the ITU allocating frequencies, but I don't understand why the IARU, "The International *Amateur Radio* Union", are effectively signing off amateur radio bandwidth to commercial clients with a blessing via the co-ordination process. Thats a scandal IMO. Don't be too surprised and shocked then if AMSAT are frozen out of these allocations in future by commercial users.

The Federal Communications Commission are a US based commercially oriented government based organisation, not an amateur one. Rather like OFCON... oops sorry folks... I meant OFCOM, their analogue in the UK. They are both about earning money for their respective governments by selling off spectrum space. Thats worth remembering. They are not fighting for our cause. The IARU don't appear to be fighting in our corner either IMO.

73 Al.
GM1SXX

Do you have a story that started on Hotmail? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3224. Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 15:02:24 UTC
From: m5aka
Topic: 3220 Message: 3224

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Anyway, hopefully this cube will send on 2.4 GHz in the S-Band, so
> we have an additional S-beacon in orbit.

If it works it will provide a way for us to get satellites with a 1500km+ apogee in just a 2U CubeSat.

With a 2U CubeSat you should have just enough solar power to support a 1 watt linear transponder. The launch/integration costs could be as low as $60,000 on say future NASA launches. That kind of figure is affordable by Amateur Radio groups.

Elliptical orbits like this also have the advantage that they burn up after a few years (I think about 27 years for a 750km perigee sat ?) thus solving the orbital debris problem.

73 Trevor M5AKA

3225. RE: [eu-amsat] Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 16:24:41 UTC
From: Al copland
Topic: 3220 Message: 3225

Hi group,

Trevor says...

> With a 2U CubeSat you should have just enough solar power to support a 1 watt linear transponder. The launch/integration costs could be as low as $60,000 on say future NASA launches. That kind of figure is affordable by Amateur Radio groups.

Has anyone actually done the sums to calculate how much power is actually needed to power the transponder plus the other systems? The RF conversion efficiency of most one watt class linear transponders at VHF & UHF is poor and is probably impossible in a double CUBEsat format. The S-Band downlink will eat power. S band transmitters are notoriously inefficient.

A single CUBESAT with efficient solar cells can only supply a couple of watts of power, and a double CUBEsat wont produce twice as much, so has anyone done actual calculations to see what can actually be achieved? Bear in mind that if the bird carries batteries, quite a bit of the available power in sunlight will have to be diverted to the BCR, for the battery, so not much is actually available to operate the transponder and other systems. The Cubesat format is really not suited to linear operation. Of course were it to be a batteryless satellite, the situation changes a bit and it might then become feasible, sort of.

The triple CUBESAT volume could actually support a PICO transponder with deployable solar double-hinged panels of reasonable surface area, and power capability, wrapped around a small core, on condition that no battery was flown. Not a new idea of course. I described the concept years ago to various people. Interest factor ... zero. It is certainly one way to extract the maximum power from the minimum volume.

POPACS movie at...

http://www.youtube.com/watch?v=L0ldSWgOEjU&feature=related

Quite a clever concept really, but this one seems to be a multiple (*3) CUBESAT with a sphere on top. It's a step in the right direction, but I'm certain that quite a bit more power could be had from the triple Cubesat format by some clever engineering. The battery? No space for it. It would have to go :-)

73 Al.

Got a cool Hotmail story? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3226. Re: HO68 No Passes for South Africa

Yahoo group: eu-amsat
Date: 2010-03-03 16:43:47 UTC
From: yo9gjx
Topic: 3218 Message: 3226

Well my friend, not HOPE just do something.
When you will turn on again Sumbandila you can shut down transporder every time it cross over China. Sweet revenge will be. Hi
Now without joke is possible to be on full time when comissioning periode is finished.

--- In eu-amsat@yahoogroups.com, Etienne Swart <eswart1959@...> wrote:
>
> We here in Southern Africa have been forgotten on the HO68 Transponder planing.
> We get 1 10 Minute pass If we are lucky.
> Maybe one day our wish to have a early evening or morning pass will be met.
> Enjoy working HO68, while we sit here without HOPE.
> 73's
>
>
> Etienne Swart
> ZS6Y
>

Well my friend, not HOPE just do something.
When you will turn on again Sumbandila you can shut down transporder every time when it cross China

3227. Re: [eu-amsat] Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 16:34:19 UTC
From: Thomas Frey
Topic: 3220 Message: 3227

m5aka schrieb:
>
> If it works it will provide a way for us to get satellites with a 1500km+ apogee in just a 2U CubeSat.
>

Trevor, are you sure ? Its a big business for Colorado Satellite Services LLC.
This firm has also big investments. So they make never a gift to radio amateurs.
Or do you have other informations ?

I remember me I was in the 1990s at a AMSAT-UK Colloquium in Guildford. There was a student from the Uni who was held a session about a propulsion system on a chip. I have nothing heard about it until today, if this firm uses this technique.

> With a 2U CubeSat you should have just enough solar power to support a 1 watt linear transponder. The launch/integration costs could be as low as $60,000 on say future NASA launches. That kind of figure is affordable by Amateur Radio groups.
>

OK, and in the 3rd cube is the propulsion system sitting.

> Elliptical orbits like this also have the advantage that they burn up after a few years (I think about 27 years for a 750km perigee sat ?) thus solving the orbital debris problem.
>
> 73 Trevor M5AKA
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3228. Re: [eu-amsat] Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 16:41:46 UTC
From: Thomas Frey
Topic: 3220 Message: 3228

Al copland schrieb:
>
>
> The Federal Communications Commission are a US based commercially
> oriented government based organisation, not an amateur one. Rather
> like OFCON... oops sorry folks... I meant OFCOM, their analogue in
> the UK. They are both about earning money for their respective
> governments by selling off spectrum space. Thats worth remembering.
> They are not fighting for our cause. The IARU don't appear to be
> fighting in our corner either IMO.
>
> 73 Al.
> GM1SXX
>

Hello Al

Its a question of cooperation between the amateur radio organisations
and their government. Our USKA has an excellent cooperation with our
BAKOM, the Swiss government.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3229. Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 18:16:02 UTC
From: Al
Topic: 3220 Message: 3229

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Al copland schrieb:
> >
> >
> > The Federal Communications Commission are a US based commercially
> > oriented government based organisation, not an amateur one. Rather
> > like OFCON... oops sorry folks... I meant OFCOM, their analogue in
> > the UK. They are both about earning money for their respective
> > governments by selling off spectrum space. Thats worth remembering.
> > They are not fighting for our cause. The IARU don't appear to be
> > fighting in our corner either IMO.
> >
> > 73 Al.
> > GM1SXX
> >
>
> Hello Al
>
> Its a question of cooperation between the amateur radio organisations
> and their government. Our USKA has an excellent cooperation with our
> BAKOM, the Swiss government.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

Hi Thomas, and the group.

I'm confused by your posting. This question of co-operation is relevant how?

Are you suggesting that 'co-operation' makes flyimg commercial birds transmitting in the amateur satellite segments and allocating Oscar numbers to the same commercial birds, makes them somehow into 'amateur satellites', or have I missed some very fundamental point here?

It should also be remembered that regarding Amateur Radio, the ITU and IARU in that order, have the responsibility for radio communications globally and not governments. Governments have only very limited power to allocate small blocks of certain frequencies via their communications agencies. I'm sure your country's communications agency is in absolutely no way substantially different from OFCOM or the FCC.

I'm just as keen as the next guy to see new 'amateur radio satellites', but most of the birds currently being built for use on amateur frequencies are really commercial projects or commercial technology testbeds. Are they amateur satellites? I don't think so.
YMMV.

73 Al.

3230. Orbital decay ready reckoner.

Yahoo group: eu-amsat
Date: 2010-03-03 18:18:00 UTC
From: Al
Topic: 3230 Message: 3230

Hi,

Plug in the numbers and play.

http://www.lizard-tail.com/isana/lab/orbital_decay/

73 Al.

3231. Re: [eu-amsat] Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-03 19:52:21 UTC
From: Thomas Frey
Topic: 3220 Message: 3231

Al schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> Al copland schrieb:
>>
>>>
>>> The Federal Communications Commission are a US based commercially
>>> oriented government based organisation, not an amateur one. Rather
>>> like OFCON... oops sorry folks... I meant OFCOM, their analogue in
>>> the UK. They are both about earning money for their respective
>>> governments by selling off spectrum space. Thats worth remembering.
>>> They are not fighting for our cause. The IARU don't appear to be
>>> fighting in our corner either IMO.
>>>
>>> 73 Al.
>>> GM1SXX
>>>
>>>
>> Hello Al
>>
>> Its a question of cooperation between the amateur radio organisations
>> and their government. Our USKA has an excellent cooperation with our
>> BAKOM, the Swiss government.
>>
>> --
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>> _____
>>
>> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>> http://home.datacomm.ch/th.frey/
>>
>>
> Hi Thomas, and the group.
>
> I'm confused by your posting. This question of co-operation is relevant how?
>

For the relationship between the radio amateurs and the government. If the
government not allows to operate in a new frequency segment, for example
7.2 - 7.3 MHz, or the government gives commercial licences for an amateur
band (for example), then there is a bad or no relationship between radio
amateurs
and government.

If you inveigh about your OFCOM, then there is a bad or no relationship
between
RSGB and OFCOM.

> Are you suggesting that 'co-operation' makes flyimg commercial birds transmitting in the amateur satellite segments and allocating Oscar numbers to the same commercial birds, makes them somehow into 'amateur satellites', or have I missed some very fundamental point here?
>

My remark has nothing to do with satellites in special, only with
ham radio in general. Sorry, if I confused you.

> [snip]
>
> I'm just as keen as the next guy to see new 'amateur radio satellites', but most of the birds currently being built for use on amateur frequencies are really commercial projects or commercial technology testbeds. Are they amateur satellites? I don't think so.
> YMMV.
>
> 73 Al.
>
>

I agree. This is also an important reason for a good co-operation
between ham radio organisations and government.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3232. Re: Raising the Apogee 450km to 1500km

Yahoo group: eu-amsat
Date: 2010-03-04 00:58:18 UTC
From: m5aka
Topic: 3220 Message: 3232

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> I remember me I was in the 1990s at a AMSAT-UK Colloquium
> in Guildford.
> There was a student from the Uni who was held a session about
> a propulsion system on a chip. I have nothing heard about it
> until today, if this firm uses this technique.

I think I remember that talk, it was possibility the Satellite on a chip talk. It was theoretic rather than practical and I don't think it has anything to do with the gas propulsion on POPACS-RR.

There was also a talk one year on ion propulsion for small satellites and that I know has been progressed further.

Of course one thing you can't do as yet in a CubeSat platform is run a software defined transponder, such as P3E will use, which would overcome the dynamic range issues of conventional transponders. They impose a significant power overhead (350mw ?) but who knows what will happen in the future. Maybe some form of foldable solar panels that could be deployed in orbit would provide the extra power ?

73 Trevor M5AKA

3233. Matrushkasat

Yahoo group: eu-amsat
Date: 2010-03-04 12:57:10 UTC
From: Al
Topic: 3233 Message: 3233

Hi group.

This is only an idea, and it's not even mine. How to generate more power than your satellite's surface area naturally permits is sometimes the quest of the satellite builder, and especially so in the case of the CUBESAT. Fortunately the big boys have been doing just that, very successfully, for very many years.

The concept is very simple... build a barrel-like spaceframe covered in solar cells over which a slightly larger solar cell covered tube slides. The idea is analogous to the Russian Matrushka dolls but I think the Hughes coropration got there first, in space at least. Many US built COMSATS use this method to boost power generation and it works well for them. The outer solar generator is deployed once in orbit, to double the surface area... and power generation capability of the satellite. Doing things this way eats into the available volume for batteries, transponder(s) and other systems, but batteries are the cause of many satellite failures and could be dispensed with if daylight-only operations were acceptable. Furthermore, by simplifying the onboard satellite system as much as possible, greater longevity could be assured. Wouldn't please the builders, but it would sure please the users :-)

The other obvious way to increase power generation and solar-cell area is to use deployable hinged panels wrapped around a sub-sized central core, or to use flip-out panels like those used in DELFI-C3.
What a pity the amateur transponder on delfi suffered problems and was shut down. It's a satellite with many unuusual features but was rather a damp squib as far as the amateur radio operator is concerned. Maybe next time?

73 Al.

3234. (no subject)

Yahoo group: eu-amsat
Date: 2010-03-05 12:19:28 UTC
From: John Hackett
Topic: 3234 Message: 3234
Attachments: 5 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 050320101315Z.

A HALF RHOMBIC ??.

Nah !! ... it's a V Beam.

Used primarily by the military in the 1960's for long distance point to point communications on VLF and HF.

There is no reason why HF aerial principles can't be used on VHF, UHF or even MICROWAVES. The 'aerial physics' principles are the same - regardless of the frequency used.

Only the implimentation and materials differ.

A half rhombic or 2 element V beam - (call it what you will) - can be used at VHF just as well as at HF. If carefully constructed - with a spacing of 0.25 wavelength and an apature of 90 degrees, it can be made to perform as well as a 3 element yagi - but take up less space and it will literally knock the socks! off an inefficient helically wound S.V.V.G. aerial.
(Short Vertical Vulcanised Goose) ... rubber duck, to you, Duckie. In most cases, a resonant wet shoelace will outperform most commercial rubber ducks. The 'standard' SWR being 3:1. I know certain people don't bother about the SWR and claim it belongs to the 'chicken' band but SWR is the ratio of the power of the wave travelling from the load back to the source so while a lot of people claim it it is *NOT* loss - it's definately not performing any useful work and is therefore only contributing to heating up the transmission line - which *IS* dissipating energy ... err ... loss!.

A 'rhombic' aerial is generally accepted to have at least 3 x halfwaves on each leg and provides 'gain' due to the fact of the current and voltage nodes cancelling out in the first and third halwwaves and cancelling eachother in the second ... providing directivity and a good front to back ratio - compared to a halfwave dipole.

Since the aerial I describe only has a quarter wave on each leg it's more suitably referred to as a 2 element V beam. The gain is realised slightly differently from the rhombic. In thy
e 2 element beam, the principle is the same as that of a yagi, it realises forward gain by passive phasing since the reflector is a quarterwavelength behind the director.

Different schools of thought provide different gain figures for Rhombics and V beams but it's safe to assume that a rhombic with 3 x halfwavelengths on each leg will provide 6dBd over a dipole whereas the 2 element V beam with a quarterwavelength on each leg will give a forward gain of about 4dBd and a front to back ratio of somewhere in the region of 10 to 12 dB.

Some aerial manufacturers quote some truly amazing! gain figures for their products and it must be remembered that these are almost always produced in a 'lab' using 100Mhz models on

a computer under perfect conditions. They will invariable *NOT* perform to the same specifications at your QTH unless you live in the middle of a bog on an island surrounded by sea water.

(For 7 years I did ... Gossen Island. IOTA EU 36. I currently live on Frei island. EU-56).

The vertical radiation angle for all aerials depends primarily on the height over effective ground - (which isn't necessarily the surface of the earth) - it depends on the conductivity
of the surface in question. An amp-meter measurement of the conductivity of the ground is beyond the scope of this article.

A shoulder mounted V beam.

The photos should be self explanatory.

The 'math' - (formulii, to you) - can be found in any aerial book or on the internet.

As previously mentioned - measurements from one location will almost invariably never repeat at a different location - (physics + Murphy's law) - so 'tweak' for your own QTH.

I used 10 x 3mm aluminium bar for the shoulder bracket, boom, reflector and fittings, 2 x surplus Watson FC-130 frequency counter telescoping whip aerials and a couple of Junque-box BNC's. The reflector is split into 3 pieces to conserve space when the aerial
is collapsed and you're gadding about on a bus.

The feedline is a halfwavelength of RG-58 to an IC - E92D in the shoulder bag.

Adjust the V for a perfect 1:1 match.

This aerial will kick your rubber ducky's bum.

While not quite as effective an an 'Arrow' clone this aerial *WILL* save you thousands of Pounds, Dollars, Bath, Rubles, sheep (!) in compensation for poking people's eyes out.

Mounted on my shoulder the aerial is about 3/4 wavelength over the ground and so has useful lobes for satellite operations ... and err ... you can always rotate about your own access.

An earlier OBS decribes the SATme tracking software on a mobile phone.

NOTES.

a) For portable satellite operations, if like me, you are (reasonably) concerned about poking somebody's eyes out (The 'arrow' dance syndrom) you can always use a smaller aerial.

b) Those that are old enough will recall that it was St Vitus who originally invented the Arrow 'dance'.

73 John. LA2QAA.

<la2qaa@...>

3235. Who said this receiver is deaf on satellite?

Yahoo group: eu-amsat
Date: 2010-03-06 23:03:34 UTC
From: st2nh
Topic: 3235 Message: 3235

Hi All

With more than 33 meters coax cable 9913.
and 4 meters RG58 divided to 2 meters on each end (at antenna and in the shack).
Plus many connectors with adapters and without UHF PreAmp!

HRD drive my IC-R20 Receiver so smoothly In a low elevation pass to received
Hope-1 cw telemetry so clearly and with out Doppler effect.

For more info and movie see

http://st2nh-blogger.blogspot.com/2010/03/this-receiver-is-not-deaf-on-satellite\
.html

73's Nader - st2nh
http://st2nh-blogger.blogspot.com/

3236. Re: [amsat-bb] Re: help, LEO navigational question

Yahoo group: eu-amsat
Date: 2010-03-07 06:15:22 UTC
From: Luc Leblanc
Topic: 3236 Message: 3236

On 6 Mar 2010 at 18:58, jmfranke wrote:

> ITAR rules and restrictions apply to anyone exporting ITAR controlled
> information from the United States. It does not matter if the information
> is in regard to other country technology or where it came from. ITAR
> restricts me from discussing Soviet, Chinese, English, Iranian, or US
> satellite technology. There are exceptions but I would advise you to read
> the ITAR (22 CFR 120-130), it is readily available. ITAR does not control
> exports from other countries by non-US persons. They have their own laws
> and regulations.
>
> John WA4WDL

Here is a speech excerpt from William Shatner AKA Captain Kirk (who is born in Montreal) made during the winter olympics closing ceremony:
" As a Canadian i can pronounce Juan de Fuca without be censored" Capt Kirk is living in the US for many years now and probably having his
US citizenship. As the a phrase used in the title sequence of most Star Trek episodes "Where no man has gone before" It was too tempting to
make the association with the "Acceptable Use Policy for the AMSAT Public Mailing Lists" I think William is reading AMSAT-BB?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3237. HO68 Access denied

Yahoo group: eu-amsat
Date: 2010-03-07 09:22:53 UTC
From: Etienne Swart
Topic: 3237 Message: 3237

Hello users of HO68.
Southern Africa is forgotten again!
Transponder is activated for 2 hams in Africa.
TR8CA & ST2NH have all the luck.
HOPE for activation one day.
Saturday and Sunday is busy here
on SO50 AO51 FO29 AO7 & VO51.
Not HO68.
Have Fun
See my Video clips on Youtube
Search forzs6y

Etienne Swart
ZS6Y

3238. Re: HO68 Access denied

Yahoo group: eu-amsat
Date: 2010-03-07 10:34:50 UTC
From: st2nh
Topic: 3237 Message: 3238

Etienne
Beam toward East and shout, May Alan Kung hear you!

Alan Email:
alankung(at)public3.bta.net.cn

73's Nader

--- In eu-amsat@yahoogroups.com, Etienne Swart <eswart1959@...> wrote:
>
> Hello users of HO68.
> Southern Africa is forgotten again!
> Transponder is activated for 2 hams in Africa.
> TR8CA & ST2NH have all the luck.
> HOPE for activation one day.
> Saturday and Sunday is busy here
> on SO50 AO51 FO29 AO7 & VO51.
> Not HO68.
> Have Fun
> See my Video clips on Youtube
> Search forzs6y
>
>
> Etienne Swart
> ZS6Y
>

3239. Re: [amsat-bb] Re: Membership Benefits

Yahoo group: eu-amsat
Date: 2010-03-07 16:05:15 UTC
From: Luc Leblanc
Topic: 3239 Message: 3239

```
>
>
> ----- Original Message -----
> From: "Dee" <morsesat@...>
> To: "'Joel Black'" <jbblack68@...>; "'AMSAT'" <amsat-bb@...>
> Sent: Sunday, March 07, 2010 10:04 AM
> Subject: [amsat-bb] Re: Membership Benefits
>
>
> > Joel,
> > As put before, we are the only organization that directly supports Amateur
> > Radio Satellites. Everything we do supports this effort. Those that use
> > the satellites for their fun and DO NOT belong to AMSAT are defeating this
> > effort. Satellites don't magically appear for everyone's benefit.
> > Whenever I give a talk, my bottom line is "I work for donations!" We are
> > striving for the best bang for the buck and putting a satellite in orbit
> > that gives back the most in returns.
> > Pass the hat and pass the solar panels!
> > 73,
> > Dee, NB2F
> > NJ AMSAT Co-coordinator
> >
```

WRONG and false statement: "> > As put before, we are the only organization that directly supports Amateur Radio Satellites"

AMSAT-DL does
AMSAT-SA does
AMSAT india does
CAMSAT does

Please feel free to add to the list

Another American "we are the center of universe" false commenting fortunately it is more an more an exception from the rigid right wing.
What an disrespectful commenting from an AMSAT-NA representative shame on AMSAT-NA organization.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3240. RE:New digital mode ROS - Satellites ?

Yahoo group: eu-amsat
Date: 2010-03-11 03:00:13 UTC
From: Luc Leblanc
Topic: 3240 Message: 3240

From: Trevor .m5aka
Date: Sat, 20 Feb 2010 09:45:18 +0000 (GMT)

ROS is a digital spread spectrum mode but with a narrow tota occupied bandwidth. Current activity takes place on USB frequencies: 3.600, 7.053, 14.101, 28.300.

It can automatically synchronizes within a range of + -200 Hz so may be a better mode for satellite working than PSK31.

Further details at:

New amateur radio digital mode - ROS
http://www.southgatearc.org/news/february2010/ros.htm

73 Trevor M5AKA

I am planning to test the mode over satellite using two program running at the same time one on the uplink and another on the downlink.
If in the mean time someone "Out of the US) want to give it a try just contact me off list.
Thank's

From QRZ.com

http://www.arrl.org/news/stories/2010/03/04/11377/?nc=1

In mid-February, European amateurs first used a new, experimental digital mode known as ROS. On February 23, 2010 -- after FCC review of
the original documents provided from the developer's Web site -- the FCC made the following statements on ROS:

"Section 97.305 is the rule that specifies where different emission types are allowed to be transmitted on different bands. 'ROS' is viewed
as 'spread spectrum,' and the creator of the system describes it as that. We assume that he knows what he created. [Section] 97.305
authorizes spread spectrum emission types (defined in Section 97.3) to be transmitted by FCC licensed amateur stations at places we
regulate communications only on 222-225 MHz and higher frequency amateur bands. European telecommunication regulatory authorities may
authorize amateur stations in Europe to use SS on the HF bands, but this is of no concern to us. The Commission does not determine if a
particular mode 'truly' represents spread spectrum as it is defined in the rules. The licensee of the station transmitting the emission is
responsible for determining that the operation of the station complies with the rules. This would include determining the type of emission
the station is transmitting and that the frequencies being used are authorized for that type of emission."

Since that initial FCC review, several Internet sites have reported a claim -- attributed to the FCC -- that the original statements made
had been reconsidered and that the FCC view was now that "ROS cannot be viewed as Spread Spectrum and it would be encompassed within
Section 97.309 (RTTY and data emissions codes)."

When queried about this new statement, the FCC's Consumer Assistance Office stated that "[T]he information contained on the ROS Web site
was not provided by the FCC." They then reaffirmed the original statements that originated from the FCC's Wireless Bureau, which handles
Amateur Radio rules for the US.

The ARRL supports -- as one of the basic purposes of Amateur Radio -- the experimentation and advancing the technical skills of operators.
The development and use of any new mode is exciting to many amateurs, and the League encourage amateurs to experiment within the parameters
of the rules; however, the ARRL also reminds US licensees that according to Section 97.307, spread spectrum communications are only
permissible in the US on frequencies above 222 MHz.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3241. HO-68 FM & Digital modes on split schedule!

Yahoo group: eu-amsat
Date: 2010-03-12 18:15:28 UTC
From: st2nh
Topic: 3241 Message: 3241

HO-68 Schedule - 14-21 Mar 2010

Subject: [amsat-bb] HO-68 Schedule - 14-21 Mar 2010
From: "Alan Kung" <alankung@xxxxxxxxxxxxxxxxx>
Date: Sat, 13 Mar 2010 00:07:41 +0800

Hello all,

I got a lot of responses about problem of digital mode
through HO-68. The main problem is that Packet communication
is often interrupted by voice. We are trying a new schedule
in this week, voice and packet operations will be separated
by the schedule, of course, this just depends on the hams'own
discipline. If you have any comment and suggestion, please
let me know.

14 Mar. 2010, Digital Transponder
==========
16:45...Turn On--Linear Transponder
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:20...Turn On
Africa,Europe,Middle East,NA
19:05...Turn Off

15 Mar. 2010, Digital Transponder
==========
01:25...Turn On--Linear Transponder
South America,NA,North Asia
02:10...Turn Off

02:21...Turn On
North Asia,East Asia,South Asia
02:36...Turn Off

03:15...Turn On--Linear Transponder
South America,NA,North Asia
04:00...Turn Off

19:50...Turn On
Africa,Europe,NA
20:35...Turn Off

16 Mar. 2010, Digital Transponder
==========
01:15...Turn On
South America,NA,North Asia
02:00...Turn Off

02:09...Turn On
North Asia,East Asia,South Asia
02:25...Turn Off

03:00...Turn On
NA,South America,North Asia
03:45...Turn Off

11:40...Turn On
South America,Oceania,Asia
12:25...Turn Off

17:45...Turn On
India,Middle East,Europe,NA
18:30...Turn Off

19:50...Turn On
Africa,Europe,NA
20:35...Turn Off

17 Mar. 2010, Digital Transponder
==========
01:43...Turn On
North Asia,East Asia,South Asia
01:59...Turn Off

10:05...Turn On
Oceania,East Asia,North Asia,Europe
10:50...Turn Off

13:05...Turn On
South America,Oceania
13:50...Turn Off

16:00...Turn On
India,Middle East,Africa,Europe,NA
16:45...Turn Off

23:25...Turn On
NA,North Asia,East Asia,Oceania
24:10...Turn Off

18 Mar. 2010, Digital Transponder
==========
01:32...Turn On
North Asia,East Asia,South Asia
01:46...Turn Off

06:50...Turn On
NA,North Asia,Middle East,
Europe,Africa
07:35...Turn Off

11:30...Turn On
Oceania,Asia,Europe,NA
12:15...Turn Off

17:15...Turn On
Africa,India,Middle East,Europe,NA
18:00...Turn Off

19:10...Turn On
Africa,Europe,NA
19:55...Turn Off

19 Mar. 2010, Digital Transponder
==========
00:15...Turn On
South America,NA,North Asia
01:00...Turn Off

03:04...Turn On
North Asia,East Asia,South Asia
03:15...Turn Off

11:15...Turn On
Oceania,Asia,Europe
12:00...Turn Off

18:45...Turn On
Africa,Europe,NA
19:30...Turn Off

23:10...Turn On
NA,Asia,Oceania
23:55...Turn Off

20 Mar. 2010, Digital Transponder
==========
02:05...Turn On
South America,NA,North Asia
02:45...Turn Off

02:50...Turn On
North Asia,East Asia,South Asia
03:05...Turn Off

11:00...Turn On
Oceania,Asia,Europe,NA
11:45...Turn Off

18:40...Turn On
Africa,Europe,NA
19:25...Turn Off

21 Mar. 2010, Digital Transponder
==========
01:35...Turn On
South America,NA,North Asia
02:20...Turn Off

04:17...Turn On
North Asia,East Asia,South Asia
04:32...Turn Off

07:45...Turn On
North Asia,Europe,Africa
08:30...Turn Off

10:45...Turn On
Oceania,Asia,Europe
11:30...Turn Off

73
Alan Kung, BA1DU
HO-68(XW-1) Project Manager
www.camsat.cn

3243. SpaceX ramping up production for the Dragon 9

Yahoo group: eu-amsat
Date: 2010-03-15 11:31:40 UTC
From: Al
Topic: 3243 Message: 3243

Spacex have a very interesting website with lots of photos of their new launcher.
http://www.spacex.com/updates.php

Plenty of interesting photographs of their as yet unflown launcher.

73 Al.
GM1SXX

3244. PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-22 08:00:22 UTC
From: Al
Topic: 3244 Message: 3244

Hi Group.

William, PE1RAH has updated his website and now has English, Dutch, Germans and Chinese language pages devoted to his Cubesat scaled Tranponder unit. The pages should be of interest to those wishing to develop a *Linear* satellite, be it a Cubesat or larger format bird.

See..
http://www.leijenaarelectronics.nl/
for more information. Please spread the word in the amateur satellite community.

73 Al.
GM1SXX

3245. Re: [eu-amsat] PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-22 13:34:15 UTC
From: Thomas Frey
Topic: 3244 Message: 3245

Al schrieb:
> Hi Group.
>
> William, PE1RAH has updated his website and now has English, Dutch, Germans and Chinese language pages devoted to his Cubesat scaled Tranponder unit. The pages should be of interest to those wishing to develop a *Linear* satellite, be it a Cubesat or larger format bird.
>
> See..
> http://www.leijenaarelectronics.nl/
> for more information. Please spread the word in the amateur satellite community.
>
> 73 Al.
> GM1SXX
>
>

Hello Al

I did it to the AMSAT-DL Forum with a few words about the Uni's and
their Cubesats.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3246. RE: [eu-amsat] PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-22 14:13:11 UTC
From: Al copland
Topic: 3244 Message: 3246

Thanks Thomas.

William has devoted a lot of his time, money and energy into his linear transponder project. He's already demonstrated the transponder unit at JARL and I think his next major demonstration venue will be in China. You can also see his transponder in action on Youtube. Try typing in 'PE1RAH or 'transponder'. His earlier PICOSAT transponder design was hand-soldered but the new LE-005 model is reflow-soldered.

73 Al.

GM1SXX

> > See..
> > http://www.leijenaarelectronics.nl/
> > for more information. Please spread the word in the amateur satellite community.
> >
> > 73 Al.
> > GM1SXX
> >
> >
>
> Hello Al
>
> I did it to the AMSAT-DL Forum with a few words about the Uni's and
> their Cubesats.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>

_____
We want to hear all your funny, exciting and crazy Hotmail stories. Tell us now

http://clk.atdmt.com/UKM/go/195013117/direct/01/

3247. HO-68 & APRStt

Yahoo group: eu-amsat
Date: 2010-03-22 15:39:25 UTC
From: John Hackett
Topic: 3247 Message: 3247

Hello Alan & fellow satellite ops,
I'm wondering if there'd be any negativity if APRStt were utilised on HO-68 when the transponder is in 'digital'' mode?.

As you probably know, APRStt is WB4APR Bob's concept for utilising 'any' DTMF rig on APRS, a tactical real-time information system using UI packets.

What may be - (as yet) - lesser known is the short-form version of APRStt, designed specifically for SPACE communications ... (see attached note).

I believe that while potential newcomers won't initially have equipment for a full digital station they *WILL* probably have a handheld rig with a keypad. My thoughts are ... anything that can promote amateur radio satellites must surely be useful - particularly things aimed at our SMS-fingered youth ... as opposed to the rickety old telegraphers like La2qaa.

Opinions are solicitated Gents.

If this *IS* of interest, further reading is available by Googling APRStt.

73 John. <la2qaa@...>

CC

WB4APR, GM1SXX, DK4WN, ST2N, EU-AMSAT

.....
.....

Space APRStt

APRS DTMF-to-APRS PROTOCOL 10 Oct 2002

WB4APR

APRStt is the specification for Touchtone applications of APRS. It allows anyone with an HT to use his DTMF pad to enter APRS positions, messages and other data. Thus EVERYONE in ham radio can communicate by APRS, not just those with APRS HT's.

Although the Terrestrial application of APRStt with its well defined voice repsonses will revolutionize APRS and allow everyone to participate, a shortend modified version is necessary for Satellite applications. This is because a satelllite can hear everyone in the USA or Europe at once. Thus the ability to combine multiple transmissions into a callsign, Position, and message is impossible. The entire data from one station must be sent in a single 16 digit DTMF string. This is the typical size of DTMF memories in most HT's.

Therefore the following SPACE version of APRStt is being developed:

FUNDAMENTALS:
1) All protocols must fit into 16 digits
2) All protocols must end with the "D" key
3) All SPACE protocols must have a valid CHECKSUM
4) Calls are HASHED, meaning a 6 digit decimal callsign equivalent.

The best small satelllite application of SPACE APRStt is to have a simple DTMF decoder on the satellite uplink and then for the satellite to convert the DTMF to the SPACE-APRStt equivalent AX.25 packet on the downlink. Then all APRS stations in the footprint of the satellite and the worldwide APRS internet linked system of AX.25 receivers will receive the data. If the satelltie is DTMF only, then all it has to do is regenerate the DTMF on the downlink and let a SPACE-APRStt ground station convert the packet for injection to the worldwide APRS internet system. FOllowing are the initial definitions of SPACE-APRStt formats:

POSITION FORMAT: The following is the proposed

```
16 digit DTMF Packet
---------------- ----------------------------------------
AccccccBhaaalllD CCCCCC>APxxxx,WIDE:=AAA0.00N/LLLL0.00W$
```

Callsign begins with DTMF "A" and callsign (cccccc) (924277=WB4APR)
Then DTMF "B" indicates POSITION Follows:
Where h is hemisphere quadrant N,S,E,W and 100's digit of LONG
where aaa is 3 digits LAT and ooo is 3 digits Long (nearest 10 mi)
Ends with DTMF "D"

MESSAGE EXAMPLE:

```
16 digit DTMF Packet
---------------- ----------------------------------------
AccccccC1234567D CCCCCC>APxxxx,WIDE::ALL :1234567
```

Which is a message to ALL from cccccc containing a 7 digit message. I have defined MANY pre-defined messages including ARRL radio grams etc... so this is not much of a limitation...

3248. Re: [eu-amsat] HO-68 & APRStt

Yahoo group: eu-amsat
Date: 2010-03-22 22:13:47 UTC
From: Thomas Frey
Topic: 3247 Message: 3248

Hello John

Is "APRStt" APRS via DTMF and not via Packet Radio ? Isn't it ?

To prevent confusion: If HO-68 is in FM mode, you can send any tones
you want. Voice, DTMF, SSTV, Packet Radio ... what you want. You only
have to declare the communications protocol.

HO-68 has a PacSat-Mailbox for Packet Radio. Is the digipeater on,
you can see it in the telemetry line as "D:1".

I hope I have understood your mail correct.

John Hackett schrieb:
>
>
> Hello Alan & fellow satellite ops,
> I'm wondering if there'd
> be any negativity if APRStt were utilised on HO-68 when the
> transponder is in 'digital'' mode?.
>
> As you probably know, APRStt is WB4APR Bob's concept for utilising
> 'any' DTMF rig on APRS, a tactical real-time information system using
> UI packets.
>
> What may be - (as yet) - lesser known is the short-form version of
> APRStt, designed
> specifically for SPACE communications ... (see attached note).
>
> I believe that while potential newcomers won't initially have
> equipment for a full digital station they *WILL* probably have a
> handheld rig with a keypad. My thoughts are ... anything that can
> promote amateur radio satellites must surely be useful - particularly
> things aimed at our SMS-fingered youth ... as opposed t o the rickety
> old telegraphers
> like La2qaa.
>
> Opinions are solicitated Gents.
>
> If this *IS* of interest, further reading is available by Googling APRStt.
>
> 73 John. <la2qaa@...>
>
> CC
>
> WB4APR, GM1SXX, DK4WN, ST2N, EU-AMSAT

>
> .....
.....
>
> Space APRStt
>
> APRS DTMF-to-APRS PROTOCOL 10 Oct 2002
> ----------
> & nbsp; WB4APR
>
> APRStt is the specification for Touchtone applications of APRS. It
> allows anyone with an HT to use his DTMF pad to enter APRS positions,
> messages and other data. Thus EVERYONE in ham radio can communicate
> by APRS, not just those with APRS HT's.
>
> Although the Terrestrial application of APRStt with its well defined
> voice repsonses will revolutionize APRS and allow everyone to parti-
> cipate, a shortend modified version is necessary for Satellite
> applications. This is because a satelllite can hear everyone in the
> USA or Europe at once. Thus the ability to combine multiple transmissions
> into a callsign, Position, and message is impossible. The entire
> data from one station must be sent in a single 16 digit DTMF string.
> This is the typical size of DTMF memories in most HT's.
>
> Therefore the following S PACE version of APRStt is being developed:
>
> FUNDAMENTALS:
> 1) All protocols must fit into 16 digits
> 2) All protocols must end with the "D" key
> 3) All SPACE protocols must have a valid CHECKSUM
> 4) Calls are HASHED, meaning a 6 digit decimal callsign equivalent.
>
> The best small satelllite application of SPACE APRStt is to have a simple
> DTMF decoder on the satellite uplink and then for the satellite to
> convert the DTMF to the SPACE-APRStt equivalent AX.25 packet on the
> downlink. Then all APRS stations in the footprint of the satellite and
> the worldwide APRS internet linked system of AX.25 receivers will
> receive the data. If the satelltie is DTMF only, then all it has to do
> is regenerate the DTMF on the downlink and let a SPACE-APRStt ground
> station convert the packet for injection to the worldwide APRS internet
> system. FOllowing are the initial definitions of SPACE-APRStt formats:
>
> POSITION FORMAT: The following is the proposed
>
> 16 digit DTMF Packet
> ---------- ----------
> AcccccBhaaalllD CCCCCC>APxxxx,WIDE:=AAA0.00N/LLLL0.00W$
>
> Callsign begins with DTMF "A" and callsign (cccccc) (924277=WB4APR)
> Then DTMF "B" indicates POSITION Follows:

> Where h is hemisphere quadrant N,S,E,W and 100's digit of LONG
> where aaa is 3 digits LAT and ooo is 3 digits Long (nearest 10 mi)
> Ends with DTMF "D"
>
> MESSAGE EXAMPLE:
>
> 16 digit DTMF Packet
> ---------- ----------
> AccccccC1234567D CCCCCC>APxxxx,WIDE::ALL :1234567
>
> Which is a message to ALL from cccccc containing a 7 digit
> message. I have defined MANY pre-defined messages including
> ARRL radio grams etc... so this is not mu ch of a
> limitation...
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3249. HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-22 22:50:36 UTC
From: John Hackett
Topic: 3247 Message: 3249

You're quite right Thomas,
FM would be the appropriate mode for DTMF tones.

I imagine the SPACE version of APRStt might be of interest to potential younger newcomers since it is they who are usually interested in and most competent on small keypads like those found on mobile phones and handheld VHF/UHF transceivers.

I imagine SPACE APRStt would be a useful entry level mode on HO-68.

As you'll know, DTMF tones are used extensively in commercial communications.

73 John. <la2qaa@...>

3250. Re: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-22 23:49:57 UTC
From: Thomas Frey
Topic: 3247 Message: 3250

John Hackett schrieb:
>
>
> You're quite right Thomas,
> FM would be the appropriate mode
> for DTMF tones.
>
> I imagine the SPACE version of APRStt might be of interest to
> potential younger
> newcomers since it is they who are usually interested in and most
> competent on
> small keypads like those found on mobile phones and handheld VHF/UHF
> transceivers.
>
> I imagine SPACE APRStt would be a useful entry level mode on HO-68.
>
> As you'll know, DTMF tones are used extensively in commercial
> communications.
>
> 73 John. <la2qaa@...>
>

I understand John. If you can send DTMF _and_ CTCSS (67 Hz) at the
same time with your TRX, then you can use APRStt via HO-68. Via AO-27
and AO-51 it will work. This sats have no activated CTCSS tone squelch.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3251. RE: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 10:47:59 UTC
From: John Hackett
Topic: 3247 Message: 3251

Hello again Thomas,
Yes, I think it would be accepagble to send DTMF on HO-68 ... I'm awaiting Alan's comments. However, I'm unsure about AO-51.

I did ask Drew Glasbrenner a long time ago about D-Star - at the time he said it would be frowned upon but that AO-51 'could' be switched into a mode suitable for testing D-star if there was enough interest - (it turned out there wasn't).

As far as I know, Luc was the only station testing D-Star on AO-51. We'll have to wait for OUFTI-1 from Belgium in October 2010 for a dedicated D-Star satellite.

It might be interesting to try DTMF on AO-51. WB4APR Bob's 'SPACE' APRStt is such that it allows for a 16 digit DTMF 'burst' containing callsign and approximate position - (or other
'short' message with truncated callsign).

Do you know if this would be acceptable on AO-51 Thomas? - I'll bat this over to KO4MA as well.

(Your comments appreciated Drew).

As I mentioned previously, it might be an entry-level way for the SMS- toting/small keypad newcomersto promote satellite operating on small cubesat missions since they won't have sophisticated stations to begin with - but they *WILLO* almost certainly have a handheld with a keypad.

I'll let you know what Drew says.

73 John. <la2qaa@amsat.org>

3252. Re: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 12:18:29 UTC
From: Thomas Frey
Topic: 3247 Message: 3252

John Hackett schrieb:
>
>
> Hello again Thomas,

Hello again John and group

> Yes, I think it would be accepagble to send
> DTMF on HO-68 ... I'm awaiting Alan's comments.

Theoretically DTMF should be possible. Packet Radio without CTCSS is
also possible.
Its a technical matter.

> However, I'm unsure about AO-51.
>
> I did ask Drew Glasbrenner a long time ago about D-Star - at the time
> he said it would be frowned upon but that AO-51 'could' be switched
> into a mode suitable for testing D-star if there was enough interest -
> (it turned out there wasn't).
>
> As far as I know, Luc was the only station testing D-Star on AO-51.

D-Star is another story. You can classify D-Star into a digital mode
with a data stream and DTMF into an analogue mode with 2 tones.

D-Star via AO-27 works, see "AO-27 does D-Star" on www.ao27.org. But AO-51?
This is also a technical matter.

> We'll have to wait for OUFTI-1 from Belgium in October 2010 for a
> dedicated D-Star satellite.

The inaugural Vega launch with the CubeSats is at 31 December 2010, see
http://www2.jpl.nasa.gov/calendar/#1012

>
> It might be interesting to try DTMF on AO-51. WB4APR Bob's 'SPACE'
> APRStt is such that
> it allows for a 16 digit DTMF 'burst' containing callsign and
> approximate position - (or other
> 'short' message with truncated callsign).
>
> Do you know if this would be acceptable on AO-51 Thomas? - I'll bat
> this over to KO4MA as well.
>
> (Your comments appreciated Drew).

Unofficial not, there is too much QRM. Or deep in a night you can
start such an experiment. Official per schedule yes. But is there
the same interest for APRStt as for SSTV ?

>
> As I mentioned previously, it might be an entry-level way for the SMS-
> toting/small keypad newcomersto promote satellite operating on small
> cubesat missions since they won't have sophisticated stations to begin
> with - but they *WILLO* almost certainly have a handheld with a keypad.
>

Hmm... I'm not a psychologist and its fine, that you make headaches
about this theme. But youngsters are also open for "new action". The
keypad on their handy is an "old hat". :-)

> I'll let you know what Drew says.

Has Drew signed out from this group ?

>
> 73 John. <la2qaa@...>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3253. RE: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 12:36:48 UTC
From: Al copland
Topic: 3247 Message: 3253

Hi Group.

I can't imagine there could be any genuine objection to sending DTMF over FM satellite so long as it' carrier the sender's ID in the message string. After all, DTMF already used to control some amateur repeaters and is a standard control code in widespread use in the telecomms industry. It's a narrowband mode, using audible tone pairs, and shouldn't cause problems on an FM transponder.

I'll leave the matter of whether or not such a signal requires a CW ident also, to others to answer. DTMF is one of the most common control code systems in general use globally, and as such, it can't be considered in any way to be a secret code or cypher.

Over to you, guys.

73 Al.

GM1SXX

Do you have a story that started on Hotmail? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3254. Re: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 14:12:07 UTC
From: Thomas Frey
Topic: 3247 Message: 3254

Al copland schrieb:
>
>
> Hi Group.
>
> I can't imagine there could be any genuine objection to sending DTMF
> over FM satellite so long as it' carrier the sender's ID in the
> message string. After all, DTMF already used to control some amateur
> repeaters and is a standard control code in widespread use in the
> telecomms industry. It's a narrowband mode, using audible tone pairs,
> and shouldn't cause problems on an FM transponder.
>
> I'll leave the matter of whether or not such a signal requires a CW
> ident also, to others to answer. DTMF is one of the most common
> control code systems in general use globally, and as such, it can't be
> considered in any way to be a secret code or cypher.
>
> Over to you, guys.
>
> 73 Al.
> GM1SXX
>
>

Oh yes Al, you are absolutely right. In our licence agreement is
defined, that we have to send our callsign after a period of time.
With only DTMF this is not possible. This problem exists by the
German Cubesat COMPASS-1. For me its not allowed to send a Morse-ID,
whether manual nor automatic.

But technically DTMF over a FM-Repeater without CTCSS is not a problem.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3255. RE: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 14:27:54 UTC
From: Luc Leblanc
Topic: 3247 Message: 3255

On 23 Mar 2010 at 11:47, John Hackett wrote:

Date sent: Tue, 23 Mar 2010 11:47:59 +0100
From: John Hackett <archie.hackett@...>
Subject: RE: [eu-amsat] HO-68 & SPACE APRStt
To: eu-amsat@yahoogroups.com
Copies to: ko4ma@...
Send reply to: no_reply@yahoogroups.com

>
> Hello again Thomas,
> Yes, I think it would be accepagble to send DTMF on HO-68 ... I'm awaiting Alan's comments. However, I'm unsure about AO-51.
>
> I did ask Drew Glasbrenner a long time ago about D-Star - at the time he said it would be frowned upon but that AO-51 'could' be switched into a mode suitable for testing D-star if there was enough interest - (it turned out there wasn't).
>
> As far as I know, Luc was the only station testing D-Star on AO-51. We'll have to wait for OUFTI-1 from Belgium in October 2010 for a dedicated D-Star satellite.
>
> It might be interesting to try DTMF on AO-51. WB4APR Bob's 'SPACE' APRStt is such that
> it allows for a 16 digit DTMF 'burst' containing callsign and approximate position - (or other
> 'short' message with truncated callsign).
>

It was not possible at that time on AO-51 in the standard FM mode as data cannot pass through it. On AO-27 it was possible. Just check my
web page (www.qsl.net/ve2dwe) i was able to hear my own downlink in between standard FM transmission but DSTAR and FM just not behave too
well on the same chan nel as they interfere a lot as it is heard as noise by standard FM receiver and those trying to transmit over it
degraded a lot the DSTAR signal.

It will be interresting to have AO-51 configure in a some sort of mode to have DSTAR transmissions enable?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3256. Affirmative.

Yahoo group: eu-amsat
Date: 2010-03-23 17:05:55 UTC
From: John Hackett
Topic: 3256 Message: 3256

Yes Thomas,
Drew left the group quite a while ago, immediately after he flamed me and accused me of constantly criticising Amsat and contributing NOTHING.

(Luckily, a couple of past Presidents are of a different opinion - as shown by the wooden plaques for past contributions to the organisation).

Perhaps he had trouble distinguishing between 'constructive' and 'destructive' criticism.

Most organisations thrive on constructive criticism but we've seen on several occasions it doesn't appear to be welcome in the last couple of years in Amsat.

It's not a problem though - I'm too old to bother about their bickering.

Fair comment re: the youngsters but sometimes things can be *TOO* complicated to generate interest for newcomers - and remember Thomas, they're not all university educated - IMHO amateur satellites ought to be for EVERYONE - not just the elite few.

(A personal opinion).

73 John. <la2qaa@...>

3257. RE: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 17:25:08 UTC
From: John Hackett
Topic: 3247 Message: 3257

Thomas,
You said ...

>Oh yes Al, you are absolutely right. In our licence agreement is

>defined, that we have to send our callsign after a period of time.

>With only DTMF this is not possible.

On the contrary Thomas, I proposed using WB4APR's *SPACE* APRStt ... which is specifically designed for satellites and uses a truncated (shortform) callsign in every transmission - comprising of a 16 digit 'callsign' + position ... thus ...

A123456Bh123123D

Where ...

A = callsign follows
123456 = callsign as per mobile phone keypad
B = Position follows
h = geographical quadrant, N, S, E, W (north, south, east or west with 3 digits latitude and 3 digits longditude).
D = end

Since most handheld transceiver have a DTMF keypad containing 16 digit memories a single push of a button will transmit a short message.

As Al has already stated, since commercial instances use DTMF identification both in space and terrestially it is highly unlikely that such a system would be deemed illegal.

73 John. <la2qaa@amsat.org>

3258. Re: [eu-amsat] HO-68 & SPACE APRStt

Yahoo group: eu-amsat
Date: 2010-03-23 19:13:10 UTC
From: Thomas Frey
Topic: 3247 Message: 3258

John Hackett schrieb:
>
>
> Thomas,
> You said ...
>
> >Oh yes Al, you are absolutely right. In our licence agreement is
> >defined, that we have to send our callsign after a period of time.
> >With only DTMF this is not possible.
>
> On the contrary Thomas, I proposed using WB4APR's *SPACE* APRStt ...
> which is
> specifically designed for satellites and uses a truncated (shortform)
> callsign in every transmission - comprising of a 16 digit 'callsign' +
> position ... thus ...
>
> A123456Bh123123D
>
> Where ...
>
> A = callsign follows
> 123456 = callsign as per mobile phone keypad
> B = Position follows
> h = geographical quadrant, N, S, E, W (north, south, east or west with
> 3 digits latitude
> and 3 digits longditude).
> D = end
>
> Since most handheld transceiver have a DTMF keypad containing 16 digit
> memories
> a single push of a button will transmit a short message.
>
> As Al has already stated, since commercial instances use DTMF
> identification both in space and terrestially it is highly unlikely
> that such a system would be deemed illegal.
>
> 73 John. <la2qaa@...>
>

Ah OK John. If this code is public, and it is, then lets try.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3259. RE: HO-68 & APRStt

Yahoo group: eu-amsat
Date: 2010-03-24 00:15:32 UTC
From: John Hackett
Topic: 3247 Message: 3259

Certainly! Bob,
I'll let you know if Norbert replies.

I also posted the following to the EU-Amsat group.

Group,
I am informed by Bob, WB4APR, the founder of APRS that the latest *space*

APRStt has the callsign and position reversed from that which I quoted previously.

I believe the position in the 'latest' version can be a bit confusing.

Therefore, I'd suggest the following as an alternative.

BhaaaoooAccccccD

Where B is "position follows", h is "quadrant", N, S E or W, aaa is "most significant digits
of longditude" ooo are "most significant digits of latitude", cccccc is callsign and D is "end of string".

That is ...

B / quadrant / longditude / latitude / A / callsign / end of string

As an example ...

My location of 7 degrees east, 63 degrees north, with the callsign of LA2QAA.
would be ...

Be007063A522722D

Eventual ambiguity can be figured out from a combination of callsign and position.

If 'east' is quoted as the longditude quadrant - for an LA callsign the latitude will obviously be north - so an 'n' is not required.

That will give the 16 digits for a DTMF memory.

Sometimes confusion *MAY* occur with truncated callsigns but WB4APR suggested
a webpage where initial 12 digit callsigns could be stored.

These CANNOT be ambiguous or misconstrued.

1st digit = number key.
Second digit = letter key ... A, B, C or D.

So that LA2QAA would be 5C2A207B2A2A

2 + 0 because it's the figure 2 with no letter following the number.

The above is a *suggestion* only.

73 John. <la2qa@...>
.....
.....

> From: bruninga@...
> To: la2qaa@...
> CC: bruninga@...
> Subject: RE: HO-68 & APRStt
> Date: Tue, 23 Mar 2010 20:04:22 -0400
>
> > I thought I'd give it a try on HO-68 with Norbert
> > Pieper's DTMF decoder married to my
> > Holux GPS decoder ... though I might be hissing (with a
> > capital P) in the wind.
>
> I sure wish he would add ALPHABETIC decode!
> Then everyone could play with text messaging via DTMF.
>
> I have written him a few times over the last 2 years and have
> not got his attention. Would you mind writing him and asking
> him to add alphabetic decode? Option?
>
> Maybe if he hears it from more than just me he will get around
> to it...
>
> Thanks!
> Bob, WB4APR
>

3260. The right day.

Yahoo group: eu-amsat
Date: 2010-03-25 11:49:19 UTC
From: John Hackett
Topic: 3260 Message: 3260

Group,
I suppose most people will now have egistered the fact that the UK is finally about to inaugerate it's own 'official' space agency.

On a very apt day too, I must say.

April 1st.

Talk about shutting the stable door after the horse has bolted.

For those not old enough to remember ... Google 'Propero'.

73 John. <la2qaa@...>

3261. Shanghai Expo. Ham Radio festival. 3-5 April 2010.

Yahoo group: eu-amsat
Date: 2010-03-25 12:05:11 UTC
From: Al
Topic: 3261 Message: 3261

Hi group.

If you happen to be in Shanghai on the 3rd-5th April this year, you might want to pop in to the International Ham Radio Festival and say HI to William PE1RAH who will be demonstrating his LE-005 Linear Cubesat Transponder at the show.

http://www.chinahamexpo.com/vEn.asp?cid=14

It looks like being an impressive radio show for those lucky enough to be able to attend.

73 Al.
GM1SXX

3262. AW: [eu-amsat] RE:New digital mode ROS - Satellites ?

Yahoo group: eu-amsat
Date: 2010-03-25 17:58:18 UTC
From: Mike Rupprecht
Topic: 3240 Message: 3262
Attachments: 2 described; binary payloads are missing from this source WARC

All,

today I tried to experiment with ROS over FO-29. It was not successful.

First of all, the sync time (4 seconds) seems a little bit too short. If you don□t know where exactly your signal is you have to adjust the uplink frequency very fast before the transmission starts.

If you missed the sync sequence you can□t decode the signal. It makes no sense to transmit a lot of text □ this needs too much time and if you are not synchronized you will see only wild characters on the screen.

I could read two times my own call but after a one or two seconds I lost the sync. For my understanding it□s possible to synchronize the starting sequence within +/- Hz. But it□s not possible to do that during a transmission (like a AFC).

The VHF bandwidth is exactly 1500Hz. You can see some screenshots on my SatBlog http://www.dk3wn.info/p/?p=13368

It was worth a try.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Luc Leblanc
Gesendet: Donnerstag, 11. März 2010 04:00
An: amsat-bb@...
Cc: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] RE:New digital mode ROS - Satellites ?

From: Trevor .m5aka
Date: Sat, 20 Feb 2010 09:45:18 +0000 (GMT)

ROS is a digital spread spectrum mode but with a narrow tota occupied bandwidth. Current activity takes place on USB frequencies: 3.600, 7.053, 14.101, 28.300.

It can automatically synchronizes within a range of + -200 Hz so may be a better mode for satellite working than PSK31.

Further details at:

New amateur radio digital mode - ROS
http://www.southgatearc.org/news/february2010/ros.htm

73 Trevor M5AKA

I am planning to test the mode over satellite using two program running at the same time one on the uplink and another on the downlink.
If in the mean time someone "Out of the US) want to give it a try just contact me off list.
Thank's

From QRZ.com

http://www.arrl.org/news/stories/2010/03/04/11377/?nc=1

In mid-February, European amateurs first used a new, experimental digital mode known as ROS. On February 23, 2010 -- after FCC review of the original documents provided from the developer's Web site -- the FCC made the following statements on ROS:

"Section 97.305 is the rule that specifies where different emission types are allowed to be transmitted on different bands. 'ROS' is viewed as 'spread spectrum,' and the creator of the system describes it as that. We assume that he knows what he created. [Section] 97.305 authorizes spread spectrum emission types (defined in Section 97.3) to be transmitted by FCC licensed amateur stations at places we regulate communications only on 222-225 MHz and higher frequency amateur bands. European telecommunication regulatory authorities may authorize amateur stations in Europe to use SS on the HF bands, but this is of no concern to us. The Commission does not determine if a particular mode 'truly' represents spread spectrum as it is defined in the rules. The licensee of the station transmitting the emission is responsible for determining that the operation of the station complies with the rules. This would include determining the type of emission the station is transmitting and that the frequencies being used are authorized for that type of emission."

Since that initial FCC review, several Internet sites have reported a claim -- attributed to the FCC -- that the original statements made had been reconsidered and that the FCC view was now that "ROS cannot be viewed as Spread Spectrum and it would be encompassed within Section 97.309 (RTTY and data emissions codes)."

When queried about this new statement, the FCC's Consumer Assistance Office stated that "[T]he information contained on the ROS Web site was not provided by the FCC." They then reaffirmed the original statements that originated from the FCC's Wireless Bureau, which handles Amateur Radio rules for the US.

The ARRL supports -- as one of the basic purposes of Amateur Radio -- the experimentation and advancing the technical skills of operators.
The development and use of any new mode is exciting to many amateurs, and the League encourage amateurs to experiment within the parameters of the rules; however, the ARRL also reminds US licensees that according to Section 97.307, spread spectrum communications are only permissible in the US on frequencies above 222 MHz.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3263. RE: [eu-amsat] RE:New digital mode ROS - Satellites ?

Yahoo group: eu-amsat
Date: 2010-03-25 18:09:39 UTC
From: Simon HB9DRV
Topic: 3240 Message: 3263

How good was your Doppler correction?

Simon Brown, HB9DRV

http://sdr-radio.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Mike Rupprecht

today I tried to experiment with ROS over FO-29. It was not successful.

3264. AW: [eu-amsat] RE:New digital mode ROS - Satellites ?

Yahoo group: eu-amsat
Date: 2010-03-25 18:17:33 UTC
From: Mike Rupprecht
Topic: 3240 Message: 3264
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Simon,

WISAT32 (SatPC32) did the Doppler correction of my FT-736R

It was a low 30 deg pass.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Simon HB9DRV
Gesendet: Donnerstag, 25. März 2010 19:10
An: eu-amsat@yahoogroups.com; amsat-bb@...
Betreff: RE: [eu-amsat] RE:New digital mode ROS - Satellites ?

How good was your Doppler correction?

Simon Brown, HB9DRV

http://sdr-radio.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Mike Rupprecht

today I tried to experiment with ROS over FO-29. It was not successful.

3265. AMSAT-DL symposium

Yahoo group: eu-amsat
Date: 2010-03-25 18:40:19 UTC
From: Eric Knaps, ON4HF
Topic: 3265 Message: 3265

Hello group,

Is there any Belgian station that want to join me to the AMSAT-DL symposium on april 24th this year?
I don't like to drive alone and with a few guys it's more fun.
You can mail me off list for details...

The AMSAT-DL Symposium and AGM will be held in the radome of the spectacular 20 metre dish at Bochum.

The event takes place on Saturday April 24, 2010 from 10:00 to 17:00 local time.

There will be a lecture programme and an update on AMSAT-DL projects and the results of the joint study between AMSAT-DL and the Federal Republic of Germany Research Center for Aeronautics and Astronautics (DLR).

For further details of the Symposium including directions see
http://tinyurl.com/ykezgjj

AMSAT-DL in Google English
http://tinyurl.com/AMSAT-DL

Federal Republic of Germany Research Center for Aeronautics and Astronautics (DLR)
http://tinyurl.com/GermanyDLR

GO-Mars with AMSAT-DL's P5A Mission - Pixel Page
http://ticket-to-mars.org/index.pl?lang=en_EN

73,
Eric.

--
Amateur radio station ON4HF
Satellite manager UBA
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

www.on4hf.be

3266. New satellite forum online.

Yahoo group: eu-amsat
Date: 2010-03-25 19:53:44 UTC
From: Eric Knaps, ON4HF
Topic: 3266 Message: 3266

Hello,

A few minutes ago a new satellite forum was born.

http://www.on4hf.be/forum

Feel free to register and have fun with it!

73,
Eric.

--
Amateur radio station ON4HF
Satellite manager UBA
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

www.on4hf.be

3267. AW: [eu-amsat] AMSAT-DL symposium

Yahoo group: eu-amsat
Date: 2010-03-25 20:09:28 UTC
From: Mike Rupprecht
Topic: 3265 Message: 3267
Attachments: 2 described; binary payloads are missing from this source WARC

Here is the Agenda (sorry, in German) :

10.00 Uhr ANDE-2 Mission (Castor und Pollux)

Mike Rupprecht, DK3WN

Henk Hamoen, PA3GUO

10.45 Uhr COMPASS-2

Compass-Team

11.05-11.15 Uhr Kaffeepause

11.15 Uhr Orbit- und Lagesimulation mit STK und Matlab

Tilman Glötzner, DG2TG

12.00 Uhr Telemetrie- und Kommandobetrieb mit der IHU3

für P3E ☐ ein Fortschrittsbericht

Mario Lorenz, DL5MLO

12.45-14.00 Uhr Mittagspause

14.00-16.30 Uhr AMSAT-DL Mitgliederversammlung mit folgender
Tagesordnung**:

1. Begrüßung

2. Vorstandsbericht mit Vorträgen zur gemeinsamen Studie

DLR und AMSAT

3. Kassenbericht und Kassenprüfbericht

4. Entlastung des Vorstandes

5. Drei Anträge zu Satzungsänderungen

6. Aussprache und Verschiedenes

**Gäste sind zu unserer Mitgliederversammlung willkommen!

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von Eric Knaps, ON4HF
Gesendet: Donnerstag, 25. März 2010 19:40
An: amsat-bb@...; eu-amsat@yahoogroups.com;

"fm-satellite"@yahoogroups.com
Betreff: [eu-amsat] AMSAT-DL symposium

Hello group,

Is there any Belgian station that want to join me to the AMSAT-DL symposium on april 24th this year?
I don't like to drive alone and with a few guys it's more fun.
You can mail me off list for details...

The AMSAT-DL Symposium and AGM will be held in the radome of the spectacular 20 metre dish at Bochum.

The event takes place on Saturday April 24, 2010 from 10:00 to 17:00 local time.

There will be a lecture programme and an update on AMSAT-DL projects and the results of the joint study between AMSAT-DL and the Federal Republic of Germany Research Center for Aeronautics and Astronautics (DLR).

For further details of the Symposium including directions see
http://tinyurl.com/ykezgjj

AMSAT-DL in Google English
http://tinyurl.com/AMSAT-DL

Federal Republic of Germany Research Center for Aeronautics and Astronautics (DLR)
http://tinyurl.com/GermanyDLR

GO-Mars with AMSAT-DL's P5A Mission - Pixel Page
http://ticket-to-mars.org/index.pl?lang=en_EN

73,
Eric.

--
Amateur radio station ON4HF
Satellite manager UBA
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

www.on4hf.be

3268. Re: [eu-amsat] New satellite forum online.

Yahoo group: eu-amsat
Date: 2010-03-25 22:06:14 UTC
From: Thomas Frey
Topic: 3266 Message: 3268

Eric Knaps, ON4HF schrieb:
> Hello,
>
> A few minutes ago a new satellite forum was born.
>
> http://www.on4hf.be/forum
>
> Feel free to register and have fun with it!
>
> 73,
> Eric.
>
>

Hello Eric

What is the intention of your new forum ? We are a very good group here and can discuss about all satellite themes and often more.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3269. Suggestions

Yahoo group: eu-amsat
Date: 2010-03-26 09:15:45 UTC
From: John Hackett
Topic: 3269 Message: 3269

Group,
Anyone wishing to suggest ways of improving our group is of course very welcome to do so.

IMO starting an additional group - unless it was a 'specialised' group - would only serve to split the ranks ... however, that being said, but this group is a FREE forum and people are encouraged to do as they see fit.

Here - 'constructive' criticism is most welcome.

I support Thomas's comment.

73 John. <la2qaa@...>

3270. Re: [eu-amsat] New satellite forum online.

Yahoo group: eu-amsat
Date: 2010-03-26 17:26:49 UTC
From: Eric Knaps, ON4HF
Topic: 3266 Message: 3270

Hello Thomas,

I started this forum mainly for Belgian sat users. As satellite manager
i wanted to create a place where you can find info and discuss about
satellite stuff.
In less then 24 hours there are 35 registered users, so i guess there is
intrest for this.

73,
Eric.

Amateur radio station ON4HF
Satellite manager UBA
Eric Knaps
Waterstraat 30
B-3980 Tessenderlo
Belgium

Tel. +32472985876 (mobile)

www.on4hf.be

Op 25/03/2010 23:06, Thomas Frey schreef:
>
> Eric Knaps, ON4HF schrieb:
> > Hello,
> >
> > A few minutes ago a new satellite forum was born.
> >
> > http://www.on4hf.be/forum <http://www.on4hf.be/forum>
> >
> > Feel free to register and have fun with it!
> >
> > 73,
> > Eric.
> >
> >
>
> Hello Eric
>
> What is the intention of your new forum ? We are a very good group
> here and can discuss about all satellite themes and often more.
>
> --
>
> Mit freundlichen Gr?ssen, Regards, 73

> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/ <http://home.datacomm.ch/th.frey/>
>
>

3271. RE: [eu-amsat] New satellite forum online.

Yahoo group: eu-amsat
Date: 2010-03-26 19:25:45 UTC
From: Al copland
Topic: 3266 Message: 3271

Hi Eric,

So you are happy to advertise on an existing forum for your new one. Not quite in the true spirit of Amateur radio IMHO.
Fortunately we are NOT AMSAT-NA and don't have an 'acceptable use' policy. We leave that sort of thing to the conscience of our members. After all, there is such a thing, and we should not forget it.

Lastly, thank you Thomas, for your support for the EU-AMSAT forum. It is appreciated.

73 Al.
GM1SXX

To: eu-amsat@yahoogroups.com
From: on4hf@...
Date: Fri, 26 Mar 2010 18:26:49 +0100
Subject: Re: [eu-amsat] New satellite forum online.

Hello Thomas,

I started this forum mainly for Belgian sat users. As satellite manager
i wanted to create a place where you can find info and discuss about
satellite stuff.

In less then 24 hours there are 35 registered users, so i guess there
is intrest for this.

73,

Eric.

Amateur radio station ON4HF
Satellite manager UBA
Eric Knaps
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B-3980 Tessenderlo
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Tel. +32472985876 (mobile)

www.on4hf.be

Op 25/03/2010 23:06, Thomas Frey schreef:

Eric Knaps, ON4HF schrieb:

> Hello,

>

> A few minutes ago a new satellite forum was born.

>

> http://www.on4hf.be/forum

>

> Feel free to register and have fun with it!

>

> 73,

> Eric.

>

>

Hello Eric

What is the intention of your new forum ? We are a very good group

here and can discuss about all satellite themes and often more.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

_____
Do you have a story that started on Hotmail? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3272. AO-7 Resource Page.

Yahoo group: eu-amsat
Date: 2010-03-27 11:43:42 UTC
From: John Hackett
Topic: 3272 Message: 3272

From: john hackett (la2qaa@...)
Sent: Saturday, March 27, 2010 12:27:36 PM
To: amsat-bb@...
Cc: eu-amsat@...m
To whom it may concern,
I no longer edit the AO-7 Resource Page.

73 John. <la2qaa@...>
.....
.....

> Subject: AO-7 Logbook Website Contact - AO-7 Info For Site
> To: emily@...; la2qaa@...
> From: postmaster@planetemily.com
> Date: Fri, 26 Mar 2010 10:20:34 -0700
>
> The following message was received from the AO-7 Logbook website on 26 Mar, 2010 at 10:20
.....
.....

Message delete, it was spam.

73 LA2QAA.

3273. ao-51 crash?

Yahoo group: eu-amsat
Date: 2010-03-28 22:47:48 UTC
From: Luc Leblanc
Topic: 3273 Message: 3273

At 2234UTC while AO-51 was in command mode (WOD data tranfer) the satellite crash on both downlink frequencies. It happen i think a lot of
time when the satellite is in this command mode and/or WOD downlink. Could be this WOD data collection can be done elsewhere on earth as
it will be a good backup if the usual NA command station became unavailable eg: silent key in the worse scenario?

It will not solved the crashing issues but it will give NA users more up time but but but the power of controlling often overcome the well
being of the crowds.

Posted on AMSAT-EU for an immediate and uncensored posting
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3274. AO-51 crashed update

Yahoo group: eu-amsat
Date: 2010-03-28 22:53:09 UTC
From: Luc Leblanc
Topic: 3274 Message: 3274

Unconfirmed report seems to confirm operation switch happen earlier than planned on the schedule. It should be now on S/V mode only
explaining the sudden cutoff of all the UHF downlink.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3275. Re: [eu-amsat] PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-29 10:09:04 UTC
From: Thomas Frey
Topic: 3244 Message: 3275

Hello Al and group

I get a reaction in the AMSAT-DL Forum from Martin, a student at
the TU Dresden. I will only repeat the technical aspect here.

He writes, the power consumption of 650mA at 3.6V standby is too
high for a single Cubesat. The power from solar cells would be
too bare or not enough. There are also other power consuming
modules in the satellite. But intermittent operation would be
possible.

Al copland schrieb:
>
>
> Thanks Thomas.
>
> William has devoted a lot of his time, money and energy into his
> linear transponder project. He's already demonstrated the transponder
> unit at JARL and I think his next major demonstration venue will be in
> China. You can also see his transponder in action on Youtube. Try
> typing in 'PE1RAH or 'transponder'. His earlier PICOSAT transponder
> design was hand-soldered but the new LE-005 model is reflow-soldered.
>
> 73 Al.
> GM1SXX
>
>
> > > See..
> > > http://www.leijenaarelectronics.nl/
> > > for more information. Please spread the word in the amateur
> satellite community.
> > >
> > > 73 Al.
> > > GM1SXX
> > >
> > >
> >
> > Hello Al
> >
> > I did it to the AMSAT-DL Forum with a few words about the Uni's and
> > their Cubesats.
> >

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3276. Cubesats and power consumption.

Yahoo group: eu-amsat
Date: 2010-03-29 10:27:55 UTC
From: John Hackett
Topic: 3244 Message: 3276

Hello Thomas,
Interesting post and well done! that you post to the Amsat-DL forum.

By the way, Al has always advocated that a single cubesat is inadequate, regarding power consumption - WITH THE CURRENT TECHNOLOGY.

I think Delphi-3 brought home this fact quite clearly.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Mon, 29 Mar 2010 12:09:04 +0200
Subject: Re: [eu-amsat] PE1RAH Satellite Transponder

Hello Al and group

I get a reaction in the AMSAT-DL Forum from Martin, a student at

the TU Dresden. I will only repeat the technical aspect here.

He writes, the power consumption of 650mA at 3.6V standby is too

high for a single Cubesat. The power from solar cells would be

too bare or not enough. There are also other power consuming

modules in the satellite. But intermittent operation would be

possible.

Al copland schrieb:

>

>

> Thanks Thomas.

>

> William has devoted a lot of his time, money and energy into his

> linear transponder project. He's already demonstrated the transponder

> unit at JARL and I think his next major demonstration venue will be in

> China. You can also see his transponder in action on Youtube. Try

> typing in 'PE1RAH or 'transponder'. His earlier PICOSAT transponder

> design was hand-soldered but the new LE-005 model is reflow-soldered.

>

> 73 Al.

> GM1SXX

>

>

> > > See..

> > > http://www.leijenaarelectronics.nl/

> > > for more information. Please spread the word in the amateur

> satellite community.

> > >

> > > 73 Al.

> > > GM1SXX

> > >

> > >

> >

> > Hello Al

> >

> > I did it to the AMSAT-DL Forum with a few words about the Uni's and

> > their Cubesats.

> >

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3277. AO-51 down under

Yahoo group: eu-amsat
Date: 2010-03-31 08:45:29 UTC
From: murrayhely
Topic: 3277 Message: 3277

I put this on amsatvk

Yep, Had my first contact tonight on mode S.
It was the far west pass max elevation of 5deg
from ZL. I had a shakey contact with Alex VK5ALX.

My Galaxy converter does not seem very sensitive
but I made the grade using a UBC72 scanner with
18 frequencies programed into it center frequecy
being 450.2 MHz

Thanks Alex. least we made it if only just my end !

73 Murray ZL3MH Christchurch NZ

3278. Mode S AO-51 downunder

Yahoo group: eu-amsat
Date: 2010-03-31 08:47:22 UTC
From: murrayhely
Topic: 3278 Message: 3278

I put this on amsatvk

Yep, Had my first contact tonight on mode S.
It was the far west pass max elevation of 5deg
from ZL. I had a shakey contact with Alex VK5ALX.

My Galaxy converter does not seem very sensitive
but I made the grade using a UBC72 scanner with
18 frequencies programed into it center frequecy
being 450.2 MHz

Thanks Alex. least we made it if only just my end !

73 Murray ZL3MH Christchurch NZ

3279. Mode S AO-51 downunder

Yahoo group: eu-amsat
Date: 2010-03-31 08:47:23 UTC
From: murrayhely
Topic: 3278 Message: 3279

I put this on amsatvk

Yep, Had my first contact tonight on mode S.
It was the far west pass max elevation of 5deg
from ZL. I had a shakey contact with Alex VK5ALX.

My Galaxy converter does not seem very sensitive
but I made the grade using a UBC72 scanner with
18 frequencies programed into it center frequecy
being 450.2 MHz

Thanks Alex. least we made it if only just my end !

73 Murray ZL3MH Christchurch NZ

3280. Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-31 11:22:20 UTC
From: m5aka
Topic: 3244 Message: 3280

Hi Thomas,

He doesn't say which type of solar panel he is talking about, the efficiencies of different types vary dramatically.

He's certainly correct that low efficiency panels wouldn't supply enough power, you'd have to use one of the higher efficiency types which can give twice the power.

Fold-out panels may be another way of increasing power further.

73 Trevor M5AKA

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Al and group
>
> I get a reaction in the AMSAT-DL Forum from Martin, a student at
> the TU Dresden. I will only repeat the technical aspect here.
>
> He writes, the power consumption of 650mA at 3.6V standby is too
> high for a single Cubesat. The power from solar cells would be
> too bare or not enough. There are also other power consuming
> modules in the satellite. But intermittent operation would be
> possible.
>

3281. Re: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-31 14:32:24 UTC
From: Thomas Frey
Topic: 3244 Message: 3281

m5aka schrieb:
> Hi Thomas,
>
> He doesn't say which type of solar panel he is talking about, the efficiencies of different types vary dramatically.
>
> He's certainly correct that low efficiency panels wouldn't supply enough power, you'd have to use one of the higher efficiency types which can give twice the power.
>
> Fold-out panels may be another way of increasing power further.
>
> 73 Trevor M5AKA
>

Hi Trevor

OK, but its a question of money I think. We are hobbyists and the universities have also their budget.

> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> Hello Al and group
>>
>> I get a reaction in the AMSAT-DL Forum from Martin, a student at
>> the TU Dresden. I will only repeat the technical aspect here.
>>
>> He writes, the power consumption of 650mA at 3.6V standby is too
>> high for a single Cubesat. The power from solar cells would be
>> too bare or not enough. There are also other power consuming
>> modules in the satellite. But intermittent operation would be
>> possible.
>>
>>
>
I wish William, PE1RAH, good luck with his business.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3282. RE: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-31 19:22:36 UTC
From: Al copland
Topic: 3244 Message: 3282

Hi group,

> To: eu-amsat@yahoogroups.com
> From: th.frey@...
>
Date: Wed, 31 Mar 2010 16:32:24 +0200
> Subject: Re: [eu-amsat]
Re: PE1RAH Satellite Transponder
>
> m5aka schrieb:
>
> Hi Thomas,
> >
> > He doesn't say which type of
solar panel he is talking about, the efficiencies of different types
vary dramatically.
> >
> > He's certainly correct that
low efficiency panels wouldn't supply enough power, you'd have to use
one of the higher efficiency types which can give twice the power.
>
>

How much is enough?

A Cubesat with modern high efficiency cells can supply an average power
of over 2 watts in sunlight. The problem is that the battery guzzles
quite a bit of that, along with other systems, to provide 'housekeeping'
and power when in eclipse, so 650ma may indeed seem a bit greedy to
supply what is really the primary payload.. the transponder.

'Matrushka' type panels I've already described earlier. These are use
extensively in commercial birds, to very good effect. Ditto pop-out ones
wrapped around a smaller panel-clad core.

Power consumption is not such an issue for CUBESATS if you delete
other power hungry items, especially the (inefficient) batteries and
the IHU.

Let's face it, batteries effectively kill many otherwise useful
satellite missions. Check your history.. Google will befriend you.

AO7 'got lucky' but is very much the exception rather than the rule.

Do you really *need* an IHU on a simple sat? I'd respectfully suggest
not. A command RX and some simple command logic would be perfectly
adequate. Worked for AO7 and would be far easier to implement now.

Ditto the battery. They are nothing but trouble... in the long term.

If you fly a simplesat... command and control + transponder , aerials and solar panels, the volume (and mass) saved by deleting the extras (including battery and IHU) can be put to excellent use for extra power generation. The price you pay in one sense is that it's a daylight-only bird, which IMO actually adds to the fun element. The upside is that battery failure can't kill such a bird, as it does with very many others. No battery... simples! In a suitable orbit it could last a very long time indeed. The real problem is not actually power consumption, it's finding a suitable launch into a decently high orbit, even for a puny 1U CUBESAT bird. Most CUBESATS end up in very low and short-lived orbits, thankfully for me, because IMO they are not really amateur radio birds at all.

I've said for a long time that the CUBESAT format is really too small for a linear bird. Go to a *8*8*8 inch CUBE and things suddenly look VERY different. Resist the urge to add mass, and an 8*8*8 lightsat in LEO could do great things for us all.. with or without batteries. (The death of batteries is inevitable... wet chemistry). I'd delete them. Simple is often best IMHO.

A few years of 24*7 operation (with batteries) or decades of operation (without). That's one choice we face. For me at least, it's a no brainer. The 'designers' wont like it of course because simplicity lacks 'challenge' but I'm pretty sure the users would like such a bird.

Molniyas? They are consigned to history. The future is small and circular. Unless of course a miracle takes place. I think we'd best get used to reality.

73 Al.

GM1SXX

_____
Got a cool Hotmail story? Tell us now
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3283. Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-03-31 21:32:58 UTC
From: st2nh
Topic: 3244 Message: 3283

HI ALL

What a bout Supper-capacitor !!

Yes it supply high current in short time !!!

73's Nader

--- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
>
>
> Hi group,
>
>
> > To: eu-amsat@...m
> > From: th.frey@...
> >
> Date: Wed, 31 Mar 2010 16:32:24 +0200
> > Subject: Re: [eu-amsat]
> Re: PE1RAH Satellite Transponder
> >
> > m5aka schrieb:
> >
> > Hi Thomas,
> > >
> > > He doesn't say which type of
> solar panel he is talking about, the efficiencies of different types
> vary dramatically.
> > >
> > > He's certainly correct that
> low efficiency panels wouldn't supply enough power, you'd have to use
> one of the higher efficiency types which can give twice the power.
> >
> >
>
>
> How much is enough?
>
>
>
> A Cubesat with modern high efficiency cells can supply an average power
> of over 2 watts in sunlight. The problem is that the battery guzzles
> quite a bit of that, along with other systems, to provide 'housekeeping'
> and power when in eclipse, so 650ma may indeed seem a bit greedy to
> supply what is really the primary payload.. the transponder.
>

>
>
> 'Matrushka' type panels I've already described earlier. These are use
> extensively in commercial birds, to very good effect. Ditto pop-out ones
> wrapped around a smaller panel-clad core.
>
>
>
> Power consumption is not such an issue for CUBESATS if you delete
> other power hungry items, especially the (inefficient) batteries and
> the IHU.
>
> Let's face it, batteries effectively kill many otherwise useful
> satellite missions. Check your history.. Google will befriend you.
>
> AO7 'got lucky' but is very much the exception rather than the rule.
>
>
>
> Do you really *need* an IHU on a simple sat? I'd respectfully suggest
> not. A command RX and some simple command logic would be perfectly
> adequate. Worked for AO7 and would be far easier to implement now.
> Ditto the battery. They are nothing but trouble... in the long term.
>
>
>
> If you fly a simplesat... command and control + transponder , aerials
> and solar panels, the volume (and mass) saved by deleting the extras
> (including battery and IHU) can be put to excellent use for extra power
> generation. The price you pay in one sense is that it's a daylight-only
> bird, which IMO actually adds to the fun element. The upside is that
> battery failure can't kill such a bird, as it does with very many
> others. No battery... simples! In a suitable orbit it could last a very
> long time indeed. The real problem is not actually power consumption,
> it's finding a suitable launch into a decently high orbit, even for a
> puny 1U CUBESAT bird. Most CUBESATS end up in very low and short-lived
> orbits, thankfully for me, because IMO they are not really amateur radio
> birds at all.
>
>
>
> I've said for a long time that the CUBESAT format is really too small
> for a linear bird. Go to a *8*8*8 inch CUBE and things suddenly look
> VERY different. Resist the urge to add mass, and an 8*8*8 lightsat in
> LEO could do great things for us all.. with or without batteries. (The
> death of batteries is inevitable... wet chemistry). I'd delete them.
> Simple is often best IMHO.
>
>
>

> A few years of 24*7 operation (with batteries) or decades of operation (without).
> That's one choice we face. For me at least, it's a no brainer. The
> 'designers' wont like it of course because simplicity lacks 'challenge'
> but I'm pretty sure the users would like such a bird.
>
>
>
> Molniyas? They are consigned to history. The future is small and
> circular. Unless of course a miracle takes place. I think we'd best get
> used to reality.
>
>
>
> 73 Al.
>
> GM1SXX
>
>
>
>
>
> _____
> Got a cool Hotmail story? Tell us now
> http://clk.atdmt.com/UKM/go/195013117/direct/01/
>

3284. Operating AO-51 From down under

Yahoo group: eu-amsat
Date: 2010-04-01 06:48:21 UTC
From: murrayhely
Topic: 3284 Message: 3284

Hi All

Operate S band is a nightmare with my insensitive
Galaxy Converter and my Uniden UBC72 scanner

I have to track the satellite manually . I have brand new
Keps and Timing from the last pip on National Radio
(same as ABC in Oz). As I am not a repeater or FM
person I do not have tuneable UHF FM gear.

The scanner is set to 6.25 kc channel spacing at 450 MHz

Start of pass

Ch1 450.250 MHz Start AOS
Ch2 450.243 MHz
Ch3 450.237 MHz
Ch4 450.231 MHz
Ch5 450.225 MHz
Ch6 450.218 MHz
Ch7 450.212 MHz
Ch8 450.206 MHz
Ch9 450.200 MHz Mid Point
Ch10 450.193 MHz
Ch11 450.187 MHz
Ch12 450.181 MHz
Ch13 450.175 MHz
Ch14 450.168 MHz
Ch15 450.162 MHz
Ch16 450.156 MHz
Ch17 450.150 MHz End LOS

I have worked VK5ALX and ZL2BX so far. My
operating time has been very limited because my
wife is sleeping for night shift and the rotators
on the roof are to noisy to operate when see is
asleep.

All the Best Murray ZL3MH

3285. RE: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-01 06:59:35 UTC
From: Al copland
Topic: 3244 Message: 3285

> Subject: [eu-amsat] Re: PE1RAH Satellite Transponder
>
> HI ALL
>
> What a bout Supper-capacitor !!
>
> Yes it supply high current in short time !!!
>
> 73's Nader
>

Have you considered how such a capacitor functions? At the moment, the technology is nowhere near good enough, and would we really want it?

If you look carefully Nader, you will realise that a 'super-capacitor' is made from thin-film 'wet' technology also. It is simply a 'wet' electrolytic, works just like like a conventional one, but has a far thinner dielectric layer and a far greater surface area. What do you think will happen when such a thin film device takes repeated hits from energetic particles? I suspect it will fail. Consider also that electrolyte loss will lead to loss of capacitance over time.. like any electrolytic does, and just like batteries do. Supercapacitors are not small, or lightweight either.

If you wish to build a small craft that will operate reliably for tens of years, yet provide adequate electrical power from a small CUBE, it's makes sense to simply omit the high risk components that ordinarily kill satellite missions.. wherever possible. You then gain useful volume (and mass) back that can provide greater solar power, when in sunlight. With no CPU to be killed by radiation and no batteries to fail, you would already be in a far stronger position to create a long-lived mission. A CPU is not at all necessary on such a mission, and although it would displease some, dispensing with a battery represents a strong gain for longevity also. One factor that would need to be addressed for such a mission is the degradation of the solar arrays by radiation, but modern (and very low mass) methods such as nitriding can help here.

This idea would best serve long lived missions in reasonably high LEO, such as the Russians get to with their near-polar launches to around 1000KMs from Plesetsk. You could have a long lived linear transponder mission, and I mean *long*, perhaps 30+ years...for very little outlay (in relative terms), so long as you can stay with daylight only operation.

73 Al.
GM1SXX

.

_____
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http://clk.atdmt.com/UKM/go/195013117/direct/01/

3286. Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-01 08:05:10 UTC
From: m5aka
Topic: 3244 Message: 3286

--- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
> Do you really *need* an IHU on a simple sat? I'd respectfully
> suggest not. A command RX and some simple command logic would
> be perfectly adequate.

No-one mentioned having a power guzzling CPU, we're talking about a Communications Satellite, you don't need masses of CPU power for that.

Do you see now why I'm convinced that 1U CubeSat linear transponders are perfectly feasible. BTW with the right solar cells you can get about 2.5 watts and there is room for a 3.6v battery. The trick would be to handle the battery failure so the CubeSat kept going when it failed. That way you'd get the best of both worlds, continuous availability for maybe as long as 5 years and after that only operating when illuminated.

Everyone agrees we'd like higher orbits and I'd contend that 1U CubeSats stand a far better chance of getting a cheap launch to a 1400 km orbit than a far larger satellite would. Sure the signal would be weaker but that's an acceptable trade-off.

Anyway I'm hopeful that in a few years time amateurs will be building 3U CubeSats with propulsion systems to get us up to elliptical orbits of 700 * 1500 km, or who knows maybe even 700 * 8000 km. The additional solar panel area on a 3U would give the capability of running far higher downlink powers than 1U CubeSats can.

73 Trevor M5AKA

3287. Re: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-01 10:27:47 UTC
From: Thomas Frey
Topic: 3244 Message: 3287

Hello All

The initial idea was to add a linear transponder to an university experiment like the Uni Delft does with Delfi3C. This is not easy as we can see. DO-64 is QRT.

At the moment the only HAM-CubeSat with a linear transponder in relative near
future will be FunCube. If we want to have such CubeSats in the orbit then we have to f(i/ou)nd an AMSAT-organisation who is willing to start such a project.
This needs manpower, optimism, much time and money. Otherwise we can discuss our dreams here until we have white hair. ;-)

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, Al copland<allan_gm1sxx@...> wrote:
>
>> Do you really *need* an IHU on a simple sat? I'd respectfully
>> suggest not. A command RX and some simple command logic would
>> be perfectly adequate.
>>
> No-one mentioned having a power guzzling CPU, we're talking about a Communications Satellite, you don't need masses of CPU power for that.
>
> Do you see now why I'm convinced that 1U CubeSat linear transponders are perfectly feasible. BTW with the right solar cells you can get about 2.5 watts and there is room for a 3.6v battery. The trick would be to handle the battery failure so the CubeSat kept going when it failed. That way you'd get the best of both worlds, continuous availability for maybe as long as 5 years and after that only operating when illuminated.
>
> Everyone agrees we'd like higher orbits and I'd contend that 1U CubeSats stand a far better chance of getting a cheap launch to a 1400 km orbit than a far larger satellite would. Sure the signal would be weaker but that's an acceptable trade-off.
>
> Anyway I'm hopeful that in a few years time amateurs will be building 3U CubeSats with propulsion systems to get us up to elliptical orbits of 700 * 1500 km, or who knows maybe even 700 * 8000 km. The additional solar panel area on a 3U would give the capability of running far higher downlink powers than 1U CubeSats can.
>
> 73 Trevor M5AKA
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3288. RE: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-01 10:51:13 UTC
From: Al copland
Topic: 3244 Message: 3288

Hi Group.

> To: eu-amsat@yahoogroups.com
> From: m5aka@...
> Date: Thu, 1 Apr 2010 08:05:10 +0000
> Subject: [eu-amsat] Re: PE1RAH Satellite Transponder
>
> --- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
> > Do you really *need* an IHU on a simple sat? I'd respectfully
> > suggest not. A command RX and some simple command logic would
> > be perfectly adequate.
>
> No-one mentioned having a power guzzling CPU, we're talking about a Communications Satellite, you don't need masses of CPU power for that.
>

You don't need a CPU in a simple transponder satellite... period. But of course the 'designers' will always want to include one.

> Do you see now why I'm convinced that 1U CubeSat linear transponders are perfectly feasible. BTW with the right solar cells you can get about 2.5 watts and there is room for a 3.6v battery. The trick would be to handle the battery failure so the CubeSat kept going when it failed. That way you'd get the best of both worlds, continuous availability for maybe as long as 5 years and after that only operating when illuminated.

I disagree.

Actually you wouldn't get the best of both worlds. In reality, it's a bodge, simply because the battery you are suggesting, plus it's control system, occupies mass and volume that could far better serve power generation (and longevity) to compensate for the high-ish orbit. The battery only adds unreliability, while reducing the possible power generated.

Re CPUs. Some modern CPU are very energy-efficient, but since a simplesat doesn't actually *need* a CPU, why bother.

I imagine that you were talking about something else... perhaps FUNSAT? I most definitely wasn't mentioning FUNSAT... simply a better way to ensure a far longer life and more power from a puny little linear-transponder carrying CUBE.

Well Trevor, I can't agree with you that 1U CUBESATs with batteries and a 1W PEP linear transponder are feasible. Here's why. Firstly, quite a lot of the available power in sunlight(about 2.6 watts with efficient panels) is required to drive the battery to provide power in eclipse thereby leaving very little power to run the transponder.
Remember also that a 1W PEP linear transponder (in being linear!) consumes quite a bit of power... and the idea of flying battery and transponder suddenly looks rather ugly. Quite a bit of that power is simply converted to heat in the PA in order to keep things linear.
There's no room for HELAPS (yet) in a Cubesat :-)

The numbers don't add up, IMO for flying a 1W PEP linear transponder and battery in a 1U CUBE. Why don't you do some calculations and prove it to yourself?

The most obvious course to provide a long lived and useful linear CUBESAT is to delete the battery, not fly a CPU, and use the 'surplus' volume and mass freed up, to carry more solar generators. By doing this, you can run more downlink power and ensure / expect a long satellite life expectancy.

Agreed higher orbits are desirable, but the Russians already go there anyway, so why waste valuable mass and volume on unnecessary propulsion systems?

>
> Everyone agrees we'd like higher orbits and I'd contend
that 1U CubeSats stand a far better chance of getting a cheap launch to a
1400 km orbit than a far larger satellite would. Sure the signal would
be weaker but that's an acceptable trade-off.

Agreed.

73 Al.
GM1SXX

_____
Tell us your greatest, weirdest and funniest Hotmail stories
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3289. A flying Biscuit tin?

Yahoo group: eu-amsat
Date: 2010-04-01 15:13:07 UTC
From: Al copland
Topic: 3244 Message: 3289

Hi Group.

Thomas said...

> If we want to have such CubeSats in the orbit then

I don't. But AMSAT-UK clearly do.

> we have to f(i/ou)nd an AMSAT-organisation who is willing to start such
> a project.
> This needs manpower, optimism, much time and money. Otherwise we can discuss
> our dreams here until we have white hair. ;-)

Very true Thomas, but the current situation is that launches *do* cost market rates so we are effectively constrained by that to build small projects. That said, the CUBESAT format is really too small to serve us well. We all know this, but we still try to make a silk purse out of a sow's ear. AMSAT-UK *is* planning one, and I wish them luck. I suspect they will need it.

When I joined AMSAT-UK as A-UK #3286, I had lots of hair. In fact enough to reach down my back, in a 'pony-tail'. These days, I'm sad to say, I have almost none at all, and what little I do have is a shade of grey. In that time, we have had three Molniyas launched including AO-10 and AO-13. This of course omits P3-A which was lost in a launch accident. Then there was Oscar40. Ah well! I'm not sure such projects are financially viable any longer, so people look around and see.....ummm!.... CUBESATs.

The triple CUBESAT format is really not an ideal one for a linear transponder bird either, but a 150 or 230mm square CUBE is a completely different proposition, because of the considerably improved surface area = power available, so long as the mass can be driven as low as possible. It's very easy to do the arithmetic to see why.

Should we not then consider a 'large Cubesat' in LEO format? A flying 'biscuit tin' like AO51, is a lot more use to us than a flying 'Rubik cube'. This format has worked before for AMSAT with the Microsats, and works for AO51, but by employing the KISS technique to drive the mass down, rather than using the machined trays that the Microsats and AO51 did, the cost to 1000 KMs or higher would become much more attractive.

I do think all the avenues should be explored. There is no particular reason to stick with the standard CUBESAT model when alternatives clearly do exist. It's not really in our best interest to persist in hammering away at something thats only barely fesible.

73 Al.

GM1SXX

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http://clk.atdmt.com/UKM/go/195013117/direct/01/

3290. Re: [amsat-bb] Innovation in Amateur Radio + CubeSat Nanorack opportunity

Yahoo group: eu-amsat
Date: 2010-04-04 11:44:12 UTC
From: Luc Leblanc
Topic: 3290 Message: 3290

S band DATV

Better to be prepared than sorry!

Did anyone have an idea how to feed a DATV signal coming from the actual S band former TV converter eg: Transystem AIDC 3731A? They where
made for analog TV i think and i don't know if they will be usable for DATV? As the output is made for 75 Ohms regular cable TV set
connector i think any signal can be received on a standard TV set but with the modified IF output in the ham band or in the 123MHZ range it
fall into the regular TV set bandpass on 54 to 890 MHz. As per the specs it seems the AIDC 3731A is "digital ready" But is this digital is
in the same protocole than the already existing commercial digital protocole? On a French site they refer to a signal bandwidth of 48KHZ
that is too wide for any amateur radio standard rig but OK for a TV receiver but on other site they speak of 6MHZ!. Some search refer to
the MPEG2 protocole it is supported on various FTA receiver but QPSK in various flavor DVB-B DVB-C DVB-S is the mode reported on many site
in Europe but they confirm the QPSK DVB-S can be received with standard commercial digital receiver but not with the GMSK protocole (see
below for the links and info's)

TranSystem Inc., a world wide leader in MMDS/MDS technology, offers a complete line of PCS, WCS and radar filtering downconverters. Our
designs have been copeid by many, but the original out performs the rest. The digital ready AIDC easily integrates with parabolic antennas
or any of our esthetically correct antennas.

http://f1afz.fr/ao40/aidc3731/AIDC.htm
http://www.f1pry.fr/datv.htm
http://www.g7lwt.com/datv.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3291. Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-04 16:43:50 UTC
From: m5aka
Topic: 3244 Message: 3291

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> The initial idea was to add a linear transponder to an university
> experiment

Hi Thomas,

I was thinking of purely an Amateur Radio 1U CubeSat. An add-on linear transponder to an existing experimental CubeSat would be difficult in that size, however, here's a thought.

One thing experimental CubeSats would like to have is a high speed downlink. They are currently restricted to 1200 or 9600 bps.

What would be good would be a Software Defined linear transponder which could be configured initially as a high speed (around 128 kbs) downlink with a bandwidth of 30 kHz then after 6 months when the experimental mission is over it could act as a 30 kHz B/W linear transponder.

Drawbacks are power consumption, Software Defined transponders currently have a processing penalty of about 300 mw. Also although these days it's routine to transmit a raw data rate of 12400 bps in a 3 kHz bandwidth on HF SSB, amateurs have not yet expanded that scheme to operate over a 30 kHz bandwidth. However, I note that Eric Johnson has suggested a scheme for HF which gives 120 kbps after error correction in a 24 kHz bandwidth.
http://www.southgatearc.org/news/march2010/hfia_slides.htm

73 Trevor M5AKA

3292. Re: [eu-amsat] Re: PE1RAH Satellite Transponder

Yahoo group: eu-amsat
Date: 2010-04-04 22:05:48 UTC
From: Thomas Frey
Topic: 3244 Message: 3292

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> The initial idea was to add a linear transponder to an university
>> experiment
>>
> Hi Thomas,
>
> I was thinking of purely an Amateur Radio 1U CubeSat. An add-on linear transponder to an existing experimental CubeSat would be difficult in that size, however, here's a thought.
>

Hello Trevor

Agreed. This are also student Martin thoughts.

> One thing experimental CubeSats would like to have is a high speed downlink. They are currently restricted to 1200 or 9600 bps.
>
> What would be good would be a Software Defined linear transponder which could be configured initially as a high speed (around 128 kbs) downlink with a bandwidth of 30 kHz then after 6 months when the experimental mission is over it could act as a 30 kHz B/W linear transponder.
>
> Drawbacks are power consumption, Software Defined transponders currently have a processing penalty of about 300 mw. Also although these days it's routine to transmit a raw data rate of 12400 bps in a 3 kHz bandwidth on HF SSB, amateurs have not yet expanded that scheme to operate over a 30 kHz bandwidth. However, I note that Eric Johnson has suggested a scheme for HF which gives 120 kbps after error correction in a 24 kHz bandwidth.
> http://www.southgatearc.org/news/march2010/hfia_slides.htm
>
> 73 Trevor M5AKA
>
>

There is a DSP/SDR project: Xatcobeo. See
http://lostrego.uvigo.es/xatcobeoENG.php
and your own article:
http://www.southgatearc.org/news/june2008/spanish_cubesat.htm

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3293. QST ST2NH

Yahoo group: eu-amsat
Date: 2010-04-05 15:33:33 UTC
From: John Hackett
Topic: 3293 Message: 3293

Nader,
I believe you are an experienced WISP user. I have a question for you.

In the setup for HO-68 we have the broadcast callsign set to BJ1SA-11, the BBS callsign to BJ1SA-12 ...

What should I set the NUP - (New Upload Callsign) - to for HO-68 ??.

Even though this post is directed primarily at ST2NH, anyone else answering it will *NOT*be flogged at dawn.

I hope an enjoyable Easter was had by all - (for those that choose to believe that kind of thing) - and excessive amounts of 'choccy' Easter eggs were consumed.

If you've now got an upset stomach ... serves you right !!!.

73 John. <la2qaa@...>

3294. 20cm CubeSats

Yahoo group: eu-amsat
Date: 2010-04-05 18:24:44 UTC
From: m5aka
Topic: 3294 Message: 3294

20*20*20 cm CubeSats are being developed in some countries. These would provide plenty of solar power but at the price of significantly higher launch costs, an extra 60k+ Euros ?

Japan - Sprout
http://tinyurl.com/JapanSPROUT

Canada - University of Toronto Institude for Aerospace Studies
http://www.utias-sfl.net/SpecialProjects/LaunchIndex.html

See the video of the presentation 'Nanosatellites at the University of Toronto Institude for Aerospace Studies' given by Freddy Pranajaya at the 2009 AMSAT-UK Colloquium in Guildford.

At http://www.batc.tv/
Select "Film Archive"
Next Select "2009 AMSAT Nanosatellites

73 Trevor M5AKA

3295. Re: QST ST2NH

Yahoo group: eu-amsat
Date: 2010-04-05 18:55:34 UTC
From: st2nh
Topic: 3293 Message: 3295

Hi John & ALL & happy Easter.

NUP = New Upload Protocol
This is the callsign used by the New Upload Protocol for uploading files to the spacecraft.

For BBS user, leave it empty!

73's Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Nader,
> I believe you are an experienced WISP user. I have a question for you.
>
> In the setup for HO-68 we have the broadcast callsign set to BJ1SA-11, the BBS callsign
> to BJ1SA-12 ...
>
> What should I set the NUP - (New Upload Callsign) - to for HO-68 ??.
>
> Even though this post is directed primarily at ST2NH, anyone else answering it will
> *NOT*be flogged at dawn.
>
> I hope an enjoyable Easter was had by all - (for those that choose to believe that kind
> of thing) - and excessive amounts of 'choccy' Easter eggs were consumed.
>
> If you've now got an upset stomach ... serves you right !!!.
>
> 73 John. <la2qaa@...>
>

3296. Thank you Nader.

Yahoo group: eu-amsat
Date: 2010-04-05 21:00:43 UTC
From: John Hackett
Topic: 3293 Message: 3296

Thanks Nader,
One of these days I'll be rejuvenating my old copy of WISP
on HO-68 when it's in Pacsat mode.

73 John. <la2qaa@...>

3297. HO-68. 080420101905Z

Yahoo group: eu-amsat
Date: 2010-04-08 17:47:10 UTC
From: John Hackett
Topic: 3297 Message: 3297

FOR INFORMATION ONLY.

Having just worked HO-68 on CW with simple (old fashioned) equipment, using the homebrew spice box keyer and manual doppler correction ... (yes, I also have automatic doppler correction but it's boring!. It was golden opportunity to try out some home made gear again) ... it was a pleasure to 'communicate', using what is known as "The Noble Art" again.

<http://www.observations.biz/Observations_from_Norway/observations_14_06_2008.htm>

I'd like to say what a wonderful satellite HO-68 is. FM for the newcomer, CW for the semi-senile old dodderers like me and 'digital' for those that are that way inclined.

I was using low power and on CW the standard of operating was a far cry above the FM 'zoo' found on AO-51. Nice to see there are still some CW operators out there.

Well done! Amsat China with HO-68 ... just what was needed to rejuvenate amateur satellite radio.

73 John. <la2qaa@...>

3298. Privet Igor. (RW3XL).

Yahoo group: eu-amsat
Date: 2010-04-08 19:05:58 UTC
From: John Hackett
Topic: 3298 Message: 3298

Privet Igor,
I'm hoping you'll pass along to all our Russian friends that HO-68 is
an excellent !! satellite for CW.

73 John. <la2qaa2amsat.org>

3299. New bird

Yahoo group: eu-amsat
Date: 2010-04-10 18:12:18 UTC
From: yo9gjx
Topic: 3299 Message: 3299

http://www.southgatearc.org/news/april2010/tisat_1.htm
http://www.spacelab.dti.supsi.ch/index.html

cubesat but it have a transporder.

3300. Re: New bird

Yahoo group: eu-amsat
Date: 2010-04-10 18:32:58 UTC
From: Al
Topic: 3299 Message: 3300

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> http://www.southgatearc.org/news/april2010/tisat_1.htm
> http://www.spacelab.dti.supsi.ch/index.html
>
> cubesat but it have a transporder.
>

Interesting, but the IARU pages suggest a different type of bird.
>TIsat-1
Updated: 03/12/2009
Responsible Operator Paolo Ceppi HB9TYP
Supporting Organisation Uni of Applied Sciences of Southern Switzerland
Contact Person paolo.ceppi@...
Headline Details: A cubesat project designed for self training and validation of satellite communication on VHF and UHF. Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon. Planned for a early 2010 launch into a sun synchronous near polar orbit. ** Co-ordinated up and down on 145.98 and downlink 437.305MHz.** For more information see: http://www.dti.supsi.ch or http://www.spacelab.dti.supsi.ch
Applications Date: 31/03/2008

It says 'Download' plus 'beacon' but I don't see 'transponder' anywhere. Perhaps I have missed something?

It also says...>Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon.

The website listed says...
>Communication Downlink: IARU coordinated beacon frequency is 437.305MHz
Power: 400mW
Callsign: HB9DE.
TIsat-1 periodically identifies itself by its codename TISAT radiated as Morse code (CW) at 19WPM, along with basic telemetry.

Transponder? Where?

Telemetry data plus a beacon. No transponder I think.
Looks like another 'download only' non-amateur bird to me.

73 Al.
Hoping I'm wrong:-)

3301. RE: [eu-amsat] Re: New bird

Yahoo group: eu-amsat
Date: 2010-04-10 19:04:18 UTC
From: John Hackett
Topic: 3299 Message: 3301

The forthcoming Swiss satellite appears to me to be yet another non-transponder encroachment into the amateur bands ... in the guise of 'education' ... (my opinion).

HO-68 is an *AMATEUR* satellite because it caters for amateurs with varying interests and has not one but TWO !! (switchable) transponders as well as the beacon.

It would be interesting to know just exactly how many 'amateurs' bother with - or are interested in these university 'me too' satellites.

Also ... exactly how many of the students eventally become space engineers once they've got their electronics degrees.

I think the powers that be 'know' the amateur bands, as a resource, are being given away ... but prefer not to admit it.

OFCOM ?? ... I believe OFFCON !! would be a better description.

73 John.

3302. Re: New bird

Yahoo group: eu-amsat
Date: 2010-04-10 21:21:29 UTC
From: yo9gjx
Topic: 3299 Message: 3302

The radio communications system is based on the Alinco DJC-6 dual band hand held transceiver and will run 400mW output on a downlink on 437,305 MHz with an uplink of 145.980 MHz.

if it's only for telemetry it run only downlink.

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@> wrote:
> >
> > http://www.southgatearc.org/news/april2010/tisat_1.htm
> > http://www.spacelab.dti.supsi.ch/index.html
> >
> > cubesat but it have a transporder.
> >
>
> Interesting, but the IARU pages suggest a different type of bird.
> >TIsat-1
> Updated: 03/12/2009
> Responsible Operator Paolo Ceppi HB9TYP
> Supporting Organisation Uni of Applied Sciences of Southern Switzerland
> Contact Person paolo.ceppi@...
> Headline Details: A cubesat project designed for self training and validation of satellite communication on VHF and UHF. Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon. Planned for a early 2010 launch into a sun synchronous near polar orbit. ** Co-ordinated up and down on 145.98 and downlink 437.305MHz.** For more information see: http://www.dti.supsi.ch or http://www.spacelab.dti.supsi.ch
> Applications Date: 31/03/2008
>
> It says 'Download' plus 'beacon' but I don't see 'transponder' anywhere. Perhaps I have missed something?
>
> It also says...>Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon.
>
> The website listed says...
> >Communication Downlink: IARU coordinated beacon frequency is 437.305MHz
> Power: 400mW
> Callsign: HB9DE.
> TIsat-1 periodically identifies itself by its codename TISAT radiated as Morse code (CW) at 19WPM, along with basic telemetry.
>
> Transponder? Where?
>

> Telemetry data plus a beacon. No transponder I think.
> Looks like another 'download only' non-amateur bird to me.
>
> 73 Al.
> Hoping I'm wrong:-)
>

3303. Re: [eu-amsat] Re: New bird

Yahoo group: eu-amsat
Date: 2010-04-11 00:59:13 UTC
From: Thomas Frey
Topic: 3299 Message: 3303

yo9gjx schrieb:
> The radio communications system is based on the Alinco DJC-6 dual band hand held transceiver and will run 400mW output on a downlink on 437,305 MHz with an uplink of 145.980 MHz.
>
> if it's only for telemetry it run only downlink.
>
>

I think the 2m uplink is reserved for the ground station in Ticino.
I have no information yet about a transponder use for HAMs.

> --- In eu-amsat@yahoogroups.com, "Al"<allan_gm1sxx@...> wrote:
>
>> --- In eu-amsat@yahoogroups.com, "yo9gjx"<yo9gjx@> wrote:
>>
>>> http://www.southgatearc.org/news/april2010/tisat_1.htm
>>> http://www.spacelab.dti.supsi.ch/index.html
>>>
>>> cubesat but it have a transporder.
>>>
>>>
>> Interesting, but the IARU pages suggest a different type of bird.
>>
>>> TIsat-1
>>>
>> Updated: 03/12/2009
>> Responsible Operator Paolo Ceppi HB9TYP
>> Supporting Organisation Uni of Applied Sciences of Southern Switzerland
>> Contact Person paolo.ceppi@...
>> Headline Details: A cubesat project designed for self training and validation of satellite communication on VHF and UHF. Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon. Planned for a early 2010 launch into a sun synchronous near polar orbit. ** Co-ordinated up and down on 145.98 and downlink 437.305MHz.** For more information see: http://www.dti.supsi.ch or http://www.spacelab.dti.supsi.ch
>> Applications Date: 31/03/2008
>>
>> It says 'Download' plus 'beacon' but I don't see 'transponder' anywhere. Perhaps I have missed something?
>>
>> It also says...>Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon.
>>
>> The website listed says...

>>
>>> Communication Downlink: IARU coordinated beacon frequency is 437.305MHz
>>>
>> Power: 400mW
>> Callsign: HB9DE.
>> TIsat-1 periodically identifies itself by its codename TISAT radiated as Morse code (CW) at 19WPM, along with basic telemetry.
>>
>> Transponder? Where?
>>
>> Telemetry data plus a beacon. No transponder I think.
>> Looks like another 'download only' non-amateur bird to me.
>>
>> 73 Al.
>> Hoping I'm wrong:-)
>>
>>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3304. satellites USRP & GNU Radio

Yahoo group: eu-amsat
Date: 2010-04-11 06:12:00 UTC
From: yo9gjx
Topic: 3304 Message: 3304

very nice demonstration of using USRP for sat work made by OZ9AEC also the autor of Gpredict ant other OpenSource software.

http://www.youtube.com/watch?v=v7ulNYD7AjA&feature=player_embedded#

He also build a sistem based on USRP for hamradio Venus probe

http://yo9gjx.blogspot.com/2010/01/venus_2688.html

his page

http://www.oz9aec.net/

3305. AO51 CTCSS back

Yahoo group: eu-amsat
Date: 2010-04-11 10:03:46 UTC
From: yo9gjx
Topic: 3305 Message: 3305

http://www.southgatearc.org/news/april2010/ao51_ctcss.htm

3306. Transponder or not ...

Yahoo group: eu-amsat
Date: 2010-04-11 10:49:56 UTC
From: John Hackett
Topic: 3299 Message: 3306

That was my impression too Thomas, re: the forthcoming Swiss satellite, that the uplink was for the command station only - and if that *IS* the case - I wouldn't call it an 'amateur' satellite.

It's a UNIVERSITY satellite using the amateur bands that sneaks in the back door - and it's debatable whether or not in fact it's another *INTRUDER*.

The sheer *AMOUNT* of university satellites with downlink only telemetry IMHO doesn't justify them using 'exclusive' amateur uplink frequencies for their experiments.

Like GM1SXX stated - I hope I'm wrong and that the transponder will be open to all licensed Hams ... but I suspect it won't.

I refer once again to Commander John Brannegan's (GM4IHJ) 1998 warning that this would !! happen ... in the guise of 'education'.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 11 Apr 2010 02:59:13 +0200
Subject: Re: [eu-amsat] Re: New bird

yo9gjx schrieb:

> The radio communications system is based on the Alinco DJC-6 dual band hand held transceiver and will run 400mW output on a downlink on 437,305 MHz with an uplink of 145.980 MHz.

>

> if it's only for telemetry it run only downlink.

>

>

I think the 2m uplink is reserved for the ground station in Ticino.

I have no information yet about a transponder use for HAMs.

> --- In eu-amsat@yahoogroups.com, "Al"<allan_gm1sxx@...> wrote:

>

>> --- In eu-amsat@yahoogroups.com, "yo9gjx"<yo9gjx@> wrote:

>>

>>> http://www.southgatearc.org/news/april2010/tisat_1.htm

>>> http://www.spacelab.dti.supsi.ch/index.html

>>>

>>> cubesat but it have a transporder.

>>>

>>>

>> Interesting, but the IARU pages suggest a different type of bird.

>>

>>> TIsat-1

>>>

>> Updated: 03/12/2009

>> Responsible Operator Paolo Ceppi HB9TYP

>> Supporting Organisation Uni of Applied Sciences of Southern Switzerland

>> Contact Person paolo.ceppi@...

>> Headline Details: A cubesat project designed for self training and validation of satellite communication on VHF and UHF. Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon. Planned for a early 2010 launch into a sun synchronous near polar orbit. ** Co-ordinated up and down on 145.98 and downlink 437.305MHz.** For more information see: http://www.dti.supsi.ch or http://www.spacelab.dti.supsi.ch

>> Applications Date: 31/03/2008

>>

>> It says 'Download' plus 'beacon' but I don't see 'transponder' anywhere. Perhaps I have missed something?

>>

>> It also says...>Various telemetry data will be available for amateur download using AFSK in addition to a CW beacon.

>>

>> The website listed says...

>>

>>> Communication Downlink: IARU coordinated beacon frequency is 437.305MHz

>>>

>> Power: 400mW

>> Callsign: HB9DE.

>> TIsat-1 periodically identifies itself by its codename TISAT radiated as Morse code (CW) at 19WPM, along with basic telemetry.

>>

>> Transponder? Where?

>>

>> Telemetry data plus a beacon. No transponder I think.

>> Looks like another 'download only' non-amateur bird to me.

>>

>> 73 Al.

>> Hoping I'm wrong:-)

>>

>>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3307. Re: [eu-amsat] Transponder or not ...

Yahoo group: eu-amsat
Date: 2010-04-11 12:41:22 UTC
From: Thomas Frey
Topic: 3299 Message: 3307

Good Sunday John

John Hackett schrieb:
>
>
> That was my impression too Thomas, re: the forthcoming Swiss
> satellite, that the
> uplink was for the command station only - and if that *IS* the case -
> I wouldn't call
> it an 'amateur' satellite.
>
> It's a UNIVERSITY satellite using the amateur bands that sneaks in the
> back door -
> and it's debatable whether or not in fact it's another *INTRUDER*.
>

I understand your objection. But to put all university-CubeSats in one pot is not a solution. If such a CubeSat sends his data in an unusual mode like GMSK and with an unusual protocol like Mobitex instead with AX.25, this satellite would be an intruder. This intruder could be "converted" in an educational HAM-sat, if the students would make a solution to receive the modulation with a modem or more likely with a soundcard-software. The transmitted data format must also be opened.

But THIS is the problem. If no communication exists between HAMs and students, this will result in conflicts.

> The sheer *AMOUNT* of university satellites with downlink only
> telemetry IMHO
> doesn't justify them using 'exclusive' amateur uplink frequencies for
> their experiments.
>

I understand also this objection. But if they get a licence ? TIsat-1 got the call HB9DE. HB9DE was the former call of Terenzio Tallone. He was an young engineer and got his licence in 1938.

> Like GM1SXX stated - I hope I'm wrong and that the transponder will be
> open to all licensed Hams ... but I suspect it won't.
>
> I refer once again to Commander John Brannegan's (GM4IHJ) 1998 warning
> that this would !! happen ... in the guise of 'education'.

With all respect for John Brannegan, but our world is not only black and white. And WE HAMS have wrote on our banners/flags always to learn and to search.

>
> 73 John. <la2qaa@...>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3308. RE: [eu-amsat] Transponder or not ...

Yahoo group: eu-amsat
Date: 2010-04-11 13:07:44 UTC
From: John Hackett
Topic: 3299 Message: 3308

Your points noted Thomas,

John Brannegan's main concern was that the universities were copycatting eachother and *NOT* providing anything interesting or useful to most satellite amateur radio operators ... that is to say ... freeloading - and providing something for a mere handful of operators.

I agree with you that better 'communication' is called for.

By the way, I'm *NOT* against university projects but I *DO* wish they'd provide something interesting to the
average amateur satellite enthusiast like certain individuals keep telling us they do ... (when they don't).

What I do object to is a satellite organisation promoting FM amateur satellites and consequently being responsible for the impending chaos on satellites like AO-51 over Europe.

A linear transponder with room for 10 consequative QSO's - as opposed to the - 'mine's bigger than yours' - single user mentality of FM would be far more sensible.

The problems are of course financing a non-cubesat satellite and then eventual launch costs.

GM1SXX mentioned to me that the *FUN* had gone out of amateur satellite and I was in 100% agreement and was on
the verge of throwing in the towel completely ... but luckily, HO-68 came along and saved the day. Now IT'S *fun* to
work satellites again.

There is of course a satellite called FUNsat planned ... if it ever gets into orbit ... but I'm not holding my breath.

NB:

THE ABOVE IS MY PERSONAL OPINION.

Have a nice Sunday you too Thomas.

73 John. <la2qaa@...>

73 John. <la2qaa@...>

3309. TNC interface for icom 910H

Yahoo group: eu-amsat
Date: 2010-04-12 09:59:14 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3309 Message: 3309

Hello all,

Recently I□ve bought an Icom 910H and I would like to use with a TNC in satellite mode and in normal mode, using the main band, but as you will know this transceiver has two mini din connectors, one used for the main band and the other is used for the suband, I would not like to lose the main band, that it is used, for instance, when you work the ISS in simplex, but If I make a simple interface taking the tx from the main band and the rx from the suband I will lose working with the main band in simplex.

Any idea to recommend me to solve this issue?

Thanks in advance,

73 de EA1JM, Fran

3310. Re: [eu-amsat] TNC interface for icom 910H

Yahoo group: eu-amsat
Date: 2010-04-12 10:18:23 UTC
From: Thomas Frey
Topic: 3309 Message: 3310

Francisco Jim?nez-Mart?n S?nchez schrieb:
>
>
> Hello all,
>
> Recently I?ve bought an Icom 910H and I would like to use with a TNC
> in satellite mode and in normal mode, using the main band, but as you
> will know this transceiver has two mini din connectors, one used for
> the main band and the other is used for the suband, I would not like
> to lose the main band, that it is used, for instance, when you work
> the ISS in simplex, but If I make a simple interface taking the tx
> from the main band and the rx from the suband I will lose working with
> the main band in simplex.
>
> Any idea to recommend me to solve this issue?
>

Hello Francisco

If you make your own interface, build one for both cables so you can plug
in both cables into your 910H. Make separate switches for the audio lines
and PTT lines. On the front panel you can arrange the switches in logical
order for e.g. duplex and simplex or whatever.

Hope this helps.

> Thanks in advance,
>
> 73 de EA1JM, Fran
>
>
>
>
>
>

CU on the birds again...

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3311. HO-68 conflicts.

Yahoo group: eu-amsat
Date: 2010-04-13 18:11:07 UTC
From: John Hackett
Topic: 3311 Message: 3311

To whom it may concern,
Despite a clearly stated schedule we still have a conflict between PACKET and FM voice on HO-68.

The schedule from 17:20 until 18:05 today, the 13th of April clearly earmarked HO-68 for PACKET operation ... with FM voice being set for 19:00 until 19:45.

Despite this, there was still a GENTLEMAN (?)
from one of the Scandinavian countries beginning with the letter F (!) -
calling on FM at 17:33 - and making a mess of the
PACKET communications.

Sir, by actually reading !!!! the published schedule on the Amsat-bb ... or here ...

<http://www.dk3wn.info/p/?page_id=10390>

You could make life easier for yourself and other Hams using the satellite.

I would respectfully suggest that the reason nobody answered you on FM voice was because that particular pass was earmarked FM PACKET.

If you are one of the few previously *not* aware of the schedule, please accept this reminder in the spirit it's meant ... please read the schedule and adhere to it.

It's very purpose is to avoid conflict between PACKET and FM.

73 John. <la2qaa@...>

3312. Re: [amsat-bb] Re: Most Hams in Space at one time?

Yahoo group: eu-amsat
Date: 2010-04-14 15:19:41 UTC
From: Luc Leblanc
Topic: 3312 Message: 3312

Another one who was censored on AMSAT-NA BB...

On 13 Apr 2010 at 17:53, Michael Tondee wrote:

Date sent: Tue, 13 Apr 2010 17:53:28 -0400
From: Michael Tondee <mat_62@...>
Subject: [amsat-bb] Re: Most Hams in Space at one time?
To: amsat-bb@...

> you will find that, just as in everyday life, some folks just are not happy
> unless they have something to complain about.

And there is some folks just are not happy unless they have something to complain against those who are complaining...

If you cannot live in a world where communication is freely available with all who goes with it you should better to return in the stone
age...

P.S. Instead of reposting entire post just put the lines you want to comment on. Usually the "main idea" is contained in 2 or 3 lines the
rest is made to impress the crowd :)

And it works...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3313. Re: HO-68 conflicts.

Yahoo group: eu-amsat
Date: 2010-04-14 19:43:50 UTC
From: mika.siira
Topic: 3311 Message: 3313

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> To whom it may concern,
> Despite a clearly stated schedule we still have a conflict between PACKET and FM voice on HO-68.
>
> The schedule from 17:20 until 18:05 today, the 13th of April clearly earmarked HO-68
> for PACKET operation ... with FM voice being set for 19:00 until 19:45.
>
> Despite this, there was still a GENTLEMAN (?)
> from one of the Scandinavian countries beginning with the letter F (!) -
> calling on FM at 17:33 - and making a mess of the
> PACKET communications.
>
> Sir, by actually reading !!!! the published schedule on the Amsat-bb ... or here ...
>
> <http://www.dk3wn.info/p/?page_id=10390>
>
> You could make life easier for yourself and other Hams using the satellite.
>
> I would respectfully suggest that the reason nobody answered you on FM voice was because that particular pass was earmarked FM PACKET.
>
> If you are one of the few previously *not* aware of the schedule, please accept this
> reminder in the spirit it's meant ... please read the schedule and adhere to it.
>
> It's very purpose is to avoid conflict between PACKET and FM.
>
> 73 John. <la2qaa@...>
>

Hello John & group,

I made yesterday one CQ (if I remember correct) on yesterdays HO-68
pass when the sat was commissioned for packet. I _do_ read commissioning schedules, I was just "one pass ahead" of that in my mind. I heard mostly packet bursts and then I doublechecked the schedule and noticed myself my mistake and kept my mouth shut for the rest of the pass.

My sincere apologies for the possible harm I caused for packet users on HO-68 on that pass.

Mika, 0H8MBN
(and the country that starts with an f is Finland)

3314. HO-68 photo.

Yahoo group: eu-amsat
Date: 2010-04-14 19:56:58 UTC
From: Al
Topic: 3314 Message: 3314

Hi group.
If you'd like to see what HO-68 ,and Alan BA1DU!, look like, have a look at..

http://groups.yahoo.com/group/eu-amsat/photos/album/1902963577/pic/list

73 Al.
GM1SXX

3315. Finland has men ... with a capital M !!!.

Yahoo group: eu-amsat
Date: 2010-04-14 20:09:05 UTC
From: John Hackett
Topic: 3311 Message: 3315

Mika,
I take off my hat and bow to you.

Having the courage to stand up and admit a mistake deserves this groups utmost respect.

That takes a man !!! Mika - (and a good satellite operator).

I must admit, I was a little quick on the trigger, after all, nobody makes as many mistakes as La2qaa !!.

You've given many a satellite operator a good contact on AO-7, me included,
thanks mate!.

Have a good day Mika and see you on HO-68 CW next time around.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mika.siira@...
Date: Wed, 14 Apr 2010 19:43:50 +0000
Subject: [eu-amsat] Re: HO-68 conflicts.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> To whom it may concern,

> Despite a clearly stated schedule we still have a conflict between PACKET and FM voice on HO-68.

>

> The schedule from 17:20 until 18:05 today, the 13th of April clearly earmarked HO-68

> for PACKET operation ... with FM voice being set for 19:00 until 19:45.

>

> Despite this, there was still a GENTLEMAN (?)

> from one of the Scandinavian countries beginning with the letter F (!) -

> calling on FM at 17:33 - and making a mess of the

> PACKET communications.

>

> Sir, by actually reading !!!! the published schedule on the Amsat-bb ... or here ...

>

> <http://www.dk3wn.info/p/?page_id=10390>

>

> You could make life easier for yourself and other Hams using the satellite.

>

> I would respectfully suggest that the reason nobody answered you on FM voice was because that particular pass was earmarked FM PACKET.

>

> If you are one of the few previously *not* aware of the schedule, please accept this

> reminder in the spirit it's meant ... please read the schedule and adhere to it.

>

> It's very purpose is to avoid conflict between PACKET and FM.

>

> 73 John. <la2qaa@...>

>

Hello John & group,

I made yesterday one CQ (if I remember correct) on yesterdays HO-68

pass when the sat was commissioned for packet. I _do_ read commissioning schedules, I was just "one pass ahead" of that in my mind. I heard mostly packet bursts and then I doublechecked the schedule and noticed myself my mistake and kept my mouth shut for the rest of the pass.

My sincere apologies for the possible harm I caused for packet users on HO-68 on that pass.

Mika, 0H8MBN

(and the country that starts with an f is Finland)

3316. Settings to work HO-68 in FM

Yahoo group: eu-amsat
Date: 2010-04-14 20:30:05 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3316 Message: 3316

Hello to all the people in the list,

I would like to know if you use any special setting to work the HO-68 sat in FM, because I have tried for to two days to enter in the satellite with no success. I have an icom IC-910H, with the pl tone of 67 in the uplink but there is no way to enter in the sat. I have tested to increase the power or decrease and tried to follow the sat the best way possible with my yaesu g-5500 and my X-Quad wimo antennas with no luck. Do you have any recommendation?

Thanks in advance for your replies.

Kr,

Fran EA1JM

3317. Re: Settings to work HO-68 in FM

Yahoo group: eu-amsat
Date: 2010-04-14 20:53:08 UTC
From: porsche998
Topic: 3316 Message: 3317

Hi Fran,

You should check in www.camsat.cn for the operation schedule.
It is possible the transponder is switched off when you were trying from your location.
Times used in schedule are all UTC.

BR
Kenny

--- In eu-amsat@yahoogroups.com, Francisco Jiménez-Martín Sánchez <franciscojms@...>
wrote:
>
> Hello to all the people in the list,
>
>
>
> I would like to know if you use any special setting to work the HO-68 sat in
> FM, because I have tried for to two days to enter in the satellite with no
> success. I have an icom IC-910H, with the pl tone of 67 in the uplink but
> there is no way to enter in the sat. I have tested to increase the power or
> decrease and tried to follow the sat the best way possible with my yaesu
> g-5500 and my X-Quad wimo antennas with no luck. Do you have any
> recommendation?
>
>
>
> Thanks in advance for your replies.
>
>
>
> Kr,
>
> Fran EA1JM
>

3318. RE: [eu-amsat] Re: Settings to work HO-68 in FM

Yahoo group: eu-amsat
Date: 2010-04-14 21:12:26 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3316 Message: 3318

Hello Kenny,

Thanks for the tip, but I□m aware of the schedule, I can hear stations on the downlink like for example SV1EEK, UR5BFX and many others, the main problem is that I can□t open the squelch of the sat and of course I□m using the right frequency and the pl tone for access.

Thanks!

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de porsche998
Enviado el: miércoles, 14 de abril de 2010 22:53
Para: eu-amsat@yahoogroups.com
Asunto: [eu-amsat] Re: Settings to work HO-68 in FM

Hi Fran,

You should check in www.camsat.cn for the operation schedule.
It is possible the transponder is switched off when you were trying from your location. Times used in schedule are all UTC.

BR
Kenny

--- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> , Francisco Jiménez-Martín Sánchez <franciscojms@...> wrote:
>
> Hello to all the people in the list,
>
>
>
> I would like to know if you use any special setting to work the HO-68 sat in
> FM, because I have tried for to two days to enter in the satellite with no
> success. I have an icom IC-910H, with the pl tone of 67 in the uplink but
> there is no way to enter in the sat. I have tested to increase the power or
> decrease and tried to follow the sat the best way possible with my yaesu
> g-5500 and my X-Quad wimo antennas with no luck. Do you have any
> recommendation?
>
>
>
> Thanks in advance for your replies.
>
>
>

> Kr,
>
> Fran EA1JM
>

3319. RE: [eu-amsat] Settings to work HO-68 in FM

Yahoo group: eu-amsat
Date: 2010-04-15 08:38:39 UTC
From: John Hackett
Topic: 3316 Message: 3319

Francisco,
Many people have been experiencing the same problem.

It's a viscious circle (a problem that increases with repeated use) where people increase power thinking that is the only way to get into HO-68 ... which of course just adds to the problem and makes it worse ... and worse.

It's due to people 'flooding' the front end ... the receiver can't cope. If you listen, you will hear several stations in different parts of the range circle calling on top of eachother - but not !!! necessarily hearing the other stations calling. This completely swamps the the receiver's front end and the only people that can get into the satellite are those using excessive power - or - those lucky enough to slip through in a break of the mass hysteria (zoo) ... tailending another call.

There is a couple of seconds 'delay' (called a 'tail) after the relay switches so a tip is to wait for the other station to say 'oner' - then say to yourself ... "one" "two" ... before pressing your PTT ... and *DON'T* use VOX because the first syllable of your transmission will be lost.

FM is *NOT* the smartest choice for an amateur satellite transponder due to it's 'capture' effect (works well if there only a single command station, like the commercial birds).

Luckily, HO-68 also has a LINEAR mode where the operating is more civilised and there's room for everybody.

Hope that helps.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: franciscojms@...
Date: Wed, 14 Apr 2010 22:30:05 +0200
Subject: [eu-amsat] Settings to work HO-68 in FM

Hello to all the people in the list,

I would like to know if you use any special
setting to work the HO-68 sat in FM, because I have tried for to two days to enter in the satellite with no success. I have an icom IC-910H, with the pl tone of 67 in the uplink but there is no way to enter in the sat. I have tested to increase the power or decrease and tried to follow the sat the best way possible with my yaesu g-5500 and my X-Quad wimo antennas with no luck. Do you have any recommendation?

Thanks in advance for your replies.

Kr,

Fran EA1JM

3320. FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-15 08:53:30 UTC
From: John Hackett
Topic: 2564 Message: 3320

Group,
To better understand the problem of operating FM on a satellite imagine three packet stations, A, B and C ... with one of them are operating as a digipeater communications are upheld.

Lets call the satellite station B ... which can hear both A and C ... *BUT* A cannot hear C and C cannot hear A so they both call at the same time. Now, B, because of it's capture effect only replies to the strongest station, lets say A.

At the same time, C thinks ... hrmm, not getting through here, lets increase power! ... which compounds the problem for the next station D ... and so on ... E, F, G etc ... as the satellite moves along it's orbit.

With a LINEAR mode you can actually 'HEAR* the changes as the satellite progresses along it's orbit - but you can't !!! on FM ... (unless you happen to be listening to the CW beacon on a second receiver).

That's !!! why FM is *NOT* a sensible mode for amateur radio satellites.

73 John. <la2qaa@...>

3321. Re: FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-15 15:52:48 UTC
From: st2nh
Topic: 2564 Message: 3321

Hi Jhon & All
thanks for nice tips and hints about FM sat.

Just I want to add more info in the case of broadcast protocol on PACSAT ie FM mode.!

In pacsat protocal the satellite can listen to many stations in the same time and arrange them in a queue eg HO-68 can list 10 stations in a queue .
in same time any broadcasting files could be downloaded
by any station too even if it was not in the queue. the space craft deal with requests one after other.

Notice coz the sat is dullduplex no collision well happen between ground station requests and the download data from the space craft.

IMHO pacsat broadcasting protocol is most efficient mode on FM sat.

73's de Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> To better understand the problem of operating FM on a satellite imagine
> three packet stations, A, B and C ... with one of them are operating as a digipeater
> communications are upheld.
>
> Lets call the satellite station B ... which can hear both A and C ... *BUT* A cannot hear C and C cannot hear A so they both call at the same time. Now, B, because of it's capture effect only replies to the strongest station, lets say A.
>
> At the same time, C thinks ... hrmm, not getting through here, lets increase power! ... which compounds the problem for the next station D ... and so on ... E, F, G etc ... as
> the satellite moves along it's orbit.
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> With a LINEAR mode you can actually 'HEAR* the changes as the satellite progresses
> along it's orbit - but you can't !!! on FM ... (unless you happen to be listening to the
> CW beacon on a second receiver).
>
> That's !!! why FM is *NOT* a sensible mode for amateur radio satellites.
>
> 73 John. <la2qaa@...>
>

3322. Operating Pacsats.

Yahoo group: eu-amsat
Date: 2010-04-15 18:13:17 UTC
From: John Hackett
Topic: 3322 Message: 3322

Hello Nader,
You said ...

>IMHO pacsat broadcasting protocol is most efficient mode on FM sat.

I absolutely agree with you Nader ... for the very reason you mentioned.

There are more newcomers coming into the hobby and it's relatively easy to operate HO-68 with the AGW software and UISS (both FREE) or WISP, though that's a little more complicated to set up.

All the programs do have extensive HELP files though.

I''m aware that you've mentioned these programs on your blog Nader. Perhaps you'd like to write a little - "How to operate the packet BBS on HO-68" - for the Observations website ?? ... (Observations from Sudan?).

I'm sure it would encourage a few newcomers to try the mode.

If you want to do it Nader, just send any copy to me or Al, GM1SXX ... <allan_gm1sxx@...> and we'll ensure it's published on the OBSERVATIONS website at <http://www.observations.biz>

73 John. <la2qaa@...>

3323. RE: [eu-amsat] Re: FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-15 18:13:58 UTC
From: Al copland
Topic: 2564 Message: 3323

Hi group.

re FM satellites, Nader says...

>In pacsat protocal the satellite can listen to many stations in the same time and arrange them in a queue eg HO-68 can list 10 stations in a queue .

I find this impossible to believe. I'd suggest the packets are surely received, from a sequential stream... and not concurrently.

Perhaps someone far more clever than myself can explain how this is possible on an FM bird? I find it incredible that any FM receive system could resolve multiple packet QSO's simultaneously (at the same time), as Nader suggests.

My personal understanding of FM receivers (including satellite) is that capture effect always prevails, so the strongest signal will always capture the satellite's receiver, to the detriment of any other weaker signal. This is certainly true with terrestrial FM. So to my question... are my training books completely wrong about FM, (because I teach this stuff from RCF approved books, to students) or perhaps FM satellites can do something clever that FM on the ground can not to 'bend the laws of physics'? NOW I'm confused.

Frequency Modulation 'capture effect' has always been the basis of my objection to the use of FM on amateur satellites, simply because FM cannot suport concurrent OSO's. In short,I consider it a very inefficient use of very valuable bandwidth.

Yours, (very confused!)

73 Al.

GM1SXX

> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Thu, 15 Apr 2010 15:52:48 +0000
> Subject: [eu-amsat] Re: FM satellites.
>
>
> Hi Jhon & All
> thanks for nice tips and hints about FM sat.
>
> Just I want to add more info in the case of broadcast protocol on PACSAT ie FM mode.!
>
> In pacsat protocal the satellite can listen to many stations in the same time and arrange them in a queue eg HO-68 can list 10 stations in a queue .
> in same time any broadcasting files could be downloaded
> by any station too even if it was not in the queue. the space craft deal with requests one after other.

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> Notice coz the sat is dullduplex no collision well happen between ground station requests and the download data from the space craft.
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> IMHO pacsat broadcasting protocol is most efficient mode on FM sat.
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> 73's de Nader
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> > Group,
> > To better understand the problem of operating FM on a satellite imagine
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> > Lets call the satellite station B ... which can hear both A and C ... *BUT* A cannot hear C and C cannot hear A so they both call at the same time. Now, B, because of it's capture effect only replies to the strongest station, lets say A.
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> > At the same time, C thinks ... hrmm, not getting through here, lets increase power! ... which compounds the problem for the next station D ... and so on ... E, F, G etc ... as
> > the satellite moves along it's orbit.
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> > CW beacon on a second receiver).
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> >
> > 73 John. <la2qaa@...>
> >
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> ---
>
> Yahoo! Groups Links
>
>
>

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http://clk.atdmt.com/UKM/go/197222280/direct/01/
Do you have a story that started on Hotmail? Tell us now

3324. RE: [eu-amsat] Re: FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-15 18:25:29 UTC
From: Al copland
Topic: 2564 Message: 3324

Hi group.

To what I have already written on FM capture effect, I would add that I do realise that some previous satellites had multiple FM receive channels on several different uplink frequencies to cope with multiple uplinks, but I don't think and of the current birds are of this type. Multiple receive channels are rather different from a single shared channel. With multiple channels you only have contention for EACH channel to consider.
It's perhaps not ideal, but for sure beats a single FM uplink, and adds complexity at the satellite end of the link.

73 Al.
GM1SXX

_____
http://clk.atdmt.com/UKM/go/197222280/direct/01/
Do you have a story that started on Hotmail? Tell us now

3325. Pacsat protocol.

Yahoo group: eu-amsat
Date: 2010-04-15 18:31:14 UTC
From: John Hackett
Topic: 3325 Message: 3325

Hello Al,
Pacsats - including HO-68 use the AX-25 standard 1200 baud packet protocol.

They build a BB from sequential packets and they broadcast a 'block' of packets as a stream of data. Programs like WISP and/or UISS can 'build' the database from these sequential packets ... filling in 'holes'' - (parts of the data *missed* in the previous transmission).

73 John.

3326. RE: [eu-amsat] Pacsat protocol.

Yahoo group: eu-amsat
Date: 2010-04-15 18:42:49 UTC
From: Al copland
Topic: 3325 Message: 3326

Hi folks,

John explains all. It's just AX25 packet radio, collisions, contention and all.

Having the uplink and downlink on different bands helps I'm sure.

Al.

Hello Al,
Pacsats - including HO-68 use the AX-25 standard 1200 baud packet protocol.
They build a BB from sequential packets and they broadcast a 'block' of packets
as a stream of data. Programs like WISP and/or UISS can 'build' the database from these
sequential packets ... filling in 'holes'' - (parts of the data *missed* in the previous
transmission).
73 John.

_____
http://clk.atdmt.com/UKM/go/195013117/direct/01/

3327. FM on HO-68

Yahoo group: eu-amsat
Date: 2010-04-15 20:49:37 UTC
From: John Hackett
Topic: 3327 Message: 3327

Group,
Further to my earlier posts, here's a few words from BA1DU
Alan Kung, HO-68's project manager.

>On the other hand, if there are a lot of very strong
>signals transmiting to the satellite at same time, the
>satellite receiver may be unable to decode the 67Hz PL tone
>correctly, so voice will be unable to receive a reply in that case.

FM voice and PACKET are now segregated in the commissioning schedule.

73 John. <la2qaa@amsat.org>

3328. Re: [eu-amsat] Pacsat protocol.

Yahoo group: eu-amsat
Date: 2010-04-15 21:01:16 UTC
From: Thomas Frey
Topic: 3325 Message: 3328

Hello All

John Hackett schrieb:
>
>
> Hello Al,
> Pacsats - including HO-68 use the AX-25 standard 1200 baud
> packet protocol.

Correct, but it has nothing to do with the data rate. The PACSAT-protocol is an additive layer on AX.25.

>
> They build a BB from sequential packets and they broadcast a 'block'
> of packets
> as a stream of data. Programs like WISP and/or UISS can 'build' the
> database from these
> sequential packets ... filling in 'holes'' - (parts of the data
> *missed* in the previous transmission).

Also correct, but I would say the mailbox sends requested parts of data files.

>
> 73 John.
>

UO-14, AO-16 and LO-19 were the first satellites with a mailbox and PACSAT-protocol. UO-14 had trx'ed with 9600 bps FSK, AO-16 and LO-19 with 1200 bps "Fuji mode". Fuji-mode was "created" by JARL HAMs and means uplink in ManchesterFSK FM and downlink in BPSK SSB.

James, G3RUH, developed the modems for TNC's. I have a Heathkit HK-232 (PK-232) and this modems attached in my shack. Its good old self made hardware. :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3329. Re: FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-15 23:07:45 UTC
From: st2nh
Topic: 2564 Message: 3329

HI gentilmen

The pacsat protocal works fully automatic .If the GSC software was been prepared well the operators suppose to - DO NOTHING -
apart from enjoy their hot tea and watching their monitors.

It is just a one request and you should be in the queue.Im not taking
about sending dozen of request to space craft as I've noticed recently
some op did.

No jaming or zoo its polite request , It is like (Ok I hear you
Nader wait for your turn . but while you are waiting listen to
other station answers you may well get what you want).

Many Op keep sending Dir fill request and for sure this follow the physical rule of FM capture effect. Yes I 'll write more a bout Pacsat
Mode and thanks John for the apportunity to post it on Observation.

73's Nader

--- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
>
>
> Hi group.
>
> To what I have already written on FM capture effect, I would add that I do realise that some previous satellites had multiple FM receive channels on several different uplink frequencies to cope with multiple uplinks, but I don't think and of the current birds are of this type. Multiple receive channels are rather different from a single shared channel. With multiple channels you only have contention for EACH channel to consider.
> It's perhaps not ideal, but for sure beats a single FM uplink, and adds complexity at the satellite end of the link.
>
> 73 Al.
> GM1SXX
>
>
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>
> _____
> http://clk.atdmt.com/UKM/go/197222280/direct/01/
> Do you have a story that started on Hotmail? Tell us now
>

3330. (no subject)

Yahoo group: eu-amsat
Date: 2010-04-16 08:40:49 UTC
From: John Hackett
Topic: 3330 Message: 3330

Nader,
You said ... (regarding PACSAT operating) ...

>No jaming or zoo its polite request ...

Exactly !!!.

The same is true of CW and SSB - and in those cases much is due to the fact that stations can actually *hear* eachother - or should I say - stations actually *LISTEN* before they speak (!).

>Yes I'll write more about Pacsat Mode and thanks
> John for the apportunity to post it on Observation.

OBSERVATIONS is primarily a website dedicated to and for amateur satellite operators run by GM1SXX and myself.

Al does all the work while I take all the credit for it.

It's meant to be an archive of useful information for the newcomer and experienced operator alike.

We also founded this forum, where, the intention is, people may express their opinions on subjects of interest to satellite operators without fear of being criticised and made to feel stupid.

We were all !!! newcomers once upon a time.

Diversity is the spice of life .....(La2qaa).

73's John. <la2qaa@...>

3331. Re: [eu-amsat] Re: FM satellites.

Yahoo group: eu-amsat
Date: 2010-04-16 11:59:44 UTC
From: Thomas Frey
Topic: 2564 Message: 3331

Hello All

If you are more interested in PACSAT protocol, read the following sites:

http://sm6sxl.tripod.com/text/PacSat/intro.txt
http://www.amsat.org/amsat-new/satellites/sat_summary/microsats/msatpro.php
http://www.jamsat.or.jp/oscar/sunsat/mirror/studente/jboot/artikel.html
http://ring.nict.go.jp/archives/misc/ham/library/nazca/NAZCA_94/SAT/SAT/PBPG/PFHDOC.ASC

aso... Google was my friend.

st2nh schrieb:
> HI gentilmen
>
> The pacsat protocal works fully automatic .If the GSC software was been prepared well the operators suppose to - DO NOTHING -
> apart from enjoy their hot tea and watching their monitors.
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> It is just a one request and you should be in the queue.Im not taking
> about sending dozen of request to space craft as I've noticed recently
> some op did.
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> 73's Nader
>
> --- In eu-amsat@yahoogroups.com, Al copland<allan_gm1sxx@...> wrote:
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>> Hi group.
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>> 73 Al.

>> GM1SXX
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--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3332. Re: Pacsat protocol.

Yahoo group: eu-amsat
Date: 2010-04-16 16:30:09 UTC
From: hpaesler01
Topic: 3325 Message: 3332

Gentlemen,

please consider that usually the data volume of the uplink
is by *far* smaller than the downlink data volume. I do not
mean the data rate but the data volume which is proportional
to channel occupation time, at least for the uplink.

You just trigger a download and the satellite sends it in the
downlink data stream. When you missed block, you request those
missing blocks, which are then inserted into the downlink
data stream again. Both "trigger" and "request" packets are
very short, hence the probability of collisions is relatively
low, although not zero.

The situation is worse if somebody is uploading a large file,
then the uplink data volume is much higher and the occupied
uplink time is much longer and the probability of collisions
rises. But over an orbit or so the real data upload time is not
too long, of course depending on file sizes.

But you certainly can't compare the uplink situation of a PACSAT
protocol satellite even with only on uplink channel with a standard
FM satellite.

73 Hartmut DL1YDD

--- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
>
>
> Hi folks,
>
>
>
> John explains all. It's just AX25 packet radio, collisions, contention and all.
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> Having the uplink and downlink on different bands helps I'm sure.
>
> Al.
>
> ---
>
>
> Hello Al,
> Pacsats - including HO-68 use the AX-25 standard 1200 baud packet protocol.
> They build a BB from sequential packets and they broadcast a 'block' of packets
> as a stream of data. Programs like WISP and/or UISS can 'build' the database from these

> sequential packets ... filling in 'holes'' - (parts of the data *missed* in the previous transmission).
> 73 John.
>
> _____
> http://clk.atdmt.com/UKM/go/195013117/direct/01/
>

3333. RE: [eu-amsat] Re: Pacsat protocol.

Yahoo group: eu-amsat
Date: 2010-04-16 20:35:03 UTC
From: John Hackett
Topic: 3325 Message: 3333

Hartmut,
That was a very good, clear, concise explanation and is I believe what
Nader was in fact saying.

Thank you for your input Hartmut, very much appreciated.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: yahoo@...
Date: Fri, 16 Apr 2010 16:30:09 +0000
Subject: [eu-amsat] Re: Pacsat protocol.

Gentlemen,

please consider that usually the data volume of the uplink

is by *far* smaller than the downlink data volume. I do not

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to channel occupation time, at least for the uplink.

You just trigger a download and the satellite sends it in the

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> John explains all. It's just AX25 packet radio, collisions, contention and all.

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> Al.

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> ---

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> Hello Al,

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> 73 John.

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> http://clk.atdmt.com/UKM/go/195013117/direct/01/

>

3334. KP4AO - Arecibo

Yahoo group: eu-amsat
Date: 2010-04-17 19:02:41 UTC
From: yo9gjx
Topic: 3334 Message: 3334

KP4AO 54/55 SSB in South East Romania with 15 el YAGI on an astronomy tripod pointed on window to the moon, GaAs preamplifier, about 3m LMR cable and Yupiteru MVT 7100 scanner. Impossible to make a qso with max 30w tx power - HI

3335. Arecibo recordings

Yahoo group: eu-amsat
Date: 2010-04-18 11:43:08 UTC
From: Luc Leblanc
Topic: 3335 Message: 3335

Here is 2 recordings of april 17 Arecibo EME transmission received on a linear 24 elements yagi with an Icom preamp on an FT-847 60' of LMR-
400.

http://www.yourfilelink.com/get.php?fid=541211
http://www.yourfilelink.com/get.php?fid=541210
http://www.yourfilelink.com/get.php?fid=541209

My first observation is while some seems to report great reception with moderate set up? i cannot say my first EME reception is Q5... When
you listen the audio file put your volume up as KP4AO is way down in the noise but after a couple of try you will be able to detect some
words from them. The CW recording is much better with the maximum of filtering.

Conclusion:1- An LEO class satellite station does not make an EME station at all.
2- Accurately reporting a reception by ears is not an exact science... recording tells the truth without any doubts
3- My third file is giving some explanation about why my JT65B program give's me 4 EME call sign: F5BUU KU7Z K3AX IQ2CJ

I will try this mode if they used it but as i does not want to be controversial i think the 4 stations that i got on my JT65B screen where
probably never transmitting at the time of reception!!!

Just read the third file above and you will be able to understand more my point 2!

Anyway it was my first EME SWL reception "i hope" as some just tells me it is possible that tropo scater reflection in the caribbean and
ducting made some getting the Arecibo signal this way as their EIRP made it quite possible explaining the rapid QSB reported by some
station. Here as soon as i move the antenna off by 10 deg Arecibo disappear.

Just to pointed out i was listening the HAARP EME test 2 years ago and i was able to copy their HF ionospheric signal and their moon
reflected signal much much weaker but some on the world where only able to get the moon reflected signal as they where out of range form
the standard HF propagation path. Just to warned those in the tropo scatter/RF ducting path from Arecibo to checked if moving their antenna
off the moon make the signal disappear.

P.S. If someone is aware of an audio software able to filtered out the noise from a recording just pointed me toward the source.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe

DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3336. Re: Arecibo recordings

Yahoo group: eu-amsat
Date: 2010-04-18 13:29:35 UTC
From: yo9gjx
Topic: 3335 Message: 3336

Good point. On 17 i hear nothing. Next morning i see that they use only 25w in the dish having problem with PA. On 18 evening the signal was low but clear i think they push with 350w. So, your equipment is great. Hi
For signal recording and after prelucration a very easy and good software is Audacity http://audacity.sourceforge.net/ (exists also for windows). You can make even spectral analysis.

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
> Here is 2 recordings of april 17 Arecibo EME transmission received on a linear 24 elements yagi with an Icom preamp on an FT-847 60' of LMR-
> 400.
>
> http://www.yourfilelink.com/get.php?fid=541211
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>
> My first observation is while some seems to report great reception with moderate set up? i cannot say my first EME reception is Q5... When
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> reflected signal much much weaker but some on the world where only able to get the moon

reflected signal as they where out of range form
> the standard HF propagation path. Just to warned those in the tropo scatter/RF ducting path from Arecibo to checked if moving their antenna
> off the moon make the signal disappear.
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> P.S. If someone is aware of an audio software able to filtered out the noise from a recording just pointed me toward the source.
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>

3337. Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-18 18:02:42 UTC
From: Luciano
Topic: 3337 Message: 3337

Because the ash particles are statically loaded, they may interfere with the radio traffic.
Has anyone experienced satellite comunications inteference so far?
Just out of curiosity...
Luciano PT9KK

3338. RE: [eu-amsat] Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-18 18:24:22 UTC
From: John Hackett
Topic: 3337 Message: 3338

Luciano,
A very interesting and intelligent question ...

Anybody ?? ...

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: luciano_nachif@...
Date: Sun, 18 Apr 2010 18:02:42 +0000
Subject: [eu-amsat] Vulcanic Ashes

Because the ash particles are statically loaded, they may interfere with the radio traffic.

Has anyone experienced satellite comunications inteference so far?

Just out of curiosity...

Luciano PT9KK

3339. Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 04:10:17 UTC
From: yo9gjx
Topic: 3337 Message: 3339

Very good question.I'm in south east Romania and all is ok. I make observation and photos Mars-Gemini with my 114mm Newtonian telescope at the same magnitude. So optic nothing change. The same good signal for LEO. Even i hear on 17 evening KP4AO on west.They say that is danger to fly but where is the cloud? For the moment, optic and radio all is the same except the news.

--- In eu-amsat@yahoogroups.com, "Luciano" <luciano_nachif@...> wrote:
>
> Because the ash particles are statically loaded, they may interfere with the radio traffic.
> Has anyone experienced satellite comunications inteference so far?
> Just out of curiosity...
> Luciano PT9KK
>

3340. Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 08:37:29 UTC
From: Al
Topic: 3337 Message: 3340

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> Very good question.I'm in south east Romania and all is ok. I make observation and photos Mars-Gemini with my 114mm Newtonian telescope at the same magnitude. So optic nothing change. The same good signal for LEO. Even i hear on 17 evening KP4AO on west.They say that is danger to fly but where is the cloud? For the moment, optic and radio all is the same except the news.

The plume is affecting the UK and some parts of Europe. This morning, the UK airports all appear to be closed again. I live and work close to Glasgow Airport and it is dead again today. We are enjoying hearing the birds rather than screaming jet engines. It has been very quiet here for days now.

The European Space Agency (ESA) have been monitoring the ash plume from space and have posted an animated movie at ..
http://www.esa.int/esaCP/SEMKDU9MT7G_index_0.html

Although like the remainder of the UK, the West of Scotland where I live is a no-fly zone, the sky *looks* relatively clear, even at night with the telescope, but we are seeing light dust deposits on cars and other surfaces, so the fine ash is coming down, but is very light here. I'm told the problem is worse in the North East of Scotland and elsewhere in the UK. The dust cloud appears to have crossed from Iceland the North of Scotland then tracked down the East coast of the UK to spread out over the South of England. The authorities are reluctant to allow aircraft to fly because if the dust is ingested into a turbine engine core, it gets re-melted into small droplets of hot lava inside the 'hot' section of the engine. The particles can also cause damage to aircraft structures and cause erosion of turbine blades. So although we can't see much, the dust is out there. It seems to be having no effect on radio communications.

73 Al.
GM1SXX

3341. Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 13:41:25 UTC
From: st2nh
Topic: 3337 Message: 3341

Hi all
During a heavy sand storm (A heavy storm with visibility of only 500 meters) I used to work FM birds .Some where in the net I've read a good article about rain drops and satellite signal attenuation !! Sry I lost the link.

73's Nader

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@> wrote:
> >
> > Very good question.I'm in south east Romania and all is ok. I make observation and photos Mars-Gemini with my 114mm Newtonian telescope at the same magnitude. So optic nothing change. The same good signal for LEO. Even i hear on 17 evening KP4AO on west.They say that is danger to fly but where is the cloud? For the moment, optic and radio all is the same except the news.
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>
> 73 Al.
> GM1SXX
>

3342. Re: [eu-amsat] Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 13:54:18 UTC
From: Luc Leblanc
Topic: 3337 Message: 3342

Winds are probably shifting as the ashes cloud is heading toward New foundland this morning airport are closed on the island.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3343. RE: [eu-amsat] Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 13:56:10 UTC
From: John Hackett
Topic: 3337 Message: 3343

Hello Nader,
I've also operated from the middle of the Sahara Desert in a sandstorm
but admittedly, on HF - but with no detremental effects propagation-wise.

The only 'precaution'' taken was to line up the troops under the aerial and 'irrigate'
the sand as a pseudo groundplain (!) ... 'watering' the sand in tact with my keying.

73 John. <la2qaa@amsat.org>
To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Mon, 19 Apr 2010 13:41:25 +0000
Subject: [eu-amsat] Re: Vulcanic Ashes

Hi all

During a heavy sand storm (A heavy storm with visibility of only 500 meters) I used to work FM birds .Some where in the net I've read a good article about rain drops and satellite signal attenuation !! Sry I lost the link.

73's Nader

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>

> --- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@> wrote:

> >

> > Very good question.I'm in south east Romania and all is ok. I make observation and photos Mars-Gemini with my 114mm Newtonian telescope at the same magnitude. So optic nothing change. The same good signal for LEO. Even i hear on 17 evening KP4AO on west.They say that is danger to fly but where is the cloud? For the moment, optic and radio all is the same except the news.

>

> The plume is affecting the UK and some parts of Europe. This morning, the UK airports all appear to be closed again. I live and work close to Glasgow Airport and it is dead again today. We are enjoying hearing the birds rather than screaming jet engines. It has been very quiet here for days now.

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> The European Space Agency (ESA) have been monitoring the ash plume from space and have posted an animated movie at ..

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>

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>

> 73 Al.

> GM1SXX

>

3344. RE: [eu-amsat] Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 14:34:47 UTC
From: Luciano Gasparini Nachif
Topic: 3337 Message: 3344

Back in 2003 till end of 2006 I operated from Kuwait. It was hard to hit the birds with an IC-W32A HT and Arrow antenna whenever we had sandstorms. On the other side, I could listen to good western music from FM stations in Dubai.
That's all I can think of right now.
73,
Luciano Gasparini
PT9KK

3345. RES: [eu-amsat] Re: Vulcanic Ashes

Yahoo group: eu-amsat
Date: 2010-04-19 14:58:05 UTC
From: PY5LF
Topic: 3337 Message: 3345

Luciano (xará)

Where are you now ? Brazil ? I never heard you on sats over here .

Will be a pleasure talk with you .

73

PY5LF

LUCIANO FABRICIO

CURITIBA-PR-BRAZIL

GG54JM

<http://www.qrz.com/db/py5lf> http://www.qrz.com/db/py5lf

<http://www.falautomation.com.br/> www.falautomation.com.br

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Em nome de Luciano Gasparini Nachif
Enviada em: segunda-feira, 19 de abril de 2010 11:35
Para: eu-amsat@yahoogroups.com
Assunto: RE: [eu-amsat] Re: Vulcanic Ashes

Back in 2003 till end of 2006 I operated from Kuwait. It was hard to hit the birds with an IC-W32A HT and Arrow antenna whenever we had sandstorms. On the other side, I could listen to good western music from FM stations in Dubai.

That's all I can think of right now.

73,

Luciano Gasparini

PT9KK

3346. Re: [amsat-bb] AO-51 V/S

Yahoo group: eu-amsat
Date: 2010-04-20 13:14:17 UTC
From: Luc Leblanc
Topic: 3346 Message: 3346

On 20 Apr 2010 at 2:24, Bob- W7LRD wrote:

Date sent: Tue, 20 Apr 2010 02:24:55 +0000 (UTC)
From: Bob- W7LRD <w7lrd@...>
Subject: [amsat-bb] AO-51 V/S
To: amsat-bb@...

>
>
> This last pass worked W6YX and heard Kerry, WC7V. Noticed some very deep fades.
>
> 73 Bob W7LRD

Did anyone ever tested their downconverter who is basically a receiver to measure the amouint of desense the WI-FI , spread spectrum and
frequency hopper device and so on produce on 2.4Ghz?

Desense is very noticeable on VHF and UHF when a transmitter is transmitting near a receiver as per i can see on a PCR-1000 scope screen
there is always a 10db noise floor but i'm not sure if this level is not really much higher as the scope seems to not be fast enough to
display the real peak level of all the signal on 2.4Ghz.

If a fairly high amount of desense is always present this could explain why the downconverter is lacking sensitivity and why some normal
fades appears deeper than they really are. And what is worse is the WI-FI QRM is also right on the received 2.4Ghz amateur band.

Here i have to switch off my WI-FI router and my 2.4Ghz camera when i want to listen on 2.4Ghz and the camera is the worse as she give 30
over 9 very wide spread signal.

Opinions are welcome.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3347. Re: [amsat-bb] Re: AO-51 V/S

Yahoo group: eu-amsat
Date: 2010-04-20 18:28:50 UTC
From: Luc Leblanc
Topic: 3347 Message: 3347

On 20 Apr 2010 at 17:38, Bob- W7LRD wrote:

Date sent: Tue, 20 Apr 2010 17:38:07 +0000 (UTC)
From: Bob- W7LRD <w7lrd@...>
Subject: Re: [amsat-bb] Re: AO-51 V/S
To: Luc Leblanc <lucleblanc6@...>
Copies to: eu-amsat@yahoogroups.com, amsat-bb@...

>
>
> Hi Luc and all
>
>I am using a Transystem 3731AA downconverter. Also an old Kenwood TS-700A for the tunable IF. I have compared Keps 13LNC-PH
downconverter against the 3731.
>The 3731 is virtually immune to desense to 2M tx as well as wifi etc. However the Keps (pricey) is affected by the 2M tx. Without the
>noise blanker turned on in the TS-700 I get lots of snapping, popping from wireless phones, wifi etc. The noise blanker in this old 700
>is superb, better that the one in my 910! Go figure! Mind you this is all empirical evaluation using nothing but my ears. I have heard
>the filter in the 3731 is better than most. I will be shipping some of my dc's soon to a fellow who can give a very accurate evaluation
>on these devices. Hope this helps Luc, see you on S band!
>
> 73 Bob W7LRD
>
>
Hi Bob

I have the same DC but my IF is on 123mhz and i got no desense at all on 2M but that's the 2.4Ghz RF your "snapping, popping" who i think
is could be reducing the RF sensitivity of the DC. The AIDC was design to received MMDS TV where channels where isolated from each other
and they was no other QRM on the original band this downconverter was design for. How he's performing on a band full of QRM that i don't
know and it will be something to test to see if the DC keep his same sensitivity when is QRMed on 2.4Ghz.

Adding some sort of flitration is could be a way to reduce any 2.4Ghz desense if any and what the noise blanker does is to suppress the
pops and clicks but he cannot reduce the overall QRM level.

Our regular Ham receiver can be tweaked for the best reception possible but with a DC we are stuck with a static passband, no way to reduce
the RF level and so on.

I don't know how wide the AIDC 3731AA front end was but to be able to receive TV signals it should be quite wide and he should pass a lot
more than 15KC?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
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3348. AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-04-21 11:53:08 UTC
From: rw3xl
Topic: 3348 Message: 3348

Today I calling CQ cw via VO52 around 05.55UTC and find, that F2IL calling me, I heard him strong but about 2KHz down. We has many QSO's with F2IL, but via "old but great" AO7. At this moment I don't understand why He call me RW9XL, but he answer and I give a report for him. At the middle of the day I open AO7-logbook page and find record from F2IL, when he write QSO with me in mode A... It was the surprise for me. How? I have not 29MHz. But when I track my Orbitron back to 05.55UTC I understand - We work on different satellites :) Uplink AO7 in mode A and Uplink FO29 are crossed, but I listen downlink at 435Mhz and F2IL at 29MHz.

3349. Re: AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-04-21 12:07:43 UTC
From: rw3xl
Topic: 3348 Message: 3349

Of course, I calling CQ via FO29.

3350. Re: [eu-amsat] AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-04-21 12:13:59 UTC
From: Thomas Frey
Topic: 3348 Message: 3350

rw3xl schrieb:
> Today I calling CQ cw via VO52 around 05.55UTC and find, that F2IL calling me, I heard him strong but about 2KHz down. We has many QSO's with F2IL, but via "old but great" AO7. At this moment I don't understand why He call me RW9XL, but he answer and I give a report for him. At the middle of the day I open AO7-logbook page and find record from F2IL, when he write QSO with me in mode A... It was the surprise for me. How? I have not 29MHz. But when I track my Orbitron back to 05.55UTC I understand - We work on different satellites :) Uplink AO7 in mode A and Uplink FO29 are crossed, but I listen downlink at 435Mhz and F2IL at 29MHz.
>
>

Hello Igor

Congratulations for your cross-sat-QSO. But I think it was with FO-29
and not VO-52. I will write a note in my OSCAR - News about your QSO.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3351. RE: [eu-amsat] AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-04-21 12:37:01 UTC
From: John Hackett
Topic: 3348 Message: 3351

Privet Igor,
Good one !!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Wed, 21 Apr 2010 11:53:08 +0000
Subject: [eu-amsat] AO7 mode A alternative :)

Today I calling CQ cw via VO52 around 05.55UTC and find, that F2IL calling me, I heard him strong but about 2KHz down. We has many QSO's with F2IL, but via "old but great" AO7. At this moment I don't understand why He call me RW9XL, but he answer and I give a report for him. At the middle of the day I open AO7-logbook page and find record from F2IL, when he write QSO with me in mode A... It was the surprise for me. How? I have not 29MHz. But when I track my Orbitron back to 05.55UTC I understand - We work on different satellites :) Uplink AO7 in mode A and Uplink FO29 are crossed, but I listen downlink at 435Mhz and F2IL at 29MHz.

3352. W1RJA EME event, Echoes of Apollo

Yahoo group: eu-amsat
Date: 2010-04-21 20:33:47 UTC
From: Luc Leblanc
Topic: 3352 Message: 3352

W1RJA EME event, Echoes of Apollo

Aside of the "Pickle dipole" did any one have an idea of their setup? (Amp power and # of beam element) A linear amp and the beam stacking
is giving the required ERP on the TX side and the 3db stacking gain seems to make the difference between reception just at the noise level
and something above the noise. This EME was a good overall satellite station test. 50 watts and one single beam was too borderline to have
a decent 2 way contact but without the real Arecibo ERP TX figures it is hard to say if a setup is below standard equal or above.

http://www.youtube.com/watch?v=ZutOfYLPIMY
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3353. Re: [amsat-bb] Re: Arecibo on 432 MHz Moon Bounce (some calculations)

Yahoo group: eu-amsat
Date: 2010-04-22 06:22:10 UTC
From: Luc Leblanc
Topic: 3353 Message: 3353

>
> On 4/21/2010 6:14 PM, David - KG4ZLB wrote:
> > That because we English do it that way. The rest of the Europe,
> > Germany and France for instance, seem to like inserting a comma instead!
> >
> > :-D
> >
> > David
> > KG4ZLB

It's an old habit like stapling documents at the left instead of the right! but what about driving at the right instead of the left? In
both case the result is the same! sheets of paper are stuck and cars are running on the roads. Did they staple their documents at the right
in UK?

The answer we are all looking for is how much was the real ERP at the Arecibo moon experiment and the side illumination of the dish should
not introduce some losses as the lobe should be adjusted through the feed to track the moon but no one ever mention this?

Did they keep the feed in a general aiming position making the moon passing through the lobes? Or are they tracking the moon always with
the main lobe? We should not take these figures theoretical as cash. Effective radiated power is could be much more lower than figures
says.

Did they measure the real power at the feed? I remember to have read somewhere some feed loss figures.

My guess also is that many are probably receiving (in the range of) ground wave or a reflected tropo scatter or weather inversion ducting
instead of the moon reflection!

"-"

Luc Leblanc VE2DWE
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WAC BASIC CW PHONE SATELLITE

"-"

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3354. Deployable Solar Panels on a 1U CubeSat

Yahoo group: eu-amsat
Date: 2010-04-22 23:50:10 UTC
From: Trevor .
Topic: 3354 Message: 3354

Interesting presentation by Abhishek Bajpayee, see

Live streaming of CubeSat workshop
http://www.southgatearc.org/news/april2010/cubesat_live_stream.htm

A number of other presentations from the first two days are also available via the live streaming URL

73 Trevor M5AKA

3355. HO-68

Yahoo group: eu-amsat
Date: 2010-04-24 11:45:33 UTC
From: John Hackett
Topic: 3355 Message: 3355

Group,
More confirmation that HO-68 is a wonderful satellite.

The pass on Friday evening at 230420101815Z covered from Spain in the west to Pakistan in the east - and from northern Norway in the north to southern Sudan in the south.

That's *WELL* over 50 countries.

It was a bonus working 'BOTH' Domenico (I8CVS) 'AND' Igor (RW3XL) on the same pass.

Igor tells me he's been working cross satellite quite frequently lately ... between HO-69 and AO-7 as well as HO-68 and FO-29.

His cross satellite and my knife-edge propagation mode make operating amateur satellites really interesting.

Well done! Cansat.

73 John.

3356. CubeSat Thruster Presentation

Yahoo group: eu-amsat
Date: 2010-04-24 21:31:47 UTC
From: m5aka
Topic: 3356 Message: 3356

The development of a CubeSat mono-propellant thruster is mentioned about 1:54 into this presentation video

http://www.ustream.tv/recorded/6386684

Glasgow based Solar Panel and CubeSat systems company Clyde Space have a presentation slightly earlier in the video.

Other CubeSat videos at
http://www.ustream.tv/channel/CubeSatWorkshop/v3

73 Trevor M5AKA

3357. HO-68 versus AO-51

Yahoo group: eu-amsat
Date: 2010-04-25 20:50:07 UTC
From: John Hackett
Topic: 3357 Message: 3357

HO-68 v AO-51 ??.

HO-68
versus AO-51 - and the university downlink only satellites - (aka the FM
menagerie).

In my honest opinion it's a 'no contest' scenario -
with HO-68 winning hands down.

The two main reasons for me making
this claim are ...

1) HO-68's superior orbit.

2) It's
multi-mode transponders.

On a typical European pass an HO-68
orbit has a footprint the covers from Spain in the west to India in the
east, Norway in the north to Sudan in the south ... and all points in
between.

Whereas AO-51 is FM only ... HO-68 has transponders for
CW, SSB as well as FM.

HO-68 is (IMHO) easier to operate due to
it needing less power to get into the transponders, albeit, to really
take advantage of that, a knowledge of CW is required, which *STILL*
shows it's great advantage as weak signal mode.

When all else
fails ... switch to CW.

Igor, RW3XL has been operating cross-satellite with HO-68 to VO-52 and HO-68 to
AO-7 ... keying the up down buttons for CW since his keyer is on the blink.

For those wanting to learn, the 200mW beacon sends *SLOW* morse and it's copyable on a
piece of wet string wrapped round a rusty six inch nail.

I've proved this over and over on HO-68
at the beginning of passes when the elevation is under 20 degrees and a
SSB just can't make it - switch to CW - Q5 copy - (Domenico, I8CVS
will endorse that).

I believe that HO-68 is becoming the
experienced 'operator's' satellite while AO-51 will remain the platform
for the potential newcomer ... where they can QRM eachother to their
heart's content ... more power Egon ... MORE POWER !!! ... (with due

apologies to the Hollywood film 'Frankenstein').

For me at least,
HO-68 has brought the fun back into amateur satellite operating,
particularly on CW ... akin to RS-10, the most popular satellite ever -
(judged by the amount of users) - after the veritable old AO-7.

While
everyone is entitled to his or her opinion, operating FM on a satellite
is about as much fun for me as watching paint dry and is, in my
opinion, the worst possible way to introduce a potential newcomer to
amateur satellites. My EU-Amsat co-founder, SV1BSX
(SK) first used
the word 'zoo' to describe the AO-51 standard of operating.

There
ought to be a sign on the microphone ... PLEASE DON'T FEED THE ANIMALS.

73
John. <la2qaa@...>

3358. Re: HO-68 versus AO-51

Yahoo group: eu-amsat
Date: 2010-04-26 18:06:15 UTC
From: st2nh
Topic: 3357 Message: 3358

New Easy Sat!

Thank you very much OM John for the nice post.

Once upon a time an old man told me"My son you will never get a DXCC on LEO" !! Time change and Now there were more than 50 dxcc in one foot print of HO-68!! unfurtunitly the active satations are vere rare in Africa Asia and Midle east !! nowadays only 4 or 5 Entities active from Africa ST,ZS,TR and 5R !!

IMHO this is a good time to QST the easiness of HO-68 .I hope every station on Africa Asia and Midle east try to work the new 'easy sat' .

73 de Nader ,st2nh
---

wrote:
>
>
> HO-68 v AO-51 ??.
>
> HO-68
> versus AO-51 - and the university downlink only satellites - (aka the FM
> menagerie).
>
> In my honest opinion it's a 'no contest' scenario -
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>
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>
> For those wanting to learn, the 200mW beacon sends *SLOW* morse and it's copyable on a
piece of wet string wrapped round a rusty six inch nail.
>
> I've proved this over and over on HO-68
> at the beginning of passes when the elevation is under 20 degrees and a
> SSB just can't make it - switch to CW - Q5 copy - (Domenico, I8CVS
> will endorse that).
>
> I believe that HO-68 is becoming the
> experienced 'operator's' satellite while AO-51 will remain the platform
> for the potential newcomer ... where they can QRM eachother to their
> heart's content ... more power Egon ... MORE POWER !!! ... (with due
> apologies to the Hollywood film 'Frankenstein').
>
> For me at least,
> HO-68 has brought the fun back into amateur satellite operating,
> particularly on CW ... akin to RS-10, the most popular satellite ever -
> (judged by the amount of users) - after the veritable old AO-7.
>
> While
> everyone is entitled to his or her opinion, operating FM on a satellite
> is about as much fun for me as watching paint dry and is, in my
> opinion, the worst possible way to introduce a potential newcomer to
> amateur satellites. My EU-Amsat co-founder, SV1BSX
> (SK) first used
> the word 'zoo' to describe the AO-51 standard of operating.
>
> There
> ought to be a sign on the microphone ... PLEASE DON'T FEED THE ANIMALS.
>
> 73
> John. <la2qaa@...>
>

3359. RE: More power Egon!!

Yahoo group: eu-amsat
Date: 2010-04-26 18:15:12 UTC
From: John Hackett
Topic: 3359 Message: 3359

Hello Nader,
Thanks for the links, much appreciated. It seems even the Americans are starting to take EU-Amsat seriously.

All thanks to the excellent support (posts) from many members.

I followed your own BLOG to set up WISP with MixW - specifically for HO-68.
I remember Howard Long did this several years ago for UO-22. Other amateurs have also contributed and passed along the information.

That's what it's all about, helping eachother ... and your BLOGS do just that.

Thanks Nader. As the only active African station (so far) your contributions are very much appreciated.

73 John. <la2qaa@...>

3360. RE: [eu-amsat] Re: HO-68 versus AO-51

Yahoo group: eu-amsat
Date: 2010-04-26 18:34:47 UTC
From: John Hackett
Topic: 3357 Message: 3360

Nader,
you're absolutely right. It *IS* time to encourage more stations in Africa, Asia and The Middle East to operate HO-68.

I noticed in the last linear period (last week) India as well as most countries in central and north Africa were in the footprint. As you correctly state, more than 50 countries!.

(Strange you should say that because I mentioned the very fact of DXCC on HO-68 to GM1SXX just 2 days ago).

Lets hope everybody *WILL* encourage potential newcomers from Africa, Asia and The Middle East.

Amsat-UK and Amsat-India please note.

73 John. <la2qaa@...>

3361. 'UPW' and HO-68

Yahoo group: eu-amsat
Date: 2010-04-26 21:38:11 UTC
From: John Hackett
Topic: 3361 Message: 3361

Group,
For the digitally interested ...

As well as Guy's (ON6MU) excellent UISS (unnumbered information) packet program, HO-68 operators may be interested in the following ...
.....
.....

John Hackett wrote:
KA2UPW de LA2QAA.

> Hello Doug,
> Long time no see. It's been stated that WISP is the *only*
>program that will run the Pacsat protocol for HO-68 using only a
>soundcard as a TNC.
>
> I seem to recall your 'APW' also did the necessary Manchester
> encoding, is that right ??.
>
> I noticed that 'HOMETOWN' shut down a long time ago now - so I can't
> trace a copy
> of UPW.
>
> I assume you still have it.
>
> Can you post a copy somewhere on the web where I could download it please.
>
> I did used to have the program but I lost it on a previous computer.
>
> 73 John. <la2qaa@...>

Yes, hometown shut down. Everything is published on the "new" website.
The "new" website is www.quagliana.com and if you just want UPW then
jump to www.quagliana.com/upw for the webpage or for the program go to
www.quagliana.com/upw/upw107b.zip

But UPW only does 1200 baud Manchester, and was really intended for
single packet digipeating, not BBS access via WISP. Also, I think
you have to select a satellite in UPW, which sets one of the VIA fields
in the AX.25 packet, so I probably have to update it to include HO-68.

Do you know the digipeater name to digipeat VIA for HO-68 ?

Douglas KA2UPW.
.....

I've given Douglas the required information and asked him to update his UPW program. I'll post a note on the reflector when this is done.

73 John. <la2qaa@...>

3362. Re: [eu-amsat] Re: HO-68 versus AO-51

Yahoo group: eu-amsat
Date: 2010-04-26 23:09:24 UTC
From: Thomas Frey
Topic: 3357 Message: 3362

John Hackett schrieb:
>
>
> Nader,
> you're absolutely right. It *IS* time to encourage more
> stations in Africa, Asia
> and The Middle East to operate HO-68.
>
> I noticed in the last linear period (last week) India as well as most
> countries in central
> and north Africa were in the footprint. As you correctly state, more
> than 50 countries!.
>
> (Strange you should say that because I mentioned the very fact of DXCC
> on HO-68 to GM1SXX just 2 days ago).
>
> Lets hope everybody *WILL* encourage potential newcomers from Africa,
> Asia and The Middle East.
>
> Amsat-UK and Amsat-India please note.
>
> 73 John. <la2qaa@...>
>

Hello John

You can try to make a sked with Indian HAMs in this group:
http://groups.yahoo.com/group/vusat/

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3363. Re: [eu-amsat] 'UPW' and HO-68

Yahoo group: eu-amsat
Date: 2010-04-26 23:22:15 UTC
From: Thomas Frey
Topic: 3361 Message: 3363

Hello John again and group

HO-68 uses simple 1200 bps Packet Radio with Bell-tones 1200/2200 Hz and
not Manchester encoded FSK (MFSK). If you want to digipeat, the digipeater
must be activated. You can see it in the telemetry-line. "D:0" means off,
"D:1" means on.

John Hackett schrieb:
>
>
> Group,
> For the digitally interested ...
>
> As well as Guy's (ON6MU) excellent UISS (unnumbered information)
> packet program, HO-68 operators may be interested in the following ...
> .....
.....
>
> John Hackett wrote:
> KA2UPW de LA2QAA.
>
> > Hello Doug,
> > Long time no see. It's been stated that WISP is the *only*
> >program that will run the Pacsat protocol for HO-68 using only a
> >soundcard as a TNC.
> >
> > I seem to recall your 'APW' also did the necessary Manchester
> > encoding, is that right ??.
> >
> > I noticed that 'HOMETOWN' shut down a long time ago now - so I can't
> > trace a copy
> > of UPW.
> >
> > I assume you still have it.
> >
> > Can you post a copy somewhere on the web where I could download it please.
> >
> > I did
> used to have the program but I lost it on a previous computer.
> >
> > 73 John.<la2qaa@...>
>
>
> Yes, hometown shut down. Everything is published on the "new" website.
> The "new" website is www.quagliana.com and if you just want UPW then

> jump to www.quagliana.com/upw for the webpage or for the program go to
> www.quagliana.com/upw/upw107b.zip
>
> But UPW only does 1200 baud Manchester, and was really intended for
> single packet digipeating, not BBS access via WISP. Also, I think
> you have to select a satellite in UPW, which sets one of the VIA fields
> in the AX.25 packet, so I probably have to update it to include HO-68.
>
> Do you know the digipeater name to digipeat VIA for HO-68 ?
>
> Douglas KA2UPW.
> .....
>
> I've given Douglas the required information and asked him to update his
> UPW program. I'll post a note on the reflector when this is done
> .
>
> 73 John.<la2qaa@...>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3364. RE: [eu-amsat] Re: HO-68 versus AO-51

Yahoo group: eu-amsat
Date: 2010-04-27 08:09:04 UTC
From: John Hackett
Topic: 3357 Message: 3364

Hello Thomas,
Thanks for your help.

Two things ... I'm not interested in 'DX' ... I've got plenty of DXXCC's for various modes. My comments were a reflection of something Nader said, aimed at potential newcomers.

However, somewhere where I 'COULD* use some help ...

I'm most definately *NOT* a packet expert though I did used to occasionally work the Pacsats with a PSK1 modem.

Again, building on one of Nader's comments and his excellent blog I thought packet on HO-68 without a soundcard might also be something for the newcomer ...

However !!! ... I failed to get WISP and MixW working together and my thoughts were ... if IO can't do it, it's unlikely a newcomer would manage it ... unless they were a computer expert.

There *ARE* instructions on the web of course but i havn't learned to speak Japanese yet.

What we need is step bu step instructions for *STUPID* people like me. The nearest I've found is G6LVB's instructions for wisp/MixW from 2002 for UO-11 ... but I can't even manage that !!! properly either.

OK !!! ... maybe it has something to do with my inherent laziness (!) which, incidentally, I have perfected to 'a fine art' ... but what we need is a 'talk-through' SET-UP FOR DUMMIES ... WISP with MixW.

(I've got WISP set up correctly for GO-68, I've got MixW set up correctly for Packet, I've got VSPE on the computer ... I just can''t get the COM ports to work together.

When somebody says ''digital' ... I hit the key ... he he he.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 27 Apr 2010 01:09:24 +0200
Subject: Re: [eu-amsat] Re: HO-68 versus AO-51

John Hackett schrieb:

>

>

> Nader,

> you're absolutely right. It *IS* time to encourage more

> stations in Africa, Asia

> and The Middle East to operate HO-68.

>

> I noticed in the last linear period (last week) India as well as most

> countries in central

> and north Africa were in the footprint. As you correctly state, more

> than 50 countries!.

>

> (Strange you should say that because I mentioned the very fact of DXCC

> on HO-68 to GM1SXX just 2 days ago).

>

> Lets hope everybody *WILL* encourage potential newcomers from Africa,

> Asia and The Middle East.

>

> Amsat-UK and Amsat-India please note.

>

> 73 John. <la2qaa@...>

>

Hello John

You can try to make a sked with Indian HAMs in this group:

http://groups.yahoo.com/group/vusat/

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3365. RE: [eu-amsat] 'UPW' and HO-68

Yahoo group: eu-amsat
Date: 2010-04-27 08:23:41 UTC
From: John Hackett
Topic: 3361 Message: 3365

Thomas,
Does this mean that any !!! soundcard packet will work non HO-68 ??.

For instance MixW alone ??.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 27 Apr 2010 01:22:15 +0200
Subject: Re: [eu-amsat] 'UPW' and HO-68

Hello John again and group

HO-68 uses simple 1200 bps Packet Radio with Bell-tones 1200/2200 Hz and

not Manchester encoded FSK (MFSK). If you want to digipeat, the digipeater

must be activated. You can see it in the telemetry-line. "D:0" means off,

"D:1" means on.

John Hackett schrieb:

>

>

> Group,

> For the digitally interested ...

>

> As well as Guy's (ON6MU) excellent UISS (unnumbered information)

> packet program, HO-68 operators may be interested in the following ...

> .....
.....

>

> John Hackett wrote:

> KA2UPW de LA2QAA.

>

> > Hello Doug,

> > Long time no see. It's been stated that WISP is the *only*

> >program that will run the Pacsat protocol for HO-68 using only a

> >soundcard as a TNC.

> >

> > I seem to recall your 'APW' also did the necessary Manchester

> > encoding, is that right ??.

> >

> > I noticed that 'HOMETOWN' shut down a long time ago now - so I can't

> > trace a copy

> > of UPW.

> >

> > I assume you still have it.

> >

> > Can you post a copy somewhere on the web where I could download it please.

> >

> > I did

> used to have the program but I lost it on a previous computer.

> >

> > 73 John.<la2qaa@...>

>

>

> Yes, hometown shut down. Everything is published on the "new" website.

> The "new" website is www.quagliana.com and if you just want UPW then

> jump to www.quagliana.com/upw for the webpage or for the program go to

> www.quagliana.com/upw/upw107b.zip

>

> But UPW only does 1200 baud Manchester, and was really intended for

> single packet digipeating, not BBS access via WISP. Also, I think

> you have to select a satellite in UPW, which sets one of the VIA fields

> in the AX.25 packet, so I probably have to update it to include HO-68.

>

> Do you know the digipeater name to digipeat VIA for HO-68 ?

>

> Douglas KA2UPW.

> .....

>

> I've given Douglas the required information and asked him to update his

> UPW program. I'll post a note on the reflector when this is done

> .

>

> 73 John.<la2qaa@...>

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3366. ERROR !!!!!

Yahoo group: eu-amsat
Date: 2010-04-27 08:26:56 UTC
From: John Hackett
Topic: 3366 Message: 3366

Group,
When I said ... "without a soundcard" ... in my previous mail, I did of course mean WITHOUT A PACKET MODEM ...

Told !!!! you I was thick as a brick ... (Stupid).

73 John. <la2qaa@...>

3367. (no subject)

Yahoo group: eu-amsat
Date: 2010-04-27 12:09:24 UTC
From: John Hackett
Topic: 3367 Message: 3367

Group,
HO-68 digital without a TNC ... using WISP with MixW.

I have WISP set up correctly on COM 1, I have MixW set up correctly on COM 3.
I have VSPE on the computer ... but cannot see how I connect COM 1 to COM 3.

There's a 'slight' possibility it *MAY* be due to my not understanding JE9PEL's Japanese ... or ... it could also have something to do with being entirely bone idle and thick as a brick ... (he means *STUPID*, folks.....GM1SXX).

C'mon !!!! ... how many amateurs read instructions ... and more to the point, how many understand! them.

Anyone care to enlighten me as to how I 'virtually' connect COM 1 and COM 3 together with VSPE ??.

73 John. <la2qaa@...>

JE9PEL

3368. Re: [eu-amsat] 'UPW' and HO-68

Yahoo group: eu-amsat
Date: 2010-04-27 12:33:42 UTC
From: Thomas Frey
Topic: 3361 Message: 3368

John Hackett schrieb:
>
>
> Thomas,
> Does this mean that any !!! soundcard packet will work non
> HO-68 ??.
>
> For instance MixW alone ??.
>
> 73 John.

Hello John and group

I try to explain the various Packet Radio modes:

If you want to work with your local BBS or the box on ISS, you can use every soundcard-packet-radio-program which handles 1200 bps AFSK AX.25 Packet Radio.

- 1200 bps is the speed of 1200 bits/second
- AFSK is the modulation Audio Frequency Shift Keying with Bell-tones (1200/2200 Hz)
- AX.25 is the communication protocol (X.25 for Amateur Radio)

This is the archetype of Packet Radio.

With Fuji-OSCAR-12 came the "Fuji-Mode" with Manchester encoded FSK (MFSK) in the
uplink and Binary Phase Shift Keying (BPSK) in the downlink. MFSK is modulated with
FM, BPSK is demodulated with USB. AO-16, WO-18 (only downlink), LO-19, FO-20, IO-26
and FO-29 used also this *Fuji-Mode".

Douglas Quagliana, KA2UPW, wrote the program UPW for MFSK uplink to send APRS
formatted Packets via the "Fuji-Mode"-Satellites (remarked above).

There is also 9600 bps FSK which I don't further explain now. This for MODULATION,
now the COMMUNICATION PROTOCOL.

Packet Radio uses the AX.25 protocol. For the PACSats Chris Jackson, ZL2TPO (G0???),
wrote the PACSAT-protocol at the Univerity of Surrey in Guildford and implemented
it into his program WiSP. This protocol hooks up as additional layer on

AX.25 and
is used from AO-16, WO-18, LO-19, IO-26 and new HO-68.

HO-68 uses common AFSK 1200 bps Packet Radio but with the PACSAT communication
protocol. Nader found a software solution for WiSP and MixW with a virtual com port
program, if I remember me right.

I hope, this explanations helps you to understand the whole "menagerie". I knows
that many OMs, also programmers, are confused with the notions and produces
mistakes. But we HAMs are communication specialists and should be more careful
with items and notions.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3369. RE: [eu-amsat] 'UPW' and HO-68

Yahoo group: eu-amsat
Date: 2010-04-27 15:48:43 UTC
From: John Hackett
Topic: 3361 Message: 3369

Thomas,
An easy to understand and well written explanation of the different methods
of packet on satellites.

I understood it very well. Thank you.

Yes, i used the setup from Nader's Blog but unfortunatelyi didn't understand how to
get my two COM ports (1 and 3) to talk to eachother with the VSPE program.

I suppose I'm going to have to bite the bullet and actually read !! the instructions.

Work.

Arghhhhhhhhhh !!!!!!!!

As GM1SXX would say ... "work ... the scourge of the drinking classes"
(With due apology to Oscar Wilde).

73 John. <la2qaa@...>

3370. HO-68 FM.

Yahoo group: eu-amsat
Date: 2010-04-27 17:50:46 UTC
From: John Hackett
Topic: 3370 Message: 3370

Group,
After having just listened to the FM pass of HO-68 (270420101900Z) I stand by my previous comments ... in a word, well, two actually, complete chaos.

We're all aware of the stations with poor receiving equipment but for the *BIG GUN* stations ... there is absolutely no point whatsoever in calling 'CQ satellite' on top of two stations who are already exchanging reports.

The QRP technique of 'tail-ending' is all about 'timing' - (remember the tail !!).

Attempting to stomp into the transponder when it's already in use only increases the chaos factor ... yessssss, we all know about it - so why does it continue ??.

All we can do is repeat over and over again that FM is a *ONE AT A TIME* mode due to capture effect - (usually, the strongest signal wins) - until it eventually sinks in and people start to practice 'operating technique'.

The idea on FM is to give your callsign, a report and your locator ... then let somebody else have a go ... as opposed to long-winded discussions about your stomach pains.
I can assure you, 99.99% of us really arn't interested in what you had for breakfast.

FM via satellite, by it's very nature is a 'contest' type mode, not a rag-chew mode.

Your local repeater is the place to 'entertain'' people with your life story.

Apologies for the 'sour grapes' ... they give me indigestion ... and frustration.

73 John. <la2qaa@...>

73 John. <la2qaa@amsat.org>

3371. Ask the experts.

Yahoo group: eu-amsat
Date: 2010-04-27 18:19:28 UTC
From: John Hackett
Topic: 3371 Message: 3371

Nader,
I'm about to demonstrate my computer illiteracy - (ignorance).

HO-68 ... WISP ... MixW ...

Do I just give both WISP and MixW the same COM port number ... (for instance, COM 2)
then put COM 2 into VSPE and start the emulation ??.

Then ... when HO-68 appears - (in PACKET mode) - start WISP, MixW and the
VSPE emulation ??.

Will WISP then perform 'automatically' ??.

(Both programs are set up correctly, new keps etc).

'Other' stations will *NOT* be excommunicated from the group if they answer the query.

73 John. <la2qaa@...>

3372. FM sat's activity

Yahoo group: eu-amsat
Date: 2010-04-27 22:45:25 UTC
From: murrayhely
Topic: 3372 Message: 3372

Over here in ZL/VK there is no ZOO on the FM Birds. The most I have heard is about 10 stations, say Sunday evening. VO-52 you are stuggling to get a contact. Mode A AO-07 is the same. FO-29 is simulair. The main activity on the linear birds is AO-07. HO-68 the times have been in the middle of the night. I had my first SSB contact through it the other day. It was arranged great signals great satelite.

There are only 2 stations on the linear birds in ZL ZL3MH and ZL2BX and one in VK6 Perth VK6AKI. There are a handfull of stations on in the eartern states of OZ VK2,3,4,5 none in 7

73 Murray ZL3MH

3373. RE: [eu-amsat] FM sat's activity

Yahoo group: eu-amsat
Date: 2010-04-28 08:36:31 UTC
From: John Hackett
Topic: 3372 Message: 3373

Hello Murray,
Sure wish it was that quiet up here!.

Just goes to show you doesn't it, people are never happy ... he he he.

BTW ... I'm the one doing all the complaining so don't thow Kiwi's at the other chaps.

Have a good one Murray.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: murrayhely@...
Date: Tue, 27 Apr 2010 22:45:25 +0000
Subject: [eu-amsat] FM sat's activity

Over here in ZL/VK there is no ZOO on the FM Birds.

The most I have heard is about 10 stations, say

Sunday evening. VO-52 you are stuggling to get a

contact. Mode A AO-07 is the same. FO-29 is simulair.

The main activity on the linear birds is AO-07. HO-68

the times have been in the middle of the night. I had

my first SSB contact through it the other day. It was

arranged great signals great satelite.

There are only 2 stations on the linear birds in ZL

ZL3MH and ZL2BX and one in VK6 Perth VK6AKI. There

are a handfull of stations on in the eartern states

of OZ VK2,3,4,5 none in 7

73 Murray ZL3MH

3374. Heeeeeeeeeeeeeeeeeeelp.

Yahoo group: eu-amsat
Date: 2010-04-29 18:34:26 UTC
From: John Hackett
Topic: 3374 Message: 3374

Nader, Thomas,
I've now sucessfully set up Wisp, MixW and VSPE.

Finally, a *SILLY* question.

Presumably, when a pass is imminent, I run all three programs ... (with VSPE set to ''emulation').

I have Wisp on COM 1, MixW TNC emulation on COM 3, VSPE set to COM 1 =>COM 3 and MixW PTT on COM 2.

Correct ??.

73 John. <la2qaa@...> ... aka ... THE SATELLITE PACKET KID.

KIDDING !!!!!!!!!!

3375. Re: [eu-amsat] Heeeeeeeeeeeeeeeeeeeelp.

Yahoo group: eu-amsat
Date: 2010-04-29 20:49:54 UTC
From: Thomas Frey
Topic: 3374 Message: 3375

John Hackett schrieb:
>
>
> Nader, Thomas,
> I've now sucessfully set up Wisp, MixW and VSPE.
>
> Finally, a *SILLY* question.
>
> Presumably, when a pass is imminent, I run all three programs ...
> (with VSPE set to ''emulation').
>
> I have Wisp on COM 1, MixW TNC emulation on COM 3, VSPE set to COM 1
> =>COM 3
> and MixW PTT on COM 2.
>
> Correct ??.
>
> 73 John. <la2qaa@...> ... aka ... THE SATELLITE PACKET KID.
>
> KIDDING !!!!!!!!!!

John, I would say ... correct. It sounds logically to me. Have you set it up successfully now or is this your question ?

As you eventually knows, I'm using a hardware TNC and have not such problems, hihi. :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3376. Thanks Thomas.

Yahoo group: eu-amsat
Date: 2010-04-29 21:59:24 UTC
From: John Hackett
Topic: 3374 Message: 3376

Hi Thomas,
Yes, the last time I operated packet on a satellite was many years ago
with a PSK1 modem ... also, an MFJ 1278 with a G4RUH 9600 bps card added.

Setting up *without* a TNC is new for me ... but it appears to be working correctly.

At first MixW REFUSED! to operate with VSPE but after I changed the COM ports it was OK.
There was obviously some conflict with my Bluetooth ports.

Not being a 'computer' man - it took me a while to figure it out. Now it looks to be
working OK.

I still prefer QRP CW via satellite though (ex army telegraph instructor) ... the original
'data' mode.

I recently moved into a place for old people so my 'array' is a *LOT* smaller now than it
used to be. Still, the QRP and small array make it a challenge. I have enough 'countries'
and DXCC''s from the 1980's sunspot cycle so I don't need anymore 'wallpaper'.

Brag tape.

I was G-QRP 74. One of the first IOTA stations and RSARS (Royal Signals Amateur
radio Society) 1654 ... so I've been playing radio for while - (1966) - 44 years so far.

Thanks for taking the time to answer Thomas, very much appreciated.

Have a good day!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 29 Apr 2010 22:49:54 +0200
Subject: Re: [eu-amsat] Heeeeeeeeeeeeeeeeeeeelp.

John Hackett schrieb:

>

>

> Nader, Thomas,

> I've now sucessfully set up Wisp, MixW and VSPE.

>

> Finally, a *SILLY* question.

>

> Presumably, when a pass is imminent, I run all three programs ...

> (with VSPE set to ''emulation').

>

> I have Wisp on COM 1, MixW TNC emulation on COM 3, VSPE set to COM 1

> =>COM 3

> and MixW PTT on COM 2.

>

> Correct ??.

>

> 73 John. <la2qaa@...> ... aka ... THE SATELLITE PACKET KID.

>

> KIDDING !!!!!!!!!!

John, I would say ... correct. It sounds logically to me. Have you set

it up successfully now or is this your question ?

As you eventually knows, I'm using a hardware TNC and have not such

problems, hihi. :-)

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3377. TK - Corsica

Yahoo group: eu-amsat
Date: 2010-04-30 11:51:09 UTC
From: yo9gjx
Topic: 3377 Message: 3377

Marko S57ORG is active from Corsica TK/S57ORG/P with very good signal.

3378. WiSP, VSPE&MIXW Setup!

Yahoo group: eu-amsat
Date: 2010-04-30 22:28:54 UTC
From: st2nh
Topic: 3374 Message: 3378

Hi OM John
You almost done!

Note the sound mixer setup!try to listen to the packet via PC speaker and on air.
Human ear can detect any sound but the bird BBS and WiSP are not!
Take your time and enjoy testing your setup OM.
see u on BBS John.

73's Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hi Thomas,
> Yes, the last time I operated packet on a satellite was many years ago
> with a PSK1 modem ... also, an MFJ 1278 with a G4RUH 9600 bps card added.
>
> Setting up *without* a TNC is new for me ... but it appears to be working correctly.
>
> At first MixW REFUSED! to operate with VSPE but after I changed the COM ports it was OK.
There was obviously some conflict with my Bluetooth ports.
>
> Not being a 'computer' man - it took me a while to figure it out. Now it looks to be
working OK.
>
> I still prefer QRP CW via satellite though (ex army telegraph instructor) ... the
original
> 'data' mode.
>
> I recently moved into a place for old people so my 'array' is a *LOT* smaller now than it
used to be. Still, the QRP and small array make it a challenge. I have enough 'countries'
and DXCC''s from the 1980's sunspot cycle so I don't need anymore 'wallpaper'.
>
> Brag tape.
>
> I was G-QRP 74. One of the first IOTA stations and RSARS (Royal Signals Amateur
> radio Society) 1654 ... so I've been playing radio for while - (1966) - 44 years so far.
>
> Thanks for taking the time to answer Thomas, very much appreciated.
>
> Have a good day!.
>
> 73 John. <la2qaa@...>
>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...

> Date: Thu, 29 Apr 2010 22:49:54 +0200
> Subject: Re: [eu-amsat] Heeeeeeeeeeeeeeeeeeelp.
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>
> John Hackett schrieb:
>
> >
>
> >
>
> > Nader, Thomas,
>
> > I've now sucessfully set up Wisp, MixW and VSPE.
>
> >
>
> > Finally, a *SILLY* question.
>
> >
>
> > Presumably, when a pass is imminent, I run all three programs ...
>
> > (with VSPE set to ''emulation').
>

> >
>
> > I have Wisp on COM 1, MixW TNC emulation on COM 3, VSPE set to COM 1
>
> > =>COM 3
>
> > and MixW PTT on COM 2.
>
> >
>
> > Correct ??.
>
> >
>
> > 73 John. <la2qaa@...> ... aka ... THE SATELLITE PACKET KID.
>
> >
>
> > KIDDING !!!!!!!!!!
>
>
>
> John, I would say ... correct. It sounds logically to me. Have you set
>
> it up successfully now or is this your question ?
>
>
>
> As you eventually knows, I'm using a hardware TNC and have not such
>
> problems, hihi. :-)
>
>
>
> --
>
>
>
> Mit freundlichen Grüssen, Regards, 73
>
> Thomas Frey, HB9SKA
>
> _____
>
>
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>
> http://home.datacomm.ch/th.frey/
>

3379. RE: [eu-amsat] WiSP, VSPE&MIXW Setup!

Yahoo group: eu-amsat
Date: 2010-05-01 12:28:33 UTC
From: John Hackett
Topic: 3374 Message: 3379

Hello Nader,
Well the first message (to ST2N) is already in the MSPE files ready for transmission so it will be interesting to see if it gets transmitted Nader.

73 John.

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Fri, 30 Apr 2010 22:28:54 +0000
Subject: [eu-amsat] WiSP, VSPE&MIXW Setup!

Hi OM John

You almost done!

Note the sound mixer setup!try to listen to the packet via PC speaker and on air.

Human ear can detect any sound but the bird BBS and WiSP are not!

Take your time and enjoy testing your setup OM.

see u on BBS John.

73's Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

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>

> Hi Thomas,

> Yes, the last time I operated packet on a satellite was many years ago

> with a PSK1 modem ... also, an MFJ 1278 with a G4RUH 9600 bps card added.

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> Setting up *without* a TNC is new for me ... but it appears to be working correctly.

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> At first MixW REFUSED! to operate with VSPE but after I changed the COM ports it was OK. There was obviously some conflict with my Bluetooth ports.

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> Not being a 'computer' man - it took me a while to figure it out. Now it looks to be working OK.

>

> I still prefer QRP CW via satellite though (ex army telegraph instructor) ... the original

> 'data' mode.

>

> I recently moved into a place for old people so my 'array' is a *LOT* smaller now than it used to be. Still, the QRP and small array make it a challenge. I have enough 'countries' and DXCC''s from the 1980's sunspot cycle so I don't need anymore 'wallpaper'.

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> Brag tape.

>

> I was G-QRP 74. One of the first IOTA stations and RSARS (Royal Signals Amateur

> radio Society) 1654 ... so I've been playing radio for while - (1966) - 44 years so far.

>

> Thanks for taking the time to answer Thomas, very much appreciated.

>

> Have a good day!.

>

> 73 John. <la2qaa@...>

>

> To: eu-amsat@yahoogroups.com

> From: th.frey@...

> Date: Thu, 29 Apr 2010 22:49:54 +0200

> Subject: Re: [eu-amsat] Heeeeeeeeeeeeeeeeeeelp.

>

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>

> John Hackett schrieb:

>

> >

>

> >

>

> > Nader, Thomas,

>

> > I've now sucessfully set up Wisp, MixW and VSPE.

>

> >

>

> > Finally, a *SILLY* question.

>

> >

>

> > Presumably, when a pass is imminent, I run all three programs ...

>

> > (with VSPE set to ''emulation').

>

> >

>

> > I have Wisp on COM 1, MixW TNC emulation on COM 3, VSPE set to COM 1

>

> > =>COM 3

>

> > and MixW PTT on COM 2.

>

> >

>

> > Correct ??.

>

> >

>

> > 73 John. <la2qaa@...> ... aka ... THE SATELLITE PACKET KID.

>

> >

>

> > KIDDING !!!!!!!!!!

>

>

>

> John, I would say ... correct. It sounds logically to me. Have you set

>

> it up successfully now or is this your question ?

>

>

>

> As you eventually knows, I'm using a hardware TNC and have not such

>

> problems, hihi. :-)

>

>

>

> --

>

>

>

> Mit freundlichen Grüssen, Regards, 73

>

> Thomas Frey, HB9SKA

>

> _____

>

>

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

>

> http://home.datacomm.ch/th.frey/

>

3380. Santa Isabel Island Dxpedition (Including Satellites)

Yahoo group: eu-amsat
Date: 2010-05-01 18:18:10 UTC
From: ps8rf
Topic: 3380 Message: 3380

Hello Friends,

The team of Teresina DX Group and Labre - PI is preparing a DXpedition to the Santa Isabel Island (IOTA SA 025 DIB PI-01) and Pedra do Sal Lighthouse (ARLHS BRA-070, DFB PI-03) in the coast of the state of Piauí in northeastern Brazil.

Call Sign: ZW8B

02º45" S * 41º45" W

Grid Locator: GI97de

The DXpedition Will be starting the 16:00 UTC the day 02 to 06 of june 2010.

The operations include bands from 160 to 10 meters (SSB, PSK31 and RTTY), including 6 meters, 144 MHz (SSB / FM / CW) and the satellites (SSB / FM / CW): AO-7 (A and B), FO-29, AO-51, VO-52, SO-50, HO-68, SO-67 (if active) and ISS in repeater mode if active. We Will Be in all orbits, please track your favorite satellite. We will be there.

QSL via PS8HF

MILTON LIMA RIBEIRO
RUA MAZERINE CRUZ, 2673
64076-040 TERESINA - PI,
Brazil

The Team

PS8BBC, PS8DX, PS8ET, PS8HF, PS8NF,
PS8PY, PS8RF,PS8TV.

Equipments for Satellites: (Exclusives for Satellites Comunications)

TS 2000X and TM-D710
2x7 for 2m (Home Made) with preamp
436CP30 for 70 cm (M2) with preamp
G5500 Rotator
FD ST2 Satellite Antenna Tracking Interface

http://teresinadxgroup.blogspot.com/

Video: http://www.youtube.com/watch?v=95sAEhALejs

Santa Isabel Island Pictures : http://www.parnaiba.com.br/pedra_do_sal.htm

We would like to receive the cooperation of the Control Team of the satellites: AO-51, HO-68 and SO-67 to facilitate the operation modes or activate the satellites when the footprint of them are reaching the island, including activations in

their schedules during the DXpedition. We will be grateful.

73' and Good Dx'

Teresina Dx Group

3381. Area Coordinator.

Yahoo group: eu-amsat
Date: 2010-05-02 14:06:19 UTC
From: John Hackett
Topic: 3381 Message: 3381

Group,
I have been asked by Camsat, and have accepted the post as area coordinator for HO-68.

Questions pertinent to HO-68, particularly scheduling and special requests may be directed to me and I will mediate with Camsat.

It has already been asked on the Amsat-bb how the scheduling for HO-68 will be *AFTER* commissioning is completed. As of this writing that is still to be determined.

73 John. <la2qaa@...>

3382. HO-68 schedule 2nd - 9th May

Yahoo group: eu-amsat
Date: 2010-05-02 15:25:52 UTC
From: John Hackett
Topic: 3382 Message: 3382

```
HO-68 schedule 2nd - 9th May 2010.

All times are in UTC:

02 May 2010
================================
17:20...Turn On--SSB/CW
India, Africa, Middle East,
Europe,NA
18:05...Turn Off

18:50...Turn On--SSB/CW
Africa,Europe,Middle East,NA
19:35...Turn Off

23:15...Turn On--SSB/CW
NA,North Asia,East Asia,Oceania
24:00...Turn Off

03 May 2010
================================
01:05...Turn On--FM
North Asia,East Asia,South Asia
01:21...Turn Off

02:05...Turn On--SSB/CW
South America,NA,North Asia
02:50...Turn Off

18:55...Turn On--SSB/CW
Africa,Europe,NA
19:40...Turn Off

04 May 2010
================================
00:00...Turn On--SSB/CW
South America,NA,North Asia
00:45...Turn Off

01:45...Turn On--SSB/CW
South America,NA,North Asia
02:30...Turn Off

02:40...Turn On--SSB/CW
North Asia, East Asia, South Asia
02:55...Turn Off
```

10:55...Turn On--SSB/CW
Oceania,Asia,Europe
11:40...Turn Off

16:50...Turn On--SSB/CW
India,Middle East,Europe,NA
17:35...Turn Off

18:35...Turn On--SSB/CW
Africa,Europe,NA
19:20...Turn Off

05 May 2010
==========
02:24...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:39...Turn Off

10:40...Turn On--SSB/CW
Oceania,East Asia,North Asia,Europe
11:25...Turn Off

13:20...Turn On--SSB/CW
NA,South America,Europe
14:05...Turn Off

18:20...Turn On--SSB/CW
Africa,Europe,NA
19:05...Turn Off

22:25...Turn On--SSB/CW
NA,North Asia,East Asia,Oceania
23:10...Turn Off

06 May 2010
==========
02:11...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:26...Turn Off

05:40...Turn On--SSB/CW
NA,North Asia,Middle East,
Europe,Africa
06:25...Turn Off

10:20...Turn On--SSB/CW
Oceania,Asia,Europe,NA
11:05...Turn Off

16:15...Turn On--SSB/CW
Africa,India,Middle East,Europe,NA
17:00...Turn Off

18:05...Turn On--SSB/CW
Africa,Europe,NA
18:50...Turn Off

07 May 2010
==========
23:55...Turn On--SSB/CW
South America,NA,North Asia
00:40...Turn Off

01:52...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:08...Turn Off

10:05...Turn On--SSB/CW
Oceania,Asia,Europe
10:50...Turn Off

17:45...Turn On--SSB/CW
India,Africa,Europe,NA
18:30...Turn Off

21:50...Turn On--SSB/CW
NA,North Asia,Oceania
22:35...Turn Off

08 May 2010
==========
00:35...Turn On--SSB/CW
South America,NA,North Asia
01:20...Turn Off

01:28...Turn On--FM
North Asia,East Asia,South Asia
01:44...Turn Off

09:50...Turn On--SSB/CW
Oceania,Asia,Europe,NA
10:35...Turn Off

17:30...Turn On--SSB/CW
Africa,Europe,NA
18:15...Turn Off

09 May 2010
==========
00:25...Turn On--SSB/CW
South America,NA,North Asia
01:10...Turn Off

03:07...Turn On--FM
North Asia,East Asia,South Asia
03:20...Turn Off

06:35...Turn On--SSB/CW
North Asia,Europe,Africa
07:20...Turn Off

09:30...Turn On--SSB/CW
Oceania,Asia,Europe
10:15...Turn Off

73 John <la2qaa@...>

3383. Future HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-03 07:17:55 UTC
From: John Hackett
Topic: 3383 Message: 3383

Group,
I would appreciate it if as many as possible would send me a short note stating their preference for the future scheduling of HO-68 ... CW, SSB, SSTV, FM voice, FM digital - (not necessarily in that order).

It's a well established fact that most Americans prefer FM - (the newer operators having been weaned on it) - while in general, the majority of Europeans prefer SSB and CW, with 'digital' and SSTV.

It's also being taken into account the countries that have (as yet) very few operators ... and these may only have FM equipment.

Over such countries, there is very little QRM to disturb FM whereas over Europe, FM is a 'zoo' and very few people can get into the satellite. In linear mode however, over Europe, at least, a lot !! more stations are able to use the satellite.

Your input would be appreciated ...

Callsign and preference please ... (SSB, CW, FM, DIGITAL, SSTV)

At this time, there is no information as to the length of commissioning nor the schedule format on the completion of commissioning ... ergo this request!.

73 John. <la2qaa@...>

3384. AW: [eu-amsat] Future HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-03 07:28:49 UTC
From: Mike Rupprecht
Topic: 3383 Message: 3384

John,

My personal preferences are only for SSB, CW, DIGITAL and SSTV.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Montag, 3. Mai 2010 09:18
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Future HO-68 schedule.

Group,
I would appreciate it if as many as possible would send me a short
note stating their preference for the future scheduling of HO-68 ... CW,
SSB, SSTV, FM voice, FM digital - (not necessarily in that order).

It's a well established fact that most Americans prefer FM - (the newer
operators having been weaned on it) - while in general, the majority of
Europeans prefer SSB and CW, with 'digital' and SSTV.

It's also being taken into account the countries that have (as yet) very few
operators ... and these may only have FM equipment.

Over such countries, there is very little QRM to disturb FM whereas over
Europe, FM
is a 'zoo' and very few people can get into the satellite. In linear mode
however, over Europe, at least, a lot !! more stations are able to use the
satellite.

Your input would be appreciated ...

Callsign and preference please ... (SSB, CW, FM, DIGITAL, SSTV)

At this time, there is no information as to the length of commissioning nor
the
schedule format on the completion of commissioning ... ergo this request!.

73 John. <la2qaa@...>

3385. Re: [eu-amsat] Future HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-03 10:36:04 UTC
From: Thomas Frey
Topic: 3383 Message: 3385

John Hackett schrieb:
>
> Your input would be appreciated ...
>
> Callsign and preference please ... (SSB, CW, FM, DIGITAL, SSTV)
>
> At this time, there is no information as to the length of
> commissioning nor the
> schedule format on the completion of commissioning ... ergo this request!.
>
> 73 John. <la2qaa@...>

Hello John

-->
HB9SKA's preferences:

1st Linear transponder
2nd FM repeater with SSTV (needs especially much discipline, otherwise
its not possible to receive a whole picture.)
3rd Packet Radio (PACSAT)
4th FM repeater with voice
<--

Thanks for your work.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3386. Re: [eu-amsat] Future HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-03 13:52:41 UTC
From: Luc Leblanc
Topic: 3383 Message: 3386

On 3 May 2010 at 9:17, John Hackett wrote:

Date sent: Mon, 03 May 2010 09:17:55 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Future HO-68 schedule.
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> Group,
> I would appreciate it if as many as possible would send me a short note stating their preference for the future scheduling of HO-68 ... CW, SSB, SSTV, FM voice, FM digital - (not necessarily in that order).
>
> It's a well established fact that most Americans prefer FM - (the newer operators having been weaned on it) - while in general, the majority of Europeans prefer SSB and CW, with 'digital' and SSTV.
>
Just add some Canadian too!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3387. HO-68

Yahoo group: eu-amsat
Date: 2010-05-03 21:14:47 UTC
From: John Hackett
Topic: 3355 Message: 3387

Group.

FYI.

HO-68 will have it's own page on the OBSERVATIONS website under the heading 'Observations From China'.

<http://www.observations.biz>

73 LA2QAA & GM1SXX.

3388. DX

Yahoo group: eu-amsat
Date: 2010-05-04 19:27:42 UTC
From: John Hackett
Topic: 3388 Message: 3388

Group,
For those not aware of the DX possibilities of HO-68 check out the orbit for 050420101828Z - (the fifth of May 2010 at 18:28 UTC) - from Svalbard in the north to The Sudan in the south and from Portugal in the west to Pakistan in the east.

Well over 50 countries on a single pass covering the northern half of Africa, the whole of Europe, The Middle East and part of Asia.

For the 'whingers' ... be glad you're not located in South Africa where they have countries with few or no operators to their north - and sea! to their south west and east.

HO-68 will now have it's own blog on the 'OBSERVATIONS' website.

<http://www.observations.biz>

GM1SXX does all the work ... LA2QAA takes all the credit.

73 John. <la2qaa@...g>

3389. Re: [amsat-bb] Re: Indian Small Satellite Systems Conference -1

Yahoo group: eu-amsat
Date: 2010-05-05 01:06:22 UTC
From: Luc Leblanc
Topic: 3389 Message: 3389

```
>
> > Hi All
>
> > Amsat India has 2 linear tranponders ready and we Amsat India are asking
> > ISRO for a higher orbit to cover a larger foot print and longer pass
> > duration.
> >
> > Best regards
> > Pop
> > VU2POP
> > Dir Technical
> > Amsat India
>
> Hi Pop, VU2POP
>
> I am very happy to know that AMSAT India plan to launch a new
> satellite with 2 linear transponders in a higher orbit covering a
> larger foot print in comparison of the actual VO-52
>
> VO-52 continually operating with its linear transponders during all
> available orbits is a reliable satellite for the amateur radio satellite
> communications and as well for educational purposes.
>
> Congratulations to Amsat India and to ISRO
>
> 73" de
>
> i8CVS Domenico
>
>
>
```

With a little more "push" is it possible to have just a slightly elliptical orbit? I don't know what brand of batteries they put in VO-52
but they probably put a small pink rabbit in it as they don't seems to bother too much with their power budget...

What's is funny is the commenting on the perf board model AMSAT-India was showing couple of years before the launch of VO-52, some where
commenting on the jumper wire perf board modelling as if it was not something who will never be able to work...

AMSAT-INDIA just doing an excellent and professional job on VO-52 they even put 2 transponder in the same satellite "too strong never
broke". I'm convince their new orbit will cover quite some area on earth..

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3390. Re: AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-05-05 05:36:25 UTC
From: rw3xl
Topic: 3348 Message: 3390

No problem to repeat :)
Today 05:18UTC, when KO84 was under footprint of FO29 and AO7(which in mode A today) we made QSO with HB9CAT, who work via AO7 cw. I work cw via FO29. Signals was strong but different doppler direction give a some disadvantages. But it work... I will try to do the same on SSB, but don't khow when :)

73, Igor, RW3XL

3391. RE: [eu-amsat] Re: AO7 mode A alternative :)

Yahoo group: eu-amsat
Date: 2010-05-05 07:54:27 UTC
From: John Hackett
Topic: 3348 Message: 3391

Privet Igor,
Excellent !!.

73 John <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Wed, 5 May 2010 05:36:25 +0000
Subject: [eu-amsat] Re: AO7 mode A alternative :)

No problem to repeat :)

Today 05:18UTC, when KO84 was under footprint of FO29 and AO7(which in mode A today) we made QSO with HB9CAT, who work via AO7 cw. I work cw via FO29. Signals was strong but different doppler direction give a some disadvantages. But it work... I will try to do the same on SSB, but don't khow when :)

73, Igor, RW3XL

3392. Re: [eu-amsat] Re: [amsat-bb] Re: Indian Small Satellite Systems Conference -1

Yahoo group: eu-amsat
Date: 2010-05-05 09:05:46 UTC
From: Thomas Frey
Topic: 3389 Message: 3392

Luc Leblanc schrieb:
>
>>
>>> Hi All
>>>
>>
>>> Amsat India has 2 linear tranponders ready and we Amsat India are asking
>>> ISRO for a higher orbit to cover a larger foot print and longer pass
>>> duration.
>>>
>>> Best regards
>>> Pop
>>> VU2POP
>>> Dir Technical
>>> Amsat India
>>>
>> Hi Pop, VU2POP
>>
>> I am very happy to know that AMSAT India plan to launch a new
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>>
>> VO-52 continually operating with its linear transponders during all
>> available orbits is a reliable satellite for the amateur radio satellite
>> communications and as well for educational purposes.
>>
>> Congratulations to Amsat India and to ISRO
>>
>> 73" de
>>
>> i8CVS Domenico
>>
>>
>>
>>
> With a little more "push" is it possible to have just a slightly elliptical orbit? I don't know what brand of batteries they put in VO-52
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>
> AMSAT-INDIA just doing an excellent and professional job on VO-52 they even put 2 transponder in the same satellite "too strong never
> broke". I'm convince their new orbit will cover quite some area on earth..
>
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
If you carefully read, AMSAT-India has 2 Linear-Transponders ready
and not a satellite. As you knows, the satellite VO-52 itself was built
and contributed by ISRO to AMSAT-India.

If you want a satellite in HEO then support Phase-3E from AMSAT-DL.

--

Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3393. HO-68 QRP

Yahoo group: eu-amsat
Date: 2010-05-05 18:59:32 UTC
From: John Hackett
Topic: 3393 Message: 3393

Group,
HO-68 is just fine with QRP.

Two of this evening's CW QSO's were with 2.5 watts from a 22 year old FT-290 transmitter to an 'Arrow' aerial. Receiving on an TR-851E, no preamp, using manual doppler tuning.

For the other two QSO's I used *SUPER-HIGH POWER* of 80 watts.
(FT-290 - homebrew class C amplifier - Arrow aerial)

If anybody noticed the difference - they didn't mention it.

THERE'S A LESSON IN THERE SOMEWHERE.....LA2QAA

73 John. <la2qaa@...>

3394. Re: [amsat-bb] Re: [eu-amsat] Re: Re: Indian Small Satellite Systems Conference -1

Yahoo group: eu-amsat
Date: 2010-05-05 20:10:38 UTC
From: Luc Leblanc
Topic: 3394 Message: 3394

On 5 May 2010 at 13:29, Bruce Robertson wrote:

Date sent: Wed, 05 May 2010 13:29:40 -0300
From: Bruce Robertson <ve9qrp@...>
Subject: [amsat-bb] Re: [eu-amsat] Re: Re: Indian Small Satellite Systems Conference -1
To: Thomas Frey <th.frey@...>
Copies to: amsat-bb@..., eu-amsat@yahoogroups.com

> I might have missed something, Thomas, but I believe Luc recommended a
> 'slightly elliptical orbit', not necessarily a HEO one. Do these need
> to be the same thing? An elliptical MEO would allow for periods of
> more challenging operation with better opportunities for DX
> alternating with periods of lower pass loss, but smaller footprint.
> This might well be something that AMSAT-India could come to ISRO to
> ask for.
>
> Of course, none of this takes away from the excellent work of AMSAT-DL
> on P3E, which we all eagerly support.
>
> 73, Bruce
> VE9QRP
>

Exactly Bruce

The 4 key words are: With a little more "push" and 'slightly elliptical orbit'

This will not replace in anyway an HEO the ultimate goal but in the mean time a MEO will give us some releif of our dull environment.

P.S. Dull in the sense of the same usual earth path!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3395. Re: [amsat-bb] Re: [eu-amsat] Re: Re: Indian Small Satellite Systems Conference -1

Yahoo group: eu-amsat
Date: 2010-05-05 21:20:49 UTC
From: Thomas Frey
Topic: 3394 Message: 3395

Bruce Robertson schrieb:
> On Wed, May 5, 2010 at 6:05 AM, Thomas Frey<th.frey@...> wrote:
>
>> Luc Leblanc schrieb:
>>
>>>
>>>>
>>>>> Hi All
>>>>>
>>>>>
>>>>
>>>>> Amsat India has 2 linear tranponders ready and we Amsat India are asking
>>>>> ISRO for a higher orbit to cover a larger foot print and longer pass
>>>>> duration.
>>>>>
>>>>> Best regards
>>>>> Pop
>>>>> VU2POP
>>>>> Dir Technical
>>>>> Amsat India
>>>>>
>>>>>
>>>> Hi Pop, VU2POP
>>>>
>>>> I am very happy to know that AMSAT India plan to launch a new
>>>> satellite with 2 linear transponders in a higher orbit covering a
>>>> larger foot print in comparison of the actual VO-52
>>>>
>>>> VO-52 continually operating with its linear transponders during all
>>>> available orbits is a reliable satellite for the amateur radio satellite
>>>> communications and as well for educational purposes.
>>>>
>>>> Congratulations to Amsat India and to ISRO
>>>>
>>>> 73" de
>>>>
>>>> i8CVS Domenico
>>>>
>>>>
>>>>
>>>>
>>>>
>>> With a little more "push" is it possible to have just a slightly elliptical orbit? I
don't know what brand of batteries they put in VO-52

>>> but they probably put a small pink rabbit in it as they don't seems to bother too much with their power budget...
>>>
>>> What's is funny is the commenting on the perf board model AMSAT-India was showing couple of years before the launch of VO-52, some where
>>> commenting on the jumper wire perf board modelling as if it was not something who will never be able to work...
>>>
>>> AMSAT-INDIA just doing an excellent and professional job on VO-52 they even put 2 transponder in the same satellite "too strong never
>>> broke". I'm convince their new orbit will cover quite some area on earth..
>>>
>>>
>>> "-"
>>>
>>>
>>> Luc Leblanc VE2DWE
>>> Skype VE2DWE
>>> www.qsl.net/ve2dwe
>>> DSTAR urcall VE2DWE
>>> WAC BASIC CW PHONE SATELLITE
>>>
>>>
>>>
>> If you carefully read, AMSAT-India has 2 Linear-Transponders ready
>> and not a satellite. As you knows, the satellite VO-52 itself was built
>> and contributed by ISRO to AMSAT-India.
>>
>> If you want a satellite in HEO then support Phase-3E from AMSAT-DL.
>>
>> --
>>
>> Best Regards, 73
>> Thomas Frey, HB9SKA
>> ----------
>>
> I might have missed something, Thomas, but I believe Luc recommended a
> 'slightly elliptical orbit', not necessarily a HEO one. Do these need
> to be the same thing? An elliptical MEO would allow for periods of
> more challenging operation with better opportunities for DX
> alternating with periods of lower pass loss, but smaller footprint.
> This might well be something that AMSAT-India could come to ISRO to
> ask for.
>
> Of course, none of this takes away from the excellent work of AMSAT-DL
> on P3E, which we all eagerly support.
>
> 73, Bruce
> VE9QRP
>

>
>
>
Hello Bruce

I missed also something of this discussion. I'm only a digest-reader of the AMSAT-BB mails. Sometimes its a problem for me when Luc copies fragments of discussions into the EU-Amsat group.

Domenico's mail was irritating. AMSAT-India does not plan to launch a new satellite, they are looking forward, if ISRO would be so kind to offer a new satellite structure for their 2 transponders and a launch into a higher orbit. I wish the OM's from AMSAT-India good luck and success for this project.

I'm not a specialist for orbits and rocket launches, but every orbit is better than a LEO-orbit. I'm aware of that such launches are much expensive than a LEO-launch. There were thousands of discussions about HEO-satellites, but Luc wrote a very important thing. If we all AMSATers do not pull at the same string, we would never have such a fantastic satellite like P3E in a HEO. I hope my fellows from AMSAT-DL have anyhow success with P3E and the cooperation with DLR (www.dlr.de).

Thank You for your support of AMSAT-DL.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3396. PL 67 Hz for AO-51 Mode S

Yahoo group: eu-amsat
Date: 2010-05-06 06:56:53 UTC
From: murrayhely
Topic: 3396 Message: 3396

I have a very old FDK Multi 2000 for the uplink on 145.880 . I am a SSB Linear Transponder person. NOT FM Satellite person but I have to have a go at Mode S !

Question ??????

Can you use your sound card to generate the low level 67 Hz tone required and feed it into the microphone socket with your voice at a low level or does it have to be feed in further back in the decimator ?

Murray ZL3MH

3397. Re: [eu-amsat] PL 67 Hz for AO-51 Mode S

Yahoo group: eu-amsat
Date: 2010-05-06 09:59:26 UTC
From: Thomas Frey
Topic: 3396 Message: 3397

murrayhely schrieb:
> I have a very old FDK Multi 2000 for the
> uplink on 145.880 . I am a SSB Linear
> Transponder person. NOT FM Satellite
> person but I have to have a go at Mode S !
>
> Question ??????
>
> Can you use your sound card to generate the
> low level 67 Hz tone required and feed it
> into the microphone socket with your voice
> at a low level or does it have to be feed
> in further back in the decimator ?
>
> Murray ZL3MH
>
>
>

Hello Murray

I have also an old Kenwood TS-711E and feed the soundcard into the data socket at the rear. You can try to feed it into the microphone socket. I also heard that an OM feeded the tone via PC-loudspeaker into his microphone. But this is unstable I think. If you have an entry point to the discriminator you have to adjust and measure the hub. I've done that in the 1990s for the 9600 bps PACSATs UO-14 and UO-22, KO-23 and KO-25 and later GO-32.

But on the 145.880 uplink of AO-51 you don't need the CTCSS-tone, only on the main V/U repeater. If you are never QRV via the FM-sats then you are ready.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3398. Re: PL 67 Hz for AO-51 Mode S

Yahoo group: eu-amsat
Date: 2010-05-06 10:15:24 UTC
From: murrayhely
Topic: 3396 Message: 3398

Hi Thomas, I have been working on it tonight.
Last time there was No PL 67 Hz tone needed
on Mode S. This time it says you need the tone.
I am running it out of the sound card into a
600 ohm to 600 ohm transformer in series with
2,2k resitor to stop the microphone getting
loaded down and into the radio. There are now
about 6 of us on Mode S. 2 in ZL and about 4
in VK. I hope this time to work from Christchurch
(ZL3) to Western Australia Perth (VK6) around
5000KM

All the best Murray ZL3MH

3399. HO-68 SITREP 080520101743Z

Yahoo group: eu-amsat
Date: 2010-05-08 18:21:48 UTC
From: John Hackett
Topic: 3399 Message: 3399

Hello Al,
This is ridiculous!.

I was *BOOMING* !!! in at just 1.5 degrees elevation (102 degrees Az) so I turned off the half-knackered RFC 2-217 and went QRP 2 watts ... FT-280RII bare-arsed (he means barefoot - or, perhaps - bear! foot).

So what !!! ... still 579.

Maybe I should short out the FT-290RII's PA transistor and start milliwatting ??.

I really *MUST* laugh at the 100w/10 element/auto doppler tuning wankers.

I miss my large array but seem to do OK from the new QTH ...

NB.

For the non-aerial experts ...

A 3 element Yagi like the Arrow (used here) has an almost 60 degree half power beamwidth in both the vertical and horizontal planes so is ideal foe LEO satellites.

I have a seperate 7 element Yagi for RX mounted 1 meter above the Arrow (The Arrow is used for TX only) and is boted to the wall of the old people's home at the *GREAT* height of 9 feet, *PRETENDING* to be a TV aerial - (see pic) - since any form of radio amateur aerial is *STRICTLY* 'verboten'.

(I made an official application and was refused).

Therefore ... all contacts are via my "TV" aerial.

73 John. <la2qaa@amsat.org>

3400. FW: HO-68 SITREP 080520101743Z

Yahoo group: eu-amsat
Date: 2010-05-08 18:23:33 UTC
From: John Hackett
Topic: 3400 Message: 3400
Attachments: 1 described; binary payloads are missing from this source WARC

[Body unavailable in the source archive]

3401. HO-68 Weekly Schedule.

Yahoo group: eu-amsat
Date: 2010-05-09 07:19:37 UTC
From: John Hackett
Topic: 3401 Message: 3401

```
HO-68 schedule 9th - 16th May.

UTC:
09 May 2010
================================
17:10...Turn On--Packet
India, Africa, Middle East,
Europe,NA
17:55...Turn Off

18:40...Turn On--FM
Africa,Europe,Middle East,NA
19:25...Turn Off

23:05...Turn On--FM
NA,North Asia,East Asia,Oceania
23:50...Turn Off

10 May 2010
================================
02:46...Turn On--FM
North Asia,East Asia,South Asia
03:01...Turn Off

03:45...Turn On--FM
South America,NA,North Asia
04:30...Turn Off

18:45...Turn On--FM
Africa,Europe,NA
19:30...Turn Off

11 May 2010
================================
00:00...Turn On--FM
South America,NA,North Asia
00:45...Turn Off

01:35...Turn On--FM
South America,NA,North Asia
02:20...Turn Off

02:29...Turn On--FM
North Asia, East Asia, South Asia
02:44...Turn Off
```

10:45...Turn On--FM
Oceania,Asia,Europe
11:30...Turn Off

16:40...Turn On--FM/SSTV
India,Middle East,Europe,NA
17:25...Turn Off

18:25...Turn On--FM
Africa,Europe,NA
19:10...Turn Off

12 May 2010
==========
02:13...Turn On--FM
North Asia,East Asia,South Asia
02:29...Turn Off

10:30...Turn On--FM
Oceania,East Asia,North Asia,Europe
11:15...Turn Off

13:10...Turn On--FM
NA,South America,Europe
13:55...Turn Off

18:10...Turn On--FM
Africa,Europe,NA
18:55...Turn Off

22:15...Turn On--FM
NA,North Asia,East Asia,Oceania
23:00...Turn Off

13 May 2010
==========
01:57...Turn On--FM
North Asia,East Asia,South Asia
02:12...Turn Off

05:30...Turn On--FM
NA,North Asia,Middle East,
Europe,Africa
06:15...Turn Off

10:10...Turn On--FM
Oceania,Asia,Europe,NA
10:55...Turn Off

16:05...Turn On--FM
Africa,India,Middle East,Europe,NA
16:50...Turn Off

17:55...Turn On--FM
Africa,Europe,NA
18:40...Turn Off

14 May 2010
==========
23:45...Turn On--Packet
South America,NA,North Asia
00:30...Turn Off

01:40...Turn On--FM
North Asia,East Asia,South Asia
01:52...Turn Off

14:20...Turn On--FM
Europe,NA,South America
15:05...Turn Off

17:35...Turn On--FM
India,Africa,Europe,NA
18:20...Turn Off

23:00...Turn On--FM
South America,Africa,NA,
Europe,North Asia,East Asia
23:45...Turn Off

15 May 2010
==========
00:30...Turn On--FM/SSTV
South America,NA,North Asia
01:15...Turn Off

01:24...Turn On--FM
North Asia,East Asia,South Asia
01:37...Turn Off

14:00...Turn On--FM
Europe,NA,South America
14:45...Turn Off

17:20...Turn On--FM
Africa,Europe,NA
18:05...Turn Off

16 May 2010
==========
00:15...Turn On--FM
South America,NA,North Asia
01:00...Turn Off

02:53...Turn On--FM
North Asia,East Asia,South Asia
03:08...Turn Off

06:25...Turn On--Packet
North Asia,Europe,Africa
07:10...Turn Off

13:50...Turn On--FM
Europe,NA,South America
14:35...Turn Off
.....

Curtesy of BA1DU Alan Kung.

73 John. <la2qaa@...>

3402. HO-68 PACKET

Yahoo group: eu-amsat
Date: 2010-05-09 17:43:27 UTC
From: John Hackett
Topic: 3402 Message: 3402

Nader,
As you can see from the attached pic, I'm getting there ... slowly.

The QRM from F0FVK didn't help of course.

Sylvain, the HO-schedule on the 17:21 UTC pass was specified for *PACKET*.

There are only a few dedicated packet passes so continually calling CQ on voice is *NOT* very helpful.

When nobody answers you after 10 calls (including blowing into the mic) it's time to ask yourself 'why' nobody answers.

The schedule was published on the EU-Amsat reflector and the Amsat-bb at 07:00 this morning - as well as on Mike's blog and the CAMSAT webpage only a short time later.

Most of the rest of the week *IS* dedicated to FM voice ... with a couple of slots for SSTV.

73 John. <la2qaa@...>

3403. HO-68 PACKET.

Yahoo group: eu-amsat
Date: 2010-05-09 18:03:00 UTC
From: John Hackett
Topic: 3403 Message: 3403
Attachments: 1 described; binary payloads are missing from this source WARC

[Body unavailable in the source archive]

3404. C91HLT Mozambique

Yahoo group: eu-amsat
Date: 2010-05-10 09:53:16 UTC
From: John Hackett
Topic: 3404 Message: 3404

Group,
Keep your eyes peeled - (he means ears open.....GM1SXX) - for any HO-68
FM passes coming up from South Africa towards Europe this week for C91HLT.

73 John. <la2qaa@...>
.....
.....

From:

Hal Lund ZS6WB (zs6wb@...)

Sent:
Monday, May 10, 2010 11:24:57 AM

To:
LA2QAA John (la2qaa@...)

Hi John

C91HLT is doing well into South Africa with his portable FM equipment but it
would be great if he could work a few European stations when he reaches the
northern end of his trip.

So far John has just worked into South Africa and Reunion Island using both
SO-50 and AO-51.

My internet is out of action at the moment and I have my laptop at my
neighbor's QTH where I can send emails and check for incoming stuff once or
twice a day.

73 - Hal ZS6WB

3405. MAI-75 Experiments Planned

Yahoo group: eu-amsat
Date: 2010-05-10 18:03:43 UTC
From: Thomas Frey
Topic: 3405 Message: 3405

MAI-75 Experiments Planned

MAI-75 (Moscow Aviation Institute) experiments are planned for May 13 from 10:00 - 17:00 UTC and May 14 from 12:45 - 16:00 UTC. The VC-H1 in Robot-36 mode will be used to transmit Slow Scan Television images on May 13 and the computer will be used on May 14.

Source: [sarex] 2010-05-10 ARISS Status

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3406. Reminder.

Yahoo group: eu-amsat
Date: 2010-05-11 10:55:07 UTC
From: John Hackett
Topic: 3406 Message: 3406

Group,
Anyone planning any DXpeditions to Africa, please note the following mail.

If you yourself are not holidaying in Botswana next week - but you know somebody who is ... please make sure they have at least a dualband handheld and an Arrow clone in their luggage ... as well as a copy of this e-mail ... particularly the last paragraph.

73 John. <la2qaa@...>
.....
...

RE: HO-68?

From:

Hal Lund ZS6WB (zs6wb@...)

Sent:
Tuesday, May 11, 2010 11:45:11 AM

To:
la2qaa@...

Hi
John

I have had
very limited access to internet since about Friday with my network
system down.
I have had no HF communication with C91HLT this week and have
also had no way to get the HO-68 schedule to him. We had planned to use
SO-50 but the times are too early and passes are while he is still on
the road
and most ZS operators are still at work. We will probably lose out on
grids this
week and maybe hear him on SO-50 during the weekend, then go back to
AO-51 next
week.

He is still
pretty far south for Europe even on HO-68 but will try to get him ready
for the
next HO-68 FM schedule by which time he will be further north. The best
time
will be when he gets up to the north end of
Lake Malawi.

Thanks for
the help on the scheduling request.

Why don't you
help us get the word out to the European DXpeditioners that are coming
to Africa
to bring satellite equipment along, even minimal FM equipment to help
satisfy
the locals starved for a few DX QSOs. We will return the favor, I
promise.

73
- Hal ZS6WB

-----Original Message-----
From: John Hackett
[mailto:archie.hackett@...]
Sent: Monday, May 10,
2010 10:00
AM
To: Hal ZS6WB
Subject: HO-68

Hello

Al,
I
posted a note to the EU Amsat group to keep their eyes peeled for

Mozambique.

I trust you noticed the HO-68 schedule appeared
several
hours earlier this time,
(I posted it on EU Amsat at 07:00Z this
time).

3407. C91HLT news.

Yahoo group: eu-amsat
Date: 2010-05-12 10:39:42 UTC
From: John Hackett
Topic: 3407 Message: 3407

Group,
Here's the latest news for the African satellite DX.

73 John. <la2qaa@...>
.....
.....

> From: zs6wb@telkomsa.net
> To: la2qaa@...
> Subject: FW: Our itinerary
> Date: Wed, 12 May 2010 10:07:33 +0000
>
>
> Hi John
>
> I'm forwarding a copy of the C91HLT itinerary for your information. I have
> just received a digital message (SMS) via cell phone from John that they
> expect to reach Gorongosa National Park (KH71FC) today and my understanding
> is that they plan to stay there for a few days. That is just to the south of
> the southern tip of Malawi.
>
> It looks to me as though they will travel through Malawi south to north
> along Lake Malawi and then cross into Zambia before turning back south at
> the end of May. At that point they would be at the closest point to Europe.
>
> As far as I know John doesn't have callsigns yet for Malawi and Zambia and
> they will have to be arranged when he arrives there.
>
> My last contact with him was on AO-51 on 9 May from KG77PX and I don't think
> he has been up on any of the SO-50 passes since then as the fall too early
> in the afternoon when he is still on the road. If they stay at Gorongosa for
> a few days he may come up on SO-50 over the weekend, then we will have AO-51
> back for the rest of the month of May.
>
> My internet is still crippled and I am having to go to another QTH to send
> this. It looks like the problem is in my network connection.
>
> I'll wrote more when it is back in order and will fill you in more on some
> possible African satellite DX that might be worked from Europe.
>
> 73 - Hal ZS6WB
>
>
> -----Original Message-----
> From: John Hilton [mailto:john@...]

> Sent: Thursday, April 29, 2010 6:15 PM
> To: Hal Lund ZS6WB
> Subject: Our itinerary
>
>
> Hi Hal,
>
> Well here is the rough plan for the next few months. We need to be in
> Botswana back in KG47 on 2 July 2010.
>
> So here goes:
> Tomorrow to around 20 May - Mozambique:
> Ponto do Ouro
> Maputo
> Up the coast as far as Beira
> Gorongosa National Park
>
> 20 May to around 30 May - Malawi
> The lake, from north to South
>
> 30 May to Mid June - Zambia
> Heading South through South Luangwa park
>
> Mid June to 2 July - Zimbabwe
> From the north into Kariba
> Harare
> Great Zimbabwe
> Matobo National Park
> Out into Botswana
>
> 2 July to 10 July Botswana
> KG47 Tuli
>
> 11 July - Home to JHB!
>
> Then we have:
> August - Trails guide course at Pafuri in Kruger
> September - Volunteer research in Hogsback on Cape Parrot and Samango
> October - Volunteer research on an Entemology project in the Namibian
> Kalahari
>
> November - Caprivia?!?
> December - Okavango Delta?!?
>
> Thats as much as we have planned so far!!
>
> Hope that helps with a rough idea of where we are...
>
> Chat soon, thanks again for the loan of the kit and all the logging!
>

> 73 and all the best
> John
> +27 82 823 5083
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 8.5.437 / Virus Database: 271.1.1/2830 - Release Date: 04/29/10
> 06:27:00
>

3408. The HO-68 sock.

Yahoo group: eu-amsat
Date: 2010-05-13 17:41:22 UTC
From: John Hackett
Topic: 3408 Message: 3408
Attachments: 1 described; binary payloads are missing from this source WARC

Fanatic? ... me? ...

73 John. <la2qaa@...>

3409. RSOISS SSTV Pics

Yahoo group: eu-amsat
Date: 2010-05-14 20:20:33 UTC
From: murrayhely
Topic: 3409 Message: 3409

Last night again I left my Computer with MMSSTV running connected to my trusty FDK Multi 2000 on 145.800 MHz to a J pole in the hedge and I was rewarded with 3 pictures from RSOISS in the Russian module. Best of all they were in Martin 1 which is more than double the resolution of Robot 36. They were received around 4.16 NZST this morning.

They are under ISS SSTV Photos and the photo is called "RSOISS 15_5_10"

Bye now ZL3MH Murray

3410. HO-68 weekly schedule

Yahoo group: eu-amsat
Date: 2010-05-15 09:51:34 UTC
From: John Hackett
Topic: 3410 Message: 3410

```
HO-68 WEEKLY SCHEDULE.

All times UTC:

16 May 2010
================================
17:05...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:50...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:20...Turn Off

22:55...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:40...Turn Off

17 May 2010
================================
02:36...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:51...Turn Off

03:55...Turn On--CW/SSB
South America,NA,North Asia
04:40...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,NA
19:20...Turn Off

18 May 2010
================================
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

01:25...Turn On--CW/SSB
South America,NA,North Asia
02:10...Turn Off

02:20...Turn On--CW/SSB
North Asia, East Asia, South Asia
02:36...Turn Off
```

10:35...Turn On--CW/SSB
Oceania,Asia,Europe
11:20...Turn Off

16:30...Turn On--CW/SSB
India,Middle East,Europe,NA
17:15...Turn Off

18:15...Turn On--CW/SSB
Africa,Europe,NA
19:00...Turn Off

19 May 2010
==========
02:03...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:19...Turn Off

10:20...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
11:05...Turn Off

12:55...Turn On--CW/SSB
NA,South America,Europe
13:40...Turn Off

18:00...Turn On--CW/SSB
Africa,Europe,NA
18:45...Turn Off

22:00...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
22:45...Turn Off

20 May 2010
==========
01:52...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:05...Turn Off

05:15...Turn On--CW/SSB
NA,North Asia,Middle East,
Europe,Africa
06:00...Turn Off

10:00...Turn On--CW/SSB
Oceania,Asia,Europe,NA
10:45...Turn Off

16:00...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
16:45...Turn Off

17:45...Turn On--CW/SSB
Africa,Europe,NA
18:30...Turn Off

21 May 2010
==========
23:35...Turn On--CW/SSB
South America,NA,North Asia
00:20...Turn Off

03:22...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:37...Turn Off

14:10...Turn On--CW/SSB
Europe,NA,South America
14:55...Turn Off

17:25...Turn On--CW/SSB
India,Africa,Europe,NA
18:10...Turn Off

23:15...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
24:00...Turn Off

22 May 2010
==========
00:25...Turn On--CW/SSB
South America,NA,North Asia
01:10...Turn Off

02:59...Turn On--FM
North Asia,East Asia,South Asia
03:15...Turn Off

13:55...Turn On--CW/SSB
Europe,NA,South America
14:40...Turn Off

17:10...Turn On--CW/SSB
Africa,Europe,NA
17:55...Turn Off

23 May 2010
==========
00:05...Turn On--CW/SSB
South America,NA,North Asia
00:50...Turn Off

02:47...Turn On--FM
North Asia,East Asia,South Asia
03:03...Turn Off

06:15...Turn On--CW/SSB
North Asia,Europe,Africa
07:00...Turn Off

13:35...Turn On--CW/SSB
Europe,NA,South America
14:20...Turn Off

Curtesy of Alan Kung, BA1DU

HO-68(XW-1) Project Manager
.....

73 John <la2qaa@...>

3411. Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-17 15:48:38 UTC
From: yo9gjx
Topic: 3411 Message: 3411

The first amateur interplanetary probe is ready for launch today.
http://yo9gjx.blogspot.com/

3412. Re: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-17 22:24:12 UTC
From: Thomas Frey
Topic: 3411 Message: 3412

yo9gjx schrieb:
> The first amateur interplanetary probe is ready for launch today.
> http://yo9gjx.blogspot.com/
>
>
The launch was postponed because of bad weather, see
http://www.jaxa.jp/index_e.html

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3413. AW: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 07:08:06 UTC
From: Mike Rupprecht
Topic: 3411 Message: 3413

Good morning all,

because of the low inclination of 30 deg we will nothing hear from NEGAI*☐
or WASEDASat in the middle of Europe :-(

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@...m] Im Auftrag
von Thomas Frey
Gesendet: Dienstag, 18. Mai 2010 00:24
An: eu-amsat@yahoogroups.com
Betreff: Re: [eu-amsat] Unitec 1

yo9gjx schrieb:
> The first amateur interplanetary probe is ready for launch today.
> http://yo9gjx.blogspot.com/
>
>
The launch was postponed because of bad weather, see
http://www.jaxa.jp/index_e.html

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

3414. Unitec-1 WX Scrub Now rescheduled 6:58:22 am May 21, 2010 . Japan Standard Time

Yahoo group: eu-amsat
Date: 2010-05-18 08:06:03 UTC
From: Al
Topic: 3414 Message: 3414

May 18, 2010 (JST)

Mitsubishi Heavy Industries, Ltd. Mitsubishi Heavy Industries, Ltd.
Japan Aerospace Exploration Agency (JAXA) Japan Aerospace Exploration Agency (JAXA)

Mitsubishi Heavy Industries, Ltd. and the Japan Aerospace Exploration Agency have announced the postponement of the launch of the Venus Climate Orbiter "AKATSUKI" (PLANET-C) by H-IIA Launch Vehicle No. 17 (H-IIA F17) today due to adverse weather conditions. Mitsubishi Heavy Industries, Ltd. And the Japan Aerospace Exploration Agency have announced the postponement of the launch of the Venus Climate Orbiter "AKATSUKI" (PLANET-C) by H-IIA Launch Vehicle No. 17 (H-IIA F17) today due to adverse weather conditions.

After studying weather conditions from tomorrow, we decided to carry out the launch at 6:58:22 am on May 21, 2010 (Japan Standard Time, JST) because the weather is expected to recover in that timeframe. After studying weather conditions from tomorrow, we decided to carry out the launch at 6:58:22 am on May 21, 2010 (Japan Standard Time, JST) because the weather is expected to recover in that timeframe.

3415. Re: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 10:16:04 UTC
From: Thomas Frey
Topic: 3411 Message: 3415

Mike Rupprecht schrieb:
>
>
> Good morning all,
>
> because of the low inclination of 30 deg we will nothing hear from
> NEGAI*" or WASEDASat in the middle of Europe :-(
>
> 73, Mike
>
> DK3WN
>

Hallo Mike

Wo gibt es vorausberechnete Keplerdaten ?
Where are pre calculated Kepler data available ?

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3416. RE: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 10:56:13 UTC
From: John Hackett
Topic: 3411 Message: 3416

Thomas,
There was a link in the e-mail from the Japanese station on the Amsat-bb yesterday.

All mails are deleted after being read here so unfortunately, I don't have a copy.

73 John. <la2qaa@...>

3417. FW: [amsat-bb] Negai TLE update

Yahoo group: eu-amsat
Date: 2010-05-18 11:09:13 UTC
From: John Hackett
Topic: 3417 Message: 3417

From: la2qaa@...
To: archie.hackett@...
Subject: FW: [amsat-bb] Negai TLE update
Date: Tue, 18 May 2010 13:04:56 +0200

> From: ei7m-wkt@...
> To: amsat-bb@...
> Date: Tue, 18 May 2010 05:21:03 +0900
> Subject: [amsat-bb] Negai TLE update
>
> Negai
> 1 00000U 000000 10137.91382380 .00000000 00000-0 00000-0 0 000
> 2 00000 29.9660 238.9027 0000001 120.7250 357.1250 15.90813690 000
>
> Tanegashima Web Camera
> http://space.jaxa.jp/tnsc/webcam/index_e.shtml
>
> Live Broadcast
> http://www.jaxa.jp/countdown/f17/live/index_e.html
>
> MITSUBISHI Heavy Industries,LTD. Countdown Report
> http://h2a.mhi.co.jp/mission/results/f17countdown_en.html
>
> JE9PEL, Mineo Wakita
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

Your E-mail and More On-the-Go. Get Windows Live Hotmail Free. Sign up now.

3418. AW: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 11:15:57 UTC
From: Mike Rupprecht
Topic: 3411 Message: 3418
Attachments: 2 described; binary payloads are missing from this source WARC

NEGAI

1 00000U 000000 10137.91382380 .00000000 00000-0 00000-0 0 000

2 00000 29.9660 238.9027 0000001 120.7250 357.1250 15.90813690 000

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von Thomas Frey
Gesendet: Dienstag, 18. Mai 2010 12:16
An: eu-amsat@yahoogroups.com
Betreff: Re: [eu-amsat] Unitec 1

Mike Rupprecht schrieb:

Good morning all,

because of the low inclination of 30 deg we will nothing hear from NEGAI*☐
or WASEDASat in the middle of Europe :-(

73, Mike

DK3WN

Hallo Mike

Wo gibt es vorausberechnete Keplerdaten ?
Where are pre calculated Kepler data available ?

--

Mit freundlichen Grüssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3419. Re: [eu-amsat] FW: [amsat-bb] Negai TLE update

Yahoo group: eu-amsat
Date: 2010-05-18 12:06:30 UTC
From: Thomas Frey
Topic: 3417 Message: 3419

```
John Hackett schrieb:
>
>
>
>
> ----------------------------------------------------------------------
> From: la2qaa@...
> To: archie.hackett@...
> Subject: FW: [amsat-bb] Negai TLE update
> Date: Tue, 18 May 2010 13:04:56 +0200
>
>
>
> > From: ei7m-wkt@...
> > To: amsat-bb@...
> > Date: Tue, 18 May 2010 05:21:03 +0900
> > Subject: [amsat-bb] Negai TLE update
> >
> > Negai
> > 1 00000U 000000 10137.91382380 .00000000 00000-0 00000-0 0 000
> > 2 00000 29.9660 238.9027 0000001 120.7250 357.1250 15.90813690 000
> >
> >
```

Thanks John and Mike for the Kepler data. I've converted it to the AMSAT-format (own written software):

```
Satellite: Negai
Catalog number: 00000
Epoch time: 10137.91382380 (17.05.10)
Element set: 00
Inclination: 29.9660 deg
RA of node: 238.9027 deg
Eccentricity: 0.0000001
Arg of perigee: 120.7250 deg
Mean anomaly: 357.1250 deg
Mean motion: 15.90813690 rev/day
Decay rate: .00000000 rev/day^2
Epoch rev: 00
```

Also in Switzerland Negai will never be seen at 47.435278 deg North (JN47ck). I think Waseda-Sat2 has the same inclination and would also never be seen ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3420. Re: Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 15:14:28 UTC
From: yo9gjx
Topic: 3411 Message: 3420

it was transmited live at this adress on JAXA site and i think will be again on 21
http://www.jaxa.jp/countdown/f17/live/index_e.html
also control team page
http://sites.google.com/site/unitec1ops/

3421. Re: AW: [eu-amsat] Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-18 15:33:05 UTC
From: Luc Leblanc
Topic: 3411 Message: 3421

```
>
>
> Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
> von Thomas Frey
> Gesendet: Dienstag, 18. Mai 2010 12:16
> An: eu-amsat@yahoogroups.com
> Betreff: Re: [eu-amsat] Unitec 1
>
>
>
>
>
> Mike Rupprecht schrieb:
>
> Good morning all,
>
>
>
> because of the low inclination of 30 deg we will nothing hear from NEGAI*"
> or WASEDASat in the middle of Europe :-(
>
>
>
> 73, Mike
>
> DK3WN
>
>
```

Here he will be at .9deg of elevation at TCA just to say it will also be negative also in FN36

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3422. XW-1 Blog and E-QSL's

Yahoo group: eu-amsat
Date: 2010-05-19 08:03:38 UTC
From: Al
Topic: 3422 Message: 3422

Hi group.

If anyone is interested, LA2QAA and I have set up a simple blog to carry schedules etc for HO-68/XW-1 at ...
http://www.observations.biz/XW-1_BLOG/
and we'd be interested in hosting copies of any HO-68 related E-QSL cards you may have collected for general interest. If you send copies of the cards to gm1sxx@... I'll feature them on the blog.

73 Al GM1SXX

3423. HO-68 QSL cards

Yahoo group: eu-amsat
Date: 2010-05-19 10:50:16 UTC
From: John Hackett
Topic: 3423 Message: 3423

Group,
HO-68 QSL cards can now be shown on the HO-68 Blog at ...

<http://www.observations.biz/XW-1_BLOG/>

An image of the card may be forwarded to <gm1sxx@...> for inclusion.

73 John. <la2qaa@...>

3424. Re: Unitec 1

Yahoo group: eu-amsat
Date: 2010-05-21 07:59:11 UTC
From: yo9gjx
Topic: 3411 Message: 3424

finally is in the sky.
For tracking to Venus and periodic informations check oz9aec website.

http://www.oz9aec.net/

3425. Weekly HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-23 16:02:33 UTC
From: John Hackett
Topic: 3425 Message: 3425

To all it may concern,
As soon as I receive it I will post it.

73 John. <la2qaa@...>
.....
...

> Date: Sun, 23 May 2010 08:41:54 -0700
> From:
w6zkh@...
> To: amsat-bb@...
> Subject: [amsat-bb]
New HO-68 sked
>
> Anyone know when Alan will send out
the new weekly sked for HO-68, as last weeks is now out of date. I am
guessing it will be in the FM configuration, but that is again, just a
guess..
>
> John W6ZKH

3426. Re: [eu-amsat] Weekly HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-05-23 18:13:50 UTC
From: Thomas Frey
Topic: 3425 Message: 3426

Hello Al(l)

Do you remember?

```
Call ID ID Ch1 Ch2
-------------------
BJ1SA XW XW AAA TTT -> only beacon
BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
BJ1SA XW XW TTT ATT -> beacon + Software Upload
```

John Hackett schrieb:
>
>
> To all it may concern,
> As soon as I receive it I will post it.
>
> 73 John. <la2qaa@...>
> .....
.....
>
> > Date: Sun, 23 May 2010 08:41:54 -0700
> > From: w6zkh@...
> > To: amsat-bb@...
> > Subject: [amsat-bb] New HO-68 sked
> >
> > Anyone know when Alan will send out the new weekly sked for HO-68,
> as last weeks is now out of date. I am guessing it will be in the FM
> configuration, but that is again, just a guess..
> >
> > John W6ZKH
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3427. HO-68 Weekly Schedule.

Yahoo group: eu-amsat
Date: 2010-05-23 18:13:30 UTC
From: John Hackett
Topic: 3401 Message: 3427

```
All times UTC:

23 May 2010
================================
16:55...Turn On--FM
India, Africa, Middle East,
Europe,NA
17:40...Turn Off

18:40...Turn On--FM
Africa,Europe,Middle East,NA
19:25...Turn Off

22:45...Turn On--FM
NA,North Asia,East Asia,Oceania
23:30...Turn Off

24 May 2010
================================
03:25...Turn On--FM
South America,NA,North Asia
04:10...Turn Off

12:51...Turn On--FM
North Asia,East Asia,South Asia
13:05...Turn Off

18:20...Turn On--FM
Africa,Europe,NA
19:05...Turn Off

25 May 2010
================================
23:45...Turn On--FM
South America,NA,North Asia
00:30...Turn Off

01:15...Turn On--FM
South America,NA,North Asia
02:00...Turn Off

10:25...Turn On--FM
Oceania,Asia,Europe
11:10...Turn Off

14:22...Turn On--FM
North Asia, East Asia, South Asia
```

14:37...Turn Off

16:20...Turn On--FM
India,Middle East,Europe,NA
17:05...Turn Off

18:05...Turn On--FM
Africa,Europe,NA
18:50...Turn Off

26 May 2010
==========
10:05...Turn On--FM
Oceania,East Asia,North Asia,Europe
10:50...Turn Off

12:15...Turn On--FM
North Asia,East Asia,South Asia
12:29...Turn Off

17:50...Turn On--FM
Africa,Europe,NA
18:35...Turn Off

21:50...Turn On--FM
NA,North Asia,East Asia,Oceania
22:36...Turn Off

27 May 2010
==========
05:05...Turn On--FM
NA,North Asia,Middle East,
Europe,Africa
05:50...Turn Off

09:50...Turn On--FM
Oceania,Asia,Europe,NA
10:35...Turn Off

13:43...Turn On--FM
North Asia,East Asia,South Asia
13:59...Turn Off

17:30...Turn On--FM
Africa,India,Middle East,Europe,NA
18:15...Turn Off

19:00...Turn On--FM
Africa,Europe,NA
19:45...Turn Off

28 May 2010
==========

23:25...Turn On--FM
South America,NA,North Asia
00:10...Turn Off

13:31...Turn On--FM
North Asia,East Asia,South Asia
13:47...Turn Off

14:00...Turn On--FM
Europe,NA,South America
14:45...Turn Off

17:15...Turn On--FM
India,Africa,Europe,NA
18:00...Turn Off

23:05...Turn On--FM
South America,Africa,NA,
Europe,North Asia,East Asia
23:50...Turn Off

29 May 2010
==========
00:25...Turn On--FM
South America,NA,North Asia
01:10...Turn Off

13:11...Turn On--FM
North Asia,East Asia,South Asia
13:26...Turn Off

13:45...Turn On--FM
Europe,NA,South America
14:30...Turn Off

17:00...Turn On--FM
Africa,Europe,NA
17:45...Turn Off

30 May 2010
==========
00:05...Turn On--FM
South America,NA,North Asia
00:50...Turn Off

06:05...Turn On--FM
North Asia,Europe,Africa
06:50...Turn Off

13:00...Turn On--FM
North Asia,East Asia,South Asia
13:15...Turn Off

73
Alan Kung, BA1DU
HO-68(XW-1) Project Manager
www.camsat.cn

3428. HO-68 FM

Yahoo group: eu-amsat
Date: 2010-05-23 19:16:49 UTC
From: John Hackett
Topic: 3428 Message: 3428

Group,
Once again, absolute chaos! reigned supreme on HO-68's FM pass this evening.

One French station calling CQ satellite on top of a 'flock' of other stations replying to a MEGAPOWER station ... and surely !! must have heard the others ... but just kept right on calling - as if 'persistance' was enough to get through the chaos ... NEWSFLASH - it isn't, particularly when everyone else is doing the same thing.

One stations *WAS* trying to be a bit smarter - by using the locator! as the fishing hook, "This is KO****" etc ... nice try, but when people figured it out they ignored him too.

I would respectfully suggest the words 'NET DISICPLINE' be looked up, read and digested before tomorrow's pass ... but even that is tatramount to spitting into the wind.

80% of the operators *DO* know how to operate on a net - (which is akin to an FM satellite transponder) - but they just totally ignore common sense and join the fray ... thereby making
it even worse.

Yes, I know !!! it's only a hobby but the question from my daughter ... Those !!!! are radio amateurs ??" ... prompted this mail.

I was ashamed to say ... yes, they were.

73 John. <la2qaa@...>

3429. Re: [eu-amsat] HO-68 FM

Yahoo group: eu-amsat
Date: 2010-05-24 14:28:00 UTC
From: Eric Knaps, ON4HF
Topic: 3428 Message: 3429

That's the reason I don't work on those 1 channel fm satellites anymore.
Total chaos all the time!

73'
Eric.

Amateur Radio Station ON4HF
Eric Knaps
Satellite manager UBA

Tel. +32472985876 (mobile)

http://www.on4hf.be

Op 23-5-2010 21:16, John Hackett schreef:
>
> Group,
> Once again, absolute chaos! reigned supreme on HO-68's FM
> pass this evening.
>
> One French station calling CQ satellite on top of a 'flock' of other
> stations replying to a MEGAPOWER station ... and surely !! must have
> heard the others ... but just kept right on calling - as if
> 'persistance' was enough to get through the chaos ... NEWSFLASH - it
> isn't,
> particularly when everyone else is doing the same thing.
>
> One stations *WAS* trying to be a bit smarter - by using the locator!
> as the fishing hook,
> "This is KO****" etc ... nice try, but when people figured it out they
> ignored him too.
>
> I would respectfully suggest the words 'NET DISICPLINE' be looked up,
> read and digested
> before tomorrow's pass ... but even that is tatramount to spitting
> into the wind.
>
> 80% of the operators *DO* know how to operate on a net - (which is
> akin to an FM satellite transponder) - but they just totally ignore
> common sense and join the fray ... thereby making
> it even worse.
>
> Yes, I know !!! it's only a hobby but the question from my daughter
> ... Those !!!! are radio amateurs ??" ... prompted this mail.
>
> I was ashamed to say ... yes, they were.

>
> 73 John. <la2qaa@...>
>
>
>

3430. Re: HO-68 FM

Yahoo group: eu-amsat
Date: 2010-05-24 19:39:07 UTC
From: m5aka
Topic: 3428 Message: 3430

--- In eu-amsat@yahoogroups.com, "Eric Knaps, ON4HF" <on4hf@...> wrote:
> That's the reason I don't work on those 1 channel fm satellites
> anymore. Total chaos all the time!

Agreed they aren't really suited to normal QSO's. It's why I prefer linear transponders that allow multiple QSO's.

But single channel FM sats can be great for demonstrations as shown in this example:
http://www.southgatearc.org/news/may2010/satellite_demo.htm

The simple equipment and good audio clarity of FM can make a very effective demonstration.

Linear sats aren't as good for demonstrating to the general public. People who are not used to hearing SSB find it hard to work out what is being said particularly if the Doppler shift is being corrected manually.

I hope one day someone comes up with a digital voice mode that has the clarity of FM but in a bandwidth of less than 2.4 kHz.

73 Trevor M5AKA

3431. FW: DX Report.

Yahoo group: eu-amsat
Date: 2010-05-24 20:22:53 UTC
From: John Hackett
Topic: 3431 Message: 3431

Group,
ND9M/MM is
operating on HO-68, sailing out of Bahrain.

He makes 2 x QSO's
then leaves it to the others ... *EXCELLENT* !!!! operating.

Please
!!!!! use common sense and *NOT* call on top of him.

The
stations working the same stations over and over again ... please give
others a chance,
there really isn't much point in working the same
grid again and again just because you have the strongest signal.

There
ARE mobile and portable stations trying to get through but these last
2 days they have no chance whatsoever.

100w to a 10 element yagi
is *NOT* QRP.

73 John. <la2qaa@...>

3432. Request help

Yahoo group: eu-amsat
Date: 2010-05-24 20:53:15 UTC
From: John Hackett
Topic: 3432 Message: 3432

Group,
Can somebody help please.

Normally, I only use CW on an old FT-290RII but I have an IC-E92D FM handheld in the junque box.

It has all sorts of setting a *THICKO* like me doesn't understand. The manual is in Janglish - (Japanese English) - so that's no help since it contradicts itselkf in the space of 3 pages.

What I need to know is ...

To work HO-68 on FM, do I set the rig to ...

1) TONE.

2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the rig to "TONE" ... or to ... "TSQ" - (tone squelch).

You don't get this !!! problem when your only choice is between a 'dit' and a 'dah'

I thank you in anticipation of a reply to ...

<la2qaa2amsat.org>

73 John.

3433. Re: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-24 22:18:55 UTC
From: Thomas Frey
Topic: 3432 Message: 3433

John Hackett schrieb:
>
>
> Group,
> Can somebody help please.
>
>
Hello John, I hope so.

>
> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the
> rig to
> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>
> You don't get this !!! problem when your only choice is between a
> 'dit' and a 'dah'
>
> I thank you in anticipation of a reply to ...
>
> <la2qaa2amsat.org>
>
> 73 John.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3434. HO-68 QSL cards

Yahoo group: eu-amsat
Date: 2010-05-25 07:52:13 UTC
From: Al copland
Topic: 3432 Message: 3434

Hi John,

Are you the only guy who works HO-68? Despite asking, nobody else has seen fit to post any of their QSL cards. If they bat them over to me, I WILL post them on the Blog.

73 Al.
SXX

_____
http://clk.atdmt.com/UKM/go/197222280/direct/01/
Do you have a story that started on Hotmail? Tell us now

3435. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 09:19:56 UTC
From: John Hackett
Topic: 3432 Message: 3435

Hello Thomas,
Thanks for attempting to help, very much appreciated ... but unfortunately, I'm still in the dark.

I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? - (I have 5 choices) this is, is what I *DON'T* !!! know.

The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

1) TONE

2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

I would 'guess' it is either "tone" ... or ... "TSQ" ... I've tried both but can't hear myself through the transponder - whereas I'm *BOOMING* !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone squelch" for CTCSS on HO-68 ??.

Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte' ... hi hi.

Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@...>
.....

73 John.
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 25 May 2010 00:18:55 +0200
Subject: Re: [eu-amsat] Request help

John Hackett schrieb:

>

>

> Group,

> Can somebody help please.

>

>

Hello John, I hope so.

>

> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the

> rig to

> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>

> You don't get this !!! problem when your only choice is between a

> 'dit' and a 'dah'

>

> I thank you in anticipation of a reply to ...

>

> <la2qaa2amsat.org>

>

> 73 John.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3436. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 09:41:22 UTC
From: Chris Bloy
Topic: 3432 Message: 3436

Hi John,

It☐s going to be the tone setting.. however, good luck getting into HO-68 on low power on FM, I have tried many times with my 5 watts and an arrow and it☐s almost impossible to do it!

The big guns and small ears :0

Me its small ears and small gun!

Thanks,

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 25 May 2010 10:20
To: eu-amsat@yahoogroups.com
Subject: RE: [eu-amsat] Request help

Hello Thomas,
Thanks for attempting to help, very much appreciated
... but unfortunately, I'm still in the dark.

I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? - (I have 5 choices) this is, is what I *DON'T* !!! know.

The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

1) TONE

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4) DTCS ... ??

5) DTCSr ... ?? reverse

I would 'guess' it is either "tone" ... or ... "TSQ" ... I've tried both but can't hear myself through the transponder - whereas I'm *BOOMING* !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone squelch" for CTCSS on HO-68 ??.

Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte' ... hi hi.

Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@...>
.....
.....

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 25 May 2010 00:18:55 +0200
Subject: Re: [eu-amsat] Request help

John Hackett schrieb:
>
>
> Group,
> Can somebody help please.
>
>
Hello John, I hope so.

>
> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the
> rig to
> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>
> You don't get this !!! problem when your only choice is between a
> 'dit' and a 'dah'
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> I thank you in anticipation of a reply to ...
>
> <la2qaa2amsat.org>
>
> 73 John.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3437. HO-68 (B)log.

Yahoo group: eu-amsat
Date: 2010-05-25 09:36:58 UTC
From: John Hackett
Topic: 3437 Message: 3437

Group,
In lieu of a dedicated HO-68 online log similar to the AO-7 Resource Page log,
GM1SXX and myself have set up an HO-68 Blog.

Among other things, one can post eQSLs so that others can see who's doing what to whom,
and when. Just post a pic of your eQSL ... or comment to either GM1SXX or myself at
>callsign@...<

There is also a DX warning, 'live' tracking and a comments section, plus a stack of other
HO-68 information.

The blog is part of the OBSERVATIONS page and can be seen at ...

<http://www.observations.biz/XW-1_BLOG/>

As per ... GM1SXX does all the work - LA2QAA takes all the credit.

Don't be shy, lets see what you've got.

73 John. <la2qaa@...>

3438. HO-68 DX report

Yahoo group: eu-amsat
Date: 2010-05-25 09:47:18 UTC
From: John Hackett
Topic: 3438 Message: 3438

The latest info on the African DX from Hal Lund ZS6WB.

Subject: [ZS-SAT] NEXT STOP MALAWI for ZS6XK
On Tuesday morning ZS6XK/C91HLT left the Gorongosa Game Reserve in Mozambique on the next leg of the journey which will take John into Malawi. The first destination will be Blantyre where John will be issued his new 7Q7 callsign. The current plan is to be in Blantyre on Thursday afternoon so hopefully we will hear John with his new callsign on Friday, but it is more likely to be on Saturday or Sunday.

Following the stop in Blantyre John and his wife will spend the next few days traveling to the northern end of Lake Malawi before crossing into Zambia.

Hal ZS6WB

(Submitted by LA2QAA 250520100948Z)
.....

3439. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 09:57:14 UTC
From: John Hackett
Topic: 3432 Message: 3439

Chris,
Thank you *VERY* much indeed. It's as I guessed - but I was starting to wonder since I couldn't hear my downlink on FM - even with 50w !!! ... while I had no problem whatsoever working people with 2 watts on CW.

Again !!!! there''s a lesson in there for the 'designers'.

I've taken the liberty of posting this to the group, I hope you don't mind ... in case someone notes something vis-a-vis linear v FM - (don't be daft !!!!.....GM1SXX).

Thanks again Chris. The group working as it was envisaged.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@photofuture.co.uk
Date: Tue, 25 May 2010 10:41:22 +0100
Subject: RE: [eu-amsat] Request help

Hi John,

It’s going to be the tone setting.. however, good luck getting
into HO-68 on low power on FM, I have tried many times with my 5 watts and an
arrow and it’s almost impossible to do it!

The big guns and small ears :0

Me its small ears and small gun!

Thanks,

Chris

From: eu-amsat@yahoogroups.com
[mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett

Sent: 25 May 2010 10:20

To: eu-amsat@yahoogroups.com

Subject: RE: [eu-amsat] Request help

Hello Thomas,

Thanks for attempting to help, very much appreciated ... but unfortunately, I'm
still in the dark.

I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? - (I have 5
choices) this is, is what I *DON'T* !!! know.

The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

1) TONE

2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

I would 'guess' it is either "tone" ... or ... "TSQ" ...
I've tried both but can't hear myself through the transponder - whereas I'm
BOOMING !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone squelch"
for CTCSS on HO-68 ??.

Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte' ... hi hi.

Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@amsat.org>

.....
.....

73 John.

To: eu-amsat@yahoogroups.com

From: th.frey@...

Date: Tue, 25 May 2010 00:18:55 +0200

Subject: Re: [eu-amsat] Request help

John Hackett schrieb:

>

>

> Group,

> Can somebody help please.

>

>

Hello John, I hope so.

>

> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the

> rig to

> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>

> You don't get this !!! problem when your only choice is between a

> 'dit' and a 'dah'

>

> I thank you in anticipation of a reply to ...

>

> <la2qaa2amsat.org>

>

> 73 John.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3440. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 10:03:22 UTC
From: John Hackett
Topic: 3432 Message: 3440

RGR !! Chris,

The Alligators - (all mouth and no ears) - reign supreme on FM.

I don't know about BIG GUNS, I'm not even a small water pistol ... more like a catapult - made from knicker
elastic ... or a peashooter with pidgeon peas.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: chris@...
Date: Tue, 25 May 2010 10:41:22 +0100
Subject: RE: [eu-amsat] Request help

Hi John,

It’s going to be the tone setting.. however, good luck getting
into HO-68 on low power on FM, I have tried many times with my 5 watts and an
arrow and it’s almost impossible to do it!

The big guns and small ears :0

Me its small ears and small gun!

Thanks,

Chris

From: eu-amsat@yahoogroups.com
[mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett

Sent: 25 May 2010 10:20

To: eu-amsat@yahoogroups.com

Subject: RE: [eu-amsat] Request help

Hello Thomas,

Thanks for attempting to help, very much appreciated ... but unfortunately, I'm
still in the dark.

I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? - (I have 5
choices) this is, is what I *DON'T* !!! know.

The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

1) TONE

2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

I would 'guess' it is either "tone" ... or ... "TSQ" ...
I've tried both but can't hear myself through the transponder - whereas I'm
BOOMING !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone squelch"
for CTCSS on HO-68 ??.

Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte' ... hi hi.

Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@...>

.....
.....

73 John.

To: eu-amsat@yahoogroups.com

From: th.frey@vtxmail.ch

Date: Tue, 25 May 2010 00:18:55 +0200

Subject: Re: [eu-amsat] Request help

John Hackett schrieb:

>

>

> Group,

> Can somebody help please.

>

>

Hello John, I hope so.

>

> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the

> rig to

> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>

> You don't get this !!! problem when your only choice is between a

> 'dit' and a 'dah'

>

> I thank you in anticipation of a reply to ...

>

> <la2qaa2amsat.org>

>

> 73 John.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3441. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 11:24:49 UTC
From: Chris Bloy
Topic: 3432 Message: 3441

Exactly my point John, I have tried many times to use the FM transponder to access the bird however not even a blip!

I am building my linear station, but can only work it portable as no way I can get antennas up on the house.

It☐s very hard to hold and tune with an arrow in the other as well as speak!

Thanks,

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 25 May 2010 11:03
To: eu-amsat@yahoogroups.com
Subject: RE: [eu-amsat] Request help

RGR !! Chris,

The Alligators - (all mouth and no ears) - reign supreme on FM.

I don't know about BIG GUNS, I'm not even a small water pistol ... more like a catapult - made from knicker elastic ... or a peashooter with pidgeon peas.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@...
Date: Tue, 25 May 2010 10:41:22 +0100
Subject: RE: [eu-amsat] Request help

Hi John,

It☐s going to be the tone setting.. however, good luck getting into HO-68 on low power on FM, I have tried many times with my 5 watts and an arrow and it☐s almost impossible to do it!

The big guns and small ears :0

Me its small ears and small gun!

Thanks,

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 25 May 2010 10:20
To: eu-amsat@yahoogroups.com
Subject: RE: [eu-amsat] Request help

Hello Thomas,
Thanks for attempting to help, very much appreciated
... but unfortunately, I'm still in the dark.

I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? - (I have 5 choices) this is, is what I *DON'T* !!! know.

The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

1) TONE

2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

I would 'guess' it is either "tone" ... or ... "TSQ" ... I've tried both but can't hear myself through the transponder - whereas I'm *BOOMING* !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone squelch" for CTCSS on HO-68 ??.

Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte' ... hi hi.

Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@...>
.....
.....

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 25 May 2010 00:18:55 +0200
Subject: Re: [eu-amsat] Request help

John Hackett schrieb:
>

>
> Group,
> Can somebody help please.
>
>
Hello John, I hope so.

>
> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the
> rig to
> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>
> You don't get this !!! problem when your only choice is between a
> 'dit' and a 'dah'
>
> I thank you in anticipation of a reply to ...
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> <la2qaa2amsat.org>
>
> 73 John.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3442. Re: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 13:05:18 UTC
From: Thomas Frey
Topic: 3432 Message: 3442

Hello John and Chris

Chris Bloy schrieb:
>
>
> Hi John,
>
> It?s going to be the tone setting.. however, good luck getting into
> HO-68 on low power on FM, I have tried many times with my 5 watts and
> an arrow and it?s almost impossible to do it!
>

The best way to try out CTCSS via satellite is via SO-50.
If you have a nearby terrestrial repeater with CTCSS this
would be much better.

> Hello Thomas,
> Thanks for attempting to help, very much appreciated ... but
> unfortunately, I'm still in the dark.
>
> I know HO-68 FM (voice) requires 67Hz CTCSS but at which setting ?? -
> (I have 5 choices) this is, is what I *DON'T* !!! know.
>
> The 'Janglish' - (Japanese/English) - manual is very confusing.
>
> I have the choice between setting the rig to ...
>
> 1) TONE
>
> 2) TSQ ... (tone squelch)
>
> 3) TSQr ... (tone squelch reverse)
>
> 4) DTCS ... ??
>
> 5) DTCSr ... ?? reverse
>
> I would 'guess' it is either "tone" ... or ... "TSQ" ... I've tried
> both but can't hear myself through the transponder - whereas I'm
> *BOOMING* !!! in on CW.
>

OK, its not "DTCS", its a digital squelch I think.
"TONE" could be the 1750 Hz tone for repeaters/relais.
So we have "TSQ" tone squelch. The one is to open and
the other is for opening, if you have another HT with

the same function.

Try first "TONE". If you hear a 1750 Hz tone on your
FT-290 then you can exclude "TONE". Then try with
"TSQ". I think "reverse" means "receive", this would
make sense. "To receive" a tone or digital frame for
opening the own HT.
>
>
> (I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).
>
> So I'm still none the wiser ... "Tone" ... or ... "Tone squelch" for
> CTCSS on HO-68 ??.
>
> Sorry to be such a 'pain' Thomas but 'modern' gear is not my forte'
> ... hi hi.
>
> Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.
>
> 73 John. <la2qaa@...>
> .....
.....
>
>
>
>
> 73 John.
>
> ---
>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Tue, 25 May 2010 00:18:55 +0200
> Subject: Re: [eu-amsat] Request help
>
> John Hackett schrieb:
> >
> >
> > Group,
> > Can somebody help please.
> >
> >
> Hello John, I hope so.
>
> >
> > I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the
> > rig to
> > "TONE" ... or to ... "TSQ" - (tone squelch).
>
> You need 67 Hz CTCSS

>
> >
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> > <la2qaa2amsat.org>
> >
> > 73 John.
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3443. RE: [eu-amsat] Request help

Yahoo group: eu-amsat
Date: 2010-05-25 14:31:17 UTC
From: John Hackett
Topic: 3432 Message: 3443

Hrm,
Short of throwing together a 5kW amplifier I think I'll stick to flea power on CW.

It works !!!! ... see the HO-68 (b)log at ... <http://www.observations.biz/XW-1_BLOG/>

Just kidding ... I'm not a fan of the - 'Mine's bigger than yours!' - syndrom. I'm more of a
William of Occum follower - "Tis vain to do with more, what can be done with less". More of a challenge. Any eejit can wail a microphone but to communicate with CW require at least three (3) obligatory braincells working in tandem ... dit, dah, space

The FM game only requires an ON/OFF switch ... (usually with brain OFF).

Before you start hitting the *DISAGREE* button folks ... it's only an *OPINION* from an old f*rt when didn't cut his license from the back of a cornflake packet ... (read: 'tick box mentality).

My opinion is that when people had to sit a proper exam to get a license, the standards were quite a lot higher ... as was the operating proceedure and general conduct.

Swearing was frowned upon ... I'm told that these days 'street language' is perfectly acceptable to OFFCON ... sorry! ... OFFCOM ... psst, wanna buy a frequency ?? ...

It's hard to distinguish the wheat from the chaff these days. ...

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@...
Date: Tue, 25 May 2010 12:24:49 +0100
Subject: RE: [eu-amsat] Request help

Exactly my point John, I have tried many times to use the FM transponder to access the bird however not even a blip!

I am building my linear station, but can only work it portable as no way I can get antennas up on the house.

It’s very hard to hold and tune with an arrow in the other as well as speak!

Thanks,

Chris

From: eu-amsat@yahoogroups.com
[mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett

Sent: 25 May 2010 11:03

To: eu-amsat@yahoogroups.com

Subject: RE: [eu-amsat] Request help

RGR !! Chris,

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To: eu-amsat@yahoogroups.com

From: chris@photofuture.co.uk

Date: Tue, 25 May 2010 10:41:22 +0100

Subject: RE: [eu-amsat] Request help

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to be the tone setting.. however, good luck getting into HO-68 on low power on FM, I have tried many times with my 5 watts and an arrow and it’s almost impossible to do it!

The big guns
and small ears :0

Me its small
ears and small gun!

Thanks,

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com]
On Behalf Of John Hackett

Sent: 25 May 2010 10:20

To: eu-amsat@yahoogroups.com

Subject: RE: [eu-amsat] Request help

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The 'Janglish' - (Japanese/English) - manual is very confusing.

I have the choice between setting the rig to ...

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2) TSQ ... (tone squelch)

3) TSQr ... (tone squelch reverse)

4) DTCS ... ??

5) DTCSr ... ?? reverse

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BOOMING !!! in on CW.

(I monitor myself on the FT-290RII so the IC-E92D *IS* transmitting OK).

So I'm still none the wiser ... "Tone" ... or ... "Tone
squelch" for CTCSS on HO-68 ??.

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Which ... "TONE" ... or ... "TONE SQUELCH" ... ??.

73 John. <la2qaa@...>

.....
.....

73 John.

To: eu-amsat@yahoogroups.com

From: th.frey@vtxmail.ch

Date: Tue, 25 May 2010 00:18:55 +0200

Subject: Re: [eu-amsat] Request help

John Hackett schrieb:

>

>

> Group,

> Can somebody help please.

>

>

Hello John, I hope so.

>

> I *know* HO-68 FM requires 67Hz but I *DON'T* know if I should set the

> rig to

> "TONE" ... or to ... "TSQ" - (tone squelch).

You need 67 Hz CTCSS

>

> You don't get this !!! problem when your only choice is between a

> 'dit' and a 'dah'

>

> I thank you in anticipation of a reply to ...

>

> <la2qaa2amsat.org>

>

> 73 John.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3444. "sustainable satellite" Cube sat

Yahoo group: eu-amsat
Date: 2010-05-25 21:14:41 UTC
From: Luc Leblanc
Topic: 3444 Message: 3444

A cube sat " "sustainable satellite" university project of ETS (École de technologie supérieure) in Montreal will be presented at the
Québec Provincial Hamfest in Sorel-Tracy on MAY 30 2010 www.hamfest.qc.ca

Project details are on the following web site in french an english:

http://edds.etsmtl.ca/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=1&lang=en

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3445. Re: "sustainable satellite" Cube sat

Yahoo group: eu-amsat
Date: 2010-05-26 08:17:43 UTC
From: Al
Topic: 3444 Message: 3445

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> http://edds.etsmtl.ca/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=1&lang=en

Our company Sophos Web Appliance blocks access to this site because...quote.. "Viruses, Worms and malware have regularly been found on this site." Go there at your peril. You have been warned.

73 Al.
GM1SXX

3446. Re: [eu-amsat] Re: "sustainable satellite" Cube sat

Yahoo group: eu-amsat
Date: 2010-05-26 13:07:21 UTC
From: Marco IK1ODO -2
Topic: 3444 Message: 3446

At 10:17 26-05-10, you wrote:
>
>
>--- In <mailto:eu-amsat%40yahoogroups.com>eu-amsat@yahoogroups.com,
>Luc Leblanc <lucleblanc6@...> wrote:
> >
> <http://edds.etsmtl.ca/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=1&lang=en>http://edds.etsmtl.ca/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=1&lang=en
>
>Our company Sophos Web Appliance blocks access to this site
>because...quote.. "Viruses, Worms and malware have regularly been
>found on this site." Go there at your peril. You have been warned.
>
>73 Al.
>GM1SXX

The website works, and there have been no strange things downloaded ;-)
Sophos is, IMHO, overprotective, even if in general universitary web
sites are to be taken with a grain of salt.

Marco IK1ODO

3447. Re: "sustainable satellite" Cube sat

Yahoo group: eu-amsat
Date: 2010-05-27 06:01:18 UTC
From: yo9gjx
Topic: 3444 Message: 3447

```
> >Our company Sophos Web Appliance blocks access to this site
> >because...quote.. "Viruses, Worms and malware have regularly been
> >found on this site." Go there at your peril. You have been warned.
```

It is stupid. I scan with NMAP and is no danger. They use a linux debian on server

Take a look:

```
Starting Nmap 5.00 ( http://nmap.org ) at 2010-05-27 08:51 EEST
NSE: Loaded 30 scripts for scanning.
Initiating Ping Scan at 08:51
Scanning 142.137.247.119 [6 ports]
Completed Ping Scan at 08:51, 1.92s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 08:51
Completed Parallel DNS resolution of 1 host. at 08:51, 0.20s elapsed
Initiating Connect Scan at 08:51
Scanning edds.etsmtl.ca (142.137.247.119) [1000 ports]
Discovered open port 22/tcp on 142.137.247.119
Discovered open port 443/tcp on 142.137.247.119
Discovered open port 1723/tcp on 142.137.247.119
Discovered open port 80/tcp on 142.137.247.119
Completed Connect Scan at 08:51, 16.57s elapsed (1000 total ports)
Initiating Service scan at 08:51
Scanning 4 services on edds.etsmtl.ca (142.137.247.119)
Completed Service scan at 08:52, 15.03s elapsed (4 services on 1 host)
NSE: Script scanning 142.137.247.119.
NSE: Starting runlevel 1 scan
Initiating NSE at 08:52
Completed NSE at 08:52, 5.02s elapsed
NSE: Script Scanning completed.
Host edds.etsmtl.ca (142.137.247.119) is up (0.20s latency).
Interesting ports on edds.etsmtl.ca (142.137.247.119):
Not shown: 980 filtered ports
PORT STATE SERVICE VERSION
21/tcp closed ftp
22/tcp open ssh OpenSSH 5.1p1 Debian 5 (protocol 2.0)
| ssh-hostkey: 1024 db:76:31:53:67:b9:5d:7b:73:06:88:86:79:44:11:cd (DSA)
|_ 2048 55:8c:8c:87:9a:31:5a:a0:9e:3a:36:56:a9:95:ff:98 (RSA)
53/tcp closed domain
80/tcp open http Apache httpd 2.2.9 ((Debian) DAV/2 SVN/1.5.1 PHP/5.2.6-1+lenny8 with
Suhosin-Patch mod_ssl/2.2.9 OpenSSL/0.9.8g mod_wsgi/2.5 Python/2.5.2)
| robots.txt: has 14 disallowed entries
| /administrator/ /cache/ /components/ /images/
| /includes/ /installation/ /language/ /libraries/ /media/
|_ /modules/ /plugins/ /templates/ /tmp/ /xmlrpc/
|_ html-title: EDDS en 2 phrases
```

```
110/tcp closed pop3
143/tcp closed imap
443/tcp open ssl/http Apache httpd 2.2.9 ((Debian) DAV/2 SVN/1.5.1 PHP/5.2.6-1+lenny8 with
Suhosin-Patch mod_ssl/2.2.9 OpenSSL/0.9.8g mod_wsgi/2.5 Python/2.5.2)
| robots.txt: has 14 disallowed entries
| /administrator/ /cache/ /components/ /images/
| /includes/ /installation/ /language/ /libraries/ /media/
|_ /modules/ /plugins/ /templates/ /tmp/ /xmlrpc/
|_ html-title: EDDS en 2 phrases
993/tcp closed imaps
995/tcp closed pop3s
1213/tcp closed unknown
1352/tcp closed lotusnotes
1723/tcp open pptp linux (Firmware: 1)
1755/tcp closed wms
1801/tcp closed unknown
1935/tcp closed rtmp
2401/tcp closed cvspserver
3389/tcp closed ms-term-serv
5060/tcp closed sip
8000/tcp closed http-alt
8001/tcp closed unknown
Service Info: Host: local; OS: Linux

Read data files from: /usr/share/nmap
Service detection performed. Please report any incorrect results at
http://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 9.40 seconds
```

3448. Re: "sustainable satellite" Cube sat

Yahoo group: eu-amsat
Date: 2010-05-27 07:49:57 UTC
From: Al
Topic: 3444 Message: 3448

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
>
> > >Our company Sophos Web Appliance blocks access to this site
> > >because...quote.. "Viruses, Worms and malware have regularly been
> > >found on this site." Go there at your peril. You have been warned.
>
>
> It is stupid. I scan with NMAP and is no danger. They use a linux debian on server
>

I suggest you complain to Sophos then. They are at www.sophos.com and are one of the largest and best known providers of anti-virus products in the UK and elsewhere. I for one will take their advice and will not trust the site.

73 Al.
GM1SXX

3449. HO-68 DX info.

Yahoo group: eu-amsat
Date: 2010-05-27 19:06:30 UTC
From: John Hackett
Topic: 3449 Message: 3449

Group,
The following is for those with ears ....

73 John. la2qaa@...>

.....

de ND9M/MM?

From:

Clary, James T, Civilian
(James.T.Clary.civ@...)

You may not know this
sender.Mark as safe|Mark as junk

Sent:
Thursday, May 27, 2010 8:25:57 PM

To:
la2qaa@...

Hello John,

Hal, ZS6WB, forwarded your posting to me about your remarks concerning my operating on HO-68. Many tks for the compliment.

Although I've been on HO-68 only a few times in this part of the world, the operating conditions you referred to occur in the USA regularly as well. The same ops check in with each other during every pass.

I have not seen that happen in this part of the world though. It's probably because I am far enough south that by the time all of EU gets on the satellite, the pass is ending for me anyway.

The first few HO-68 passes that I operated were with full duplex; my rig was a Yaesu FT-897D for TX and an FT-817ND for RX with an Arrow-2 yagi. Yesterday, I accidently reversed the power leads to my 817, so it will not be available to me until I reach Diego Garcia where my ship is heading.

So now I am using the 897 in half-duplex mode. It is not as easy of course, but the packet bursts from HO-68 help me with aiming the antenna and tuning the RX.

I worked several EUs while in the Persian Gulf, but I am sorry that I did not work you.

I will try AO-7 tomorrow when it is in Mode B. My ship and LA-land will both be in the footprint at about 28/1356Z. Perhaps we will work then.

73 for now,

Jim, ND9M/MM / VQ9JC
Grid MK19

3450. New EU-AMSAT group members

Yahoo group: eu-amsat
Date: 2010-05-28 08:26:26 UTC
From: Al
Topic: 3450 Message: 3450

Hi Group.

We seem to have attracted a few new members lately so I'd like to take the opportunity to welcome the new guys and to say that this is *your* reflector, for discussion of matters satellite related. Although it is a moderated group, we do encourage original thought, so don't be afraid to think outside the 'official' box. Original thought is welcomed.

This group is not subject to censorship, with the only caveat that we do reserve the right to delete any message that is deemed grossly offensive by the moderators. With that over I'll say that this group has now been running for five years and now has a membership of 184 people. Well done folks, and keep up the good work.
If you have files of photos to post, please try to make use of existing folders where possible to post stuff, to linit the number of folders.
Keep up the good work.

73 Al GM1SXX & John LA2QAA.

3451. ZW8B - IOTA SA-025 & LIGHTHOUSES ACTIVATION - NEXT WEEK.

Yahoo group: eu-amsat
Date: 2010-05-28 10:16:12 UTC
From: ps8rf
Topic: 3451 Message: 3451

Hello All,

On June 1 a part of the team ZW8B arrives in Santa Isabel Island. Our intention is to work a greater number of days in the communications via Satellites. Our prediction is that we are still active in the satellites in the early evening of June 1 in the satellites AO-51 VO-52, SO-50, FO-29, SO-67 (if active), HO-68 and AO-7 A and B. It's a good chance to work via satellite, a Brazilian amateur station and a rare grid. We hope to make a grand party of DX , especially for the community of satellite operators.

On line Log: http://www.clublog.org/charts/?c=ZW8B
<http://www.clublog.org/charts/?c=ZW8B>

Teresina Dx Group: http://www.teresinadxgroup.com/theDX/
<http://www.teresinadxgroup.com/theDX/>

73'

Piraja, PS8RF

3452. An experiment.

Yahoo group: eu-amsat
Date: 2010-05-28 16:22:56 UTC
From: John Hackett
Topic: 3452 Message: 3452

Group,
After an absence of over 12 months on AO-7 ... and in sheer disgust at zoological operating proceedures on the non-linear satellites I decided to see if anybody could still copy my QRP CW signal on AO-7.

Before the pass I informed GM1SXX of my intention - to make sure there were no prearranged 'sked' type contacts.

(Which there wern't).

VQ9JC operating as ND9M/MM requested a sked on AO-7 but that was on SSB.

The equipment comprised ...

TX: TR-851E on low power - (2w) - no CAT, manual doppler - (minimal on AO-7).
RX: 22 year old FT-290RII, no preamp.
6 element homebrew yagi to transmit CW on 432.150.
3 el yagi (Arrow) to receive on 145.942

Aerials mounted on a small rotor outside, on the window-frame at ground level ...
(disguised as 'TV' aerials since my new QTH is a no aerial zone).

Some of the stations answering my CQ were ...

Orbit 62612 9A2EY
Orbit 62613 UA9CS, RW9SL, F2IL
Orbit 62614 UN7CY, 9A2EY

The point of the experiment was to show ...

1) The above stations have ears !!! ... and use them - (well done! chaps)

2) You do *NOT* !!! need a lot of power and sophisticated equipment.

3) You do *NOT* need to 'wait in line' until somebody decides to let you in on FM.

NB.

None of the stations were told I was operating QRP.

I can only conclude that there's an *ENORMOUS* !!!! difference in the standard of operating between the zoological operators (FM) and the CW operators (they actually listen !!!! before they 'speak').

Don't forget chaps, the majority of FM operators *ARE* using full duplex rigs so there *IS* no logical excuse for the bedlam ... other than poor receiving equipment coupled with operating proceedure.

73 John. <la2qaa@...>

3453. Experiment Findings

Yahoo group: eu-amsat
Date: 2010-05-29 14:39:26 UTC
From: Al
Topic: 3453 Message: 3453

Hi Group,

LA2QAA uses a satellite antenna system disguised as a TV antenna.... a small one, consisting of an Arrow antenna placed on an azimuth rotator mounted on the outside wall of his flat in Ornvika (Kristiansund, Norway). The rotator can only scan a small angular swathe of sky before the elements collide with the house wall. In any event, he lives in a fjord, surrounded by *big* hills. He used two watts on the uplink to AO7 but inadvertently left the antenna pointing in the wrong direction when he made his QRP OSO with F2IL in France. He still managed to make the contact.

So to recap...2 watts CW on the uplink to a low gain antenna and the antenna not even pointed at bird. Signal report from F2IL... 549 with QRM.

While FM operating positively encourages high power, to beat capture effect, often usually allied with bad manners, operating linear birds works best with the opposite technique, 'low power and good manners'.
FM only allows rubber stamp type QSO's at best, so of course some people get bored with it want to migrate to linear birds where more normal QSO's can take place. Can anyone see a small problem here? A tiny little fly in the ointment?

John sent me a copy of his E-QSL from F2IL. I posted it at....
http://groups.yahoo.com/group/eu-amsat/photos/album/1368350666/pic/1741417331/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
If the link doesn't work for you, just go to the photos section.
Low power works well on linear birds, even with modest antennas.
Always has done, so why do so many people run such high power levels? I can only assume that they have lousy receive systems and think that by shouting louder, they will somehow compensate for that. It doesn't work :-) For those with decent RX system who are also equipped with ears... I salute you.

Have a good weekend.
73 Al.

3454. NEGAI* via skype

Yahoo group: eu-amsat
Date: 2010-05-29 15:38:41 UTC
From: Mike Rupprecht
Topic: 3454 Message: 3454

Hi Group,

Today I made an exciting experiment together with my friend Tetsu san JA0CAW.

Since we can't hear NEGAI* in Central Europe we established a live link between our stations.

Tetsu gave me access to his PC via remote control (VNC) and I could control his transceiver.

We established a second connection via skype for audio.

The audio quality was excellent and I could hear NEGAI at a 10 deg pass over the Pacific Ocean :-)

See here: http://www.dk3wn.info/p/?p=15176

73, Mike

DK3WN

3455. RE: [eu-amsat] NEGAI* via skype

Yahoo group: eu-amsat
Date: 2010-05-29 18:05:16 UTC
From: John Hackett
Topic: 3454 Message: 3455

Nice one! Mike,
I used to do this with W0EEC, now N1DID Emily, though nothing quite as
'exotic' as NEGAI.

People can also use remote base stations to work satellites in other parts of the world.

I don't know if ther Australian one is still operating, several years since I used it. It was
set up specifically for AO-51.

It was a 'LOT !!! easier to work down under than in Europe. You can control the az:/el: rotor
'down there' from your computer 'up here'.

Anyone wanting to try it just Google - REMOTE BASE STATIONS.

73 John. <la2qaa@...>

3456. Hi group!

Yahoo group: eu-amsat
Date: 2010-05-30 09:54:46 UTC
From: LA2MOA
Topic: 3456 Message: 3456

As a newcomer here, I just wanted to say hallo. I've been playing with sats for quite a while, but it's not until now I've got really bitten by the bug, hi! Right now I'm QRV on the FM LEO's, such as AO-51 and SO-50. I've heard HO-68 once, when it was passing right over my head, with the strongest signals I've ever heard from a sat - still it was impossible for me to get any contacts, as the bird was completely blocked by high-power operators from central and eastern EU. Still, I've managed to work quite a few stations on AO-51 and SO-50 with my modest QRP setup; VX-7R @ 5W into a 145 MHz turnstile for the uplink, and my old trusty FT470 into a 435 MHz turnstile for the downlink. This works amazingly well. Antennas are homebrew, using PVC-tubing and the elements are made of aluminium welding rods.

For portable work, I've built an "Arrow style" yagi for 145/435. elements on 70cm and 5 elements on 2 meter. This one is also built by using PVC-tubing and welding rods, and is based on DK7ZB's ultra-lightweight construction plans. The whole thing is mounted on a camera tripod, which allows for both azimuth rotation and elevation.

Right now I'm planning to build two small X-yagis for 145 and 435 MHz, which I will mount on the roof on an small TV-rotator, and fixed elevation of about 25-30 degrees. Think this will be fine for some QRP SSB and CW work on VO-52 and AO-7. I have 2 x FT-817, which I think will work fine for the up and downlinks on SSB/CW.

I,m uploading a few photos of my antennas, which can be found in the album named LA2MOA.

Cu on the birds!

73!

Hans / LA2MOA
JP50hw

3457. New members.

Yahoo group: eu-amsat
Date: 2010-05-30 10:30:13 UTC
From: John Hackett
Topic: 3456 Message: 3457

On behalf of the group,
We'd like to extend a hearty welcome to LA2MOA and thank him for
his descriptive mail.

This is the kind of thing that 'IS* of interest to other operators is is welcome and useful,
allowing people to get an idea of what equipment is currently being used.

Remember, we run everything from Arrows to EME arrays - (LA2QAA to ES1RF).

TIP:

When HO-68 is in linear mode the operating is far more civilised.

Founders & moderators.

73 John & Al. <la2qaa@...> <gm1sxx@...>

Homepage: <http://www.observations.biz>

Make sure you visit the HO-68 blog for the latest DX news.

3458. AW: [eu-amsat] NEGAI* via skype

Yahoo group: eu-amsat
Date: 2010-05-30 18:34:24 UTC
From: Mike Rupprecht
Topic: 3454 Message: 3458
Attachments: 2 described; binary payloads are missing from this source WARC

Hi John,

yes it is no new way but always a new experience J

We did a similar presentation with COMPASS-1 at the AMSAT-DL symposium last year. We connected Henks (PA3GUO) station via remote control software (Teamviewer) and in parallel via skype for the audio. We sent DTMF tones via skype and could hear the answer from COMPASS-1.

Anyway - it's a good solution to make signals available from satellites with low inclinations in our "northern" part of the world.

The more interesting point is now to experiment with other modes. For example - can we decode a AFSK signal transmitted by skype? Which modes are possible (maybe in up/downlink) with VoIP technology. It seems a new field for experiments is open :-)

73, Mike

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Samstag, 29. Mai 2010 20:05
An: eu-amsat@yahoogroups.com
Betreff: RE: [eu-amsat] NEGAI* via skype

Nice one! Mike,
I used to do this with W0EEC, now N1DID Emily, though nothing quite as
'exotic' as NEGAI.

People can also use remote base stations to work satellites in other parts of the world.

I don't know if ther Australian one is still operating, several years since I used it. It was
set up specifically for AO-51.

It was a 'LOT !!! easier to work down under than in Europe. You can control the az:/el: rotor
'down there' from your computer 'up here'.

Anyone wanting to try it just Google - REMOTE BASE STATIONS.

73 John. <la2qaa@...>

3459. RE: AW: [eu-amsat] NEGAI* via skype

Yahoo group: eu-amsat
Date: 2010-05-30 20:50:33 UTC
From: John Hackett
Topic: 3454 Message: 3459

Hi Mike,
I absolutely agree with you.

I found it most interesting seeing the difference in (amateur) operating proceedure between American and European stations on FM.

It was this practical experience that instigated my earlier comments regarding FM v CW/SSB.

I'm sure you've been having a look at the HO-68 blog and as can be seen - there *IS* some genuine DX. The 'trick' now is to get a lot more of the rarer countries operating because the average pass of HO-68 over Europe covers 50+ countries from Portugal to Pakistan, Svalbard to Sudan ... currently, covering Europe, Africa, the Middle East and parts of Asia.

I'm working on this trick "as we speak".

Obviously, an HEO is better for DX but we have to work with what we've got.

I'm trying to get some answers from Camsat re: the schedule because while the Americans seem to prefer FM, it's my contention that most of the European operators would be happier with 25% digital, split between PACKET and SSTV (for the SWL's), 25% FM (for the newcomers) and 50% for the more experienced operators - with the schedule timing taking into account the 'active' DX operators like ZS and VQ that have been operating on HO-68 lately.

Anyone seriously disagreeing with the above suggestion is welcome to drop a line to the reflector and air your thoughts.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Sun, 30 May 2010 20:34:24 +0200
Subject: AW: [eu-amsat] NEGAI* via skype

Hi John,

yes it is no new way but always a new experience J

We did a similar presentation with COMPASS-1 at the AMSAT-DL symposium last year. We connected Henks (PA3GUO) station via remote control software (Teamviewer) and in parallel via skype for the audio. We sent DTMF tones via skype and could hear the answer from COMPASS-1.

Anyway – it’s a good solution to make signals available from satellites with low inclinations in our “northern” part of the world.

The more interesting point is now to experiment with other modes. For example - can we decode a AFSK signal transmitted by skype? Which modes are possible (maybe in up/downlink) with VoIP technology… It seems a new field for experiments is open :-)

73, Mike

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett

Gesendet: Samstag, 29. Mai 2010 20:05

An: eu-amsat@yahoogroups.com

Betreff: RE: [eu-amsat] NEGAI* via skype

Nice one! Mike,

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People can also use remote base stations to work satellites in other parts of the world.

I don't know if ther Australian one is still operating, several years since I used it. It was

set up specifically for AO-51.

It was a 'LOT !!! easier to work down under than in Europe. You can control the az:/el: rotor

'down there' from your computer 'up here'.

Anyone wanting to try it just Google - REMOTE BASE STATIONS.

73 John. <la2qaa@...>

3460. Uplifting(!) morning on AO-51

Yahoo group: eu-amsat
Date: 2010-05-31 06:07:40 UTC
From: LA2MOA
Topic: 3460 Message: 3460

This morning I experienced the best results I've ever had on AO-51. Ok, the sat passed right over my head (max elevation was 89 degrees, hi), but with my QRP-setup into turnstile antennas, I managed to work no less than 6 new stations (and grids) within 5 minutes - between 0720-0725 local time. And yes, there was plenty of room for everyone to work eachother. Seems that the LEO's are much more crowdwd during the weekends. Lucky me, who starts to work in the late afternoon every day.

Anyway, the stations who made me very happy this morning was:

UR5BFX in KN29tn
US1GBF in KN66hq
UR5ASF in KO61of
ES8SW in KO28jb
YO9GJX in KN25ud
IZ5FSO in JN53mk

Indeed, workin FM LEO's are much more fun when operating is relaxed and stations are not shouting CQ on top of each other. That really gives low power stations a chanse to actually be heard on the bird...

Heard on the bird... haha...

73!

Hans / LA2MOA
JP50hw

3461. HO-68 schedule

Yahoo group: eu-amsat
Date: 2010-05-31 08:26:22 UTC
From: John Hackett
Topic: 3461 Message: 3461

FYI

No HO-68 weekly schedule "as we speak" at 082031052010Z.

Probably due to the Chinese President visiting the main ground station.

Be patient chaps.

73 John. <la2qaa@...>

3462. More DX

Yahoo group: eu-amsat
Date: 2010-05-31 17:14:52 UTC
From: John Hackett
Topic: 3462 Message: 3462

Group,
Listen !!! ... and you might work some of the rarer ones.

73 John. <la2qaa@...>
.....

RE: HO-68 is a CHAMP!?

From:

Hal Lund ZS6WB (zs6wb@...)

Sent:
Monday, May 31, 2010 6:52:38 PM

To:
la2qaa@...

Hi
John

Working good
DX today, even without HO-68.

AO-51 is doing a great job.

On earlier
pass of AO-51 eight of us worked 7Q7HLT who is now in KH75pd and will
move
further north tomorrow.

At 1627 utc
tonight three ZS stations worked 5N50/ZR6DEA in Abudja, Nigeria
(JJ39RB).
This was great DX for AO-51 and watching the track after the satellite
moved
north saw that he could have worked all of southwest Europe initially,
then all
the way up to the northern part of the UK. If he got in there I hope the
guys
had good manners. Tell the guys to forget names and grids, just calls
and signal
report. Dean will be in Nigeria for about a week on this trip. I just
received a message from Dean saying the whole of Europe was calling
him

Another Dean,
ZD8DC is also due to become active from about 02 June for 2-3 weeks and

may be
on FM and SSB sats..

Good
hunting!

73
- Hal ZS6WB

-----Original Message-----
From: John Hackett
[mailto:archie.hackett@...]
Sent: Sunday, May 30,
2010 10:38
AM
To: Hal ZS6WB
Subject: RE: HO-68 is a
CHAMP!

Hello
Hal,

Great ! ... and congratulations.

I've added you mail to the
HO-68 blog.
You're doing us a great service Hal because your mails 'ARE*
helping me to
encourage a better style of operating
on HO-68 ... in a "subtle" way.

Teach

by example.

Your mails also confirm the potential of HO-68.

Keep
them
coming Hal.

Again, Alan Kung is late with the

schedule. I'll get onto Camsat HQ again - 'hobby' or not, we really
should be on
our toes.

73 John.
<la2qaa@...>

3463. Re: [amsat-bb] Re: Doppler Tuning Convention Question

Yahoo group: eu-amsat
Date: 2010-06-01 07:32:22 UTC
From: Luc Leblanc
Topic: 3463 Message: 3463

This thread is cyclic but it is ok to be revisited time to time.

excerpt:
> My suggestion is to use full tuning until you find that the other operator
> isn't. Then adapt, usually by turning off the updating for the lower
> frequency. It isn't worth getting doctrinaire about it. However, by using
> the One True Rule as the default, you set a good example and encourage the
> movement of other operators in this direction. As you will find, it is
> truly painful to do it the manual way after getting used to automagic
> tuning. As we move above 70 cms, full tuning truly becomes necessary.
>
> Alan
> WA4SCA
>

excerpt:
> Tim,
>
> Speak for yourself :-) In the 20+ years I have been a satellite
> operator, I have never gotten computer doppler control to work right on the
> linear birds. It works great on FM, but I always wind up fighting it on the
> linear birds. As soon as I tune the other guy in the computer moves me off
> frequency. It's so much easier to just listen and adjust on the fly.
>
>
> 73,
> Joe kk0sd

excerpt:
> And since we're on the topic ... has anyone else noticed that the latest
> edition of "The ARRL Satellite Handbook" uses VO-52 as the example for
> Doppler tuning - and that it suggests that newcomers who are manually tuning
> for Doppler park their transmit frequency on the UHF uplink and tune the VHF
> downlink (i.e., the exact opposite of the One True Rule)? That is really
> mystifying and disappointing.
>
>
> 73 to all,
>
> Tim - N3TL
>

The one "true rule" is fine when your "Highest" frequency is your downlink frequency "The frequency you adjust at your transceiver"
and the ARRL satellite handbook is giving the correct way with AO-52 i will try to explain it below for the linear satellite.

Those who are fully auto doppler controlled always correct their uplink and downlink frequency to be at the same spot on the satellite to
maintain the same audio pitch. Under normal standard work we should all adjust the audio for "normal voice" but some prefer high pitch
voice and some low pitch voice. Auto doppler correction can be set to maintain your audio pitch preference but if the other station adjust
his station for a low pitch it can be annoying for some operator who prefer high pitch voice (Ore vice versa) but it can be corrected just
in cheating your RX base frequency a bit.

The main issue:

If you enter in a QSO with a fully doppler corrected station and you follow the "One true rule" it is fine but not if this highest
frequency is your TX frequency. When you adjust your uplink (TX) frequency you will change the normal frequency the receiving station PC
doppler tracking program is expecting. Those with full auto doppler correction should disable their RX auto correction and they will have
to manually adjust their downlink frequency when an another station is not auto correcting or manually correcting his uplink frequency.

The biggest impact when you don't adjust or that you manually adjust your uplink frequency is that you can drift over another QSO. The ARRL
Handbook is correct when they give the VO-52 example but they should give the explanation and this explanation is not easy to understand
for a new satellite user.

In an ideal satellite world all the users should use auto doppler correction. In a less than ideal satellite world all the user should use
uplink auto doppler correction and in the actual real time satellitte world be prepared for the worse... and be flexible...

There is also another chapter on the auto doppler correction when you will try to answer a CQ call but depending of your type of
transceiver and type of doppler correctrion software you will have to experience your own ways just take my station as an example.

My FT-847 in CAT mode does not send any data back to the PC (First version of the FT-847) the transceiver can only received data from the
PC and if i want to answer a CQ call i have to reenter the new uplink and downlink frequency of the calling station and try to tweaked them
during the QSO it is a lot of work on a 10 minutes pass...

There is a lot a flavour in the doppler correction world but IMHO the uplink frequency should always be auto corrected and if it is not
auto corrected the TX frequency should never be adjusted only if you drift on another QSO or if someone else is drifting on you. There no
perfect solution aside of the full auto doppler correction.

I'm using full auto doppler correction when transponder activity is low as i always ended up stepping over a lot of station and be stepped
on when there is a lot of traffic on a transponder. The worse case i saw was on AO-40 one fellow who was in full doppler correction ask the

other station to move away as he move over the other QSO'S telling he's having priority over the manual corrected stations...

A suggestion is it possible to have a section on a transponder devoted only for those who are using auto tracking in voice mode? lets say
the upper end section?

There is nothing perfect only imperfect solutions.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3464. Organization Update- AMSAT India

Yahoo group: eu-amsat
Date: 2010-06-01 07:54:09 UTC
From: Nitin Muttin [VU3TYG]
Topic: 3464 Message: 3464

May 31st 2010

Organization update for post of President and Vice President.

An emergency committe meeting was held on May 26th 2010 at the residence of VU2RMS, Ramesh as we had recieved request from the current President Air commodore Suby, VU2UV to relieve him from the post of the president citing health reasons. This was accepted by the committe and was proposed and accepted by the committe that VU2RMS, Ramesh take up the role of the president and lead the organization towards the vision and mission of AMSAT India.

It was also proposed by VU2POP, POP to request VU2VP, Dr. Ved Prakash Sandlas to take up the role of Vice President which was accepted by the committe and also by Dr Ved Prakash Sandlas when contacted by phone. VU2VP is an active Radio Ham and associated with the Indian Amateur Radio satellite programme from 1980's and an AMSAT India member.Detailed bio data and his achievements and contributions can be found at http://www.freewebs.com/vpsandlas/

Please join me in welcoming VU2RMS, Ramesh as the President and VU2VP, Dr.Ved Prakash Sandlas as the Vice president of AMSAT India and we would like to thank VU2UV, Air commodore Suby for his guidance and focus on the activities during his tenure, he will continue to be a member of the core committe.

Regards

Nitin [VU3TYG]
Secretary, AMSAT India
www.amsatindia.org
vu3tyg@...

3465. RE: [eu-amsat] Re: [amsat-bb] Re: Doppler Tuning Convention Question

Yahoo group: eu-amsat
Date: 2010-06-01 08:13:23 UTC
From: John Hackett
Topic: 3463 Message: 3465

Group,
Adding to Luc's post ...

Personally, I use manual doppler tuning on my 22 year old FT-290 and have never had any problem any any satellite from RS-10 and FO-29 to HO-68 ... (Modes B & J).

Some of the older equipment doesn't have a CAT interface.

I *HAVE* used full dopper correction with InstantTRACK and InstantTUNE but tend to fall asleep when operating because it becomes 'BORING'.

For me, sending CW while tuning and tracking manually is the 'fun' of satellite operating ... which is another reason I personally can't abide FM rubber stamp QSO's - you might as well use MSN or YAHOO while reading a book and eating an apple..

73 John. <la2qaa@amsat.org>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Tue, 1 Jun 2010 03:32:22 -0400
Subject: [eu-amsat] Re: [amsat-bb] Re: Doppler Tuning Convention Question

This thread is cyclic but it is ok to be revisited time to time.

excerpt:

> My suggestion is to use full tuning until you find that the other operator

> isn't. Then adapt, usually by turning off the updating for the lower

> frequency. It isn't worth getting doctrinaire about it. However, by using

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> movement of other operators in this direction. As you will find, it is

> truly painful to do it the manual way after getting used to automagic

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> Tim,

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> operator, I have never gotten computer doppler control to work right on the

> linear birds. It works great on FM, but I always wind up fighting it on the

> linear birds. As soon as I tune the other guy in the computer moves me off

> frequency. It's so much easier to just listen and adjust on the fly.

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>

> 73,

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excerpt:

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> edition of "The ARRL Satellite Handbook" uses VO-52 as the example for

> Doppler tuning - and that it suggests that newcomers who are manually tuning

> for Doppler park their transmit frequency on the UHF uplink and tune the VHF

> downlink (i.e., the exact opposite of the One True Rule)? That is really

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his station for a low pitch it can be annoying for some operator who prefer high pitch voice (Ore vice versa) but it can be corrected just

in cheating your RX base frequency a bit.

The main issue:

If you enter in a QSO with a fully doppler corrected station and you follow the "One true rule" it is fine but not if this highest

frequency is your TX frequency. When you adjust your uplink (TX) frequency you will change the normal frequency the receiving station PC

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to manually adjust their downlink frequency when an another station is not auto correcting or manually correcting his uplink frequency.

The biggest impact when you don't adjust or that you manually adjust your uplink frequency is that you can drift over another QSO. The ARRL

Handbook is correct when they give the VO-52 example but they should give the explanation and this explanation is not easy to understand

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There is nothing perfect only imperfect solutions.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3466. Observations From Norway. 010620101730Z.

Yahoo group: eu-amsat
Date: 2010-06-01 17:17:33 UTC
From: John Hackett
Topic: 3466 Message: 3466
Attachments: 3 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 010620101730Z.

A SATELLITE PREAMP.

Sometimes, a preamp can be useful - though if you have an effective aerial for LEO satellites and a half-decent receiver, you don't really need one.

For *REALLY* weak signals like EME they may be a "necessary" part of the station but for LEO satellite operating ... unless your aerial is about as effective as a rusty six inch nail with a 50 ohm resistor loading it ... you don't "NEED" a preamp.

However ... for those that are convinced they *DO* need one - but balk at the price of an ultra low noise gaAsFET ... which you only need above 2Ghz ... here's a design just for you!.

It uses a common or garden variety UHF transistor, the veritable BFR91. This transistor is *NOT* of the ant excrement variety but has legs even a novice can sizzle without frying the junction. This transistor is good up to the gigahertz range - or, as GM1SXX is wont to say ... gigahercles.

As we all know - or should! know, a preamp is most effective 'sitting' right behind the aerial (so as not to amplify excessive cable losses). To that end, this one is built into an aluminium lunchbox - to keep the rain and insects out.

NB.

Insects are the only things with antennae ... not! radio amateurs ... unless they're Martians.

The input is a tuned circuit with a prallel tuned air variable capacitor to allow for tuning for minimum noise.

* Be aware that minimun noise and maximum gain very rarely occur at the same point.

The output is *NOT* tuned ... to aid stability.

The DC portion is isolated from the RF portion and is bypassed with feedthrough capacitors.

An RF choke is provided for feeding DC up the coax for relay switched preamps - but in this one - which used for FO-29 only, there are no relays so the preamp is attached to the 70cm receiver permanently ... however, a 3 pole two way switch allows for switching the preamp off and allowing the RF to pass from the aerial to the receiver without amplification.

I do this because I find it interesting to see how often a preamp is *not* needed. Just like power ... (or lack of) ... it's of great interest to me to see how much *LESS* power is required as the satellite approached TCA - (time of closest approach).

Most satellite operators don't even bother to reduce power as the satellite approaches. At TCA, a 3Db reduction of power isn't even noticable ... THINK ABOUT IT.

It's a complete fallacy to think you need large aerials and a lot of power to work LEO's. You don't !!! ... however, good operating practice and a little bit of skill often make the difference between success or failure.

Try some QRP, you might find the challenge absorbing. You *KNOW* it makes sense.

73 John. <la2qaa@...>

This preamp first appeared in 'The Beginner's Guide To Amateur Radio satellites' by LA2QAA & GM1SXX

3467. hamlog.eu

Yahoo group: eu-amsat
Date: 2010-06-02 06:54:28 UTC
From: LA2MOA
Topic: 3467 Message: 3467

Haven't checked if anyone else has mentioned this excellent service before, but anyway...

hamlog.eu is a very good online log service provided by a hungarian ham. You can easily upload your logs (in ADIF format) to create your own online log. A benefit for everyone, easy to check if "that" QSO was good or not, hi!

So, have a visit on www.hamlog.eu, check it out and upload your logs. I'm currently doing that (it's not complete and up to date), but if you like you can check my log on:

www.hamlog.eu/la2moa

Cheers,

Hans / LA2MOA
JP50hw

3468. Re: hamlog.eu

Yahoo group: eu-amsat
Date: 2010-06-02 07:53:59 UTC
From: yo9gjx
Topic: 3467 Message: 3468

Hello Hans
Thank you for the tip, iforgot to update. You are allready in my log
Check online
http://www.hamlog.eu/index.php?pg=11&m=list&usc=300

73

3469. Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 07:54:52 UTC
From: John Hackett
Topic: 3469 Message: 3469

In the event that anyone at Camsat sees this mail ...

It would have been nice with a SITREP - (situation report) - about the weekly schedule for HO-68.

here are a *LOT* of people 'wondering' ...

I summise it has something to do with the President of China visiting the ground station and
Alan Kung being in the entourage ... but still, a SITREP would have been nice.

On behalf of the myriad of satellite operators in Europe I would apprecate some word on the current status of HO-68 ... at your convenience.

Thank you.

73 John. <la2qaa@...>

3470. Re: [eu-amsat] Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 10:06:02 UTC
From: Thomas Frey
Topic: 3469 Message: 3470

John Hackett schrieb:
>
>
> In the event that anyone at Camsat sees this mail ...
>
> It would have been nice with a SITREP - (situation report) - about the
> weekly schedule for HO-68.
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> here are a *LOT* of people 'wondering' ...
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> the current status of HO-68 ... at your convenience.
>
> Thank you.
>
> 73 John. <la2qaa@...>
>

Hello John and Group

HO-68 has a CW beacon on 435.790 MHz which morses always the status
of HO-68. If you want to know in which operating modus the sat is,
you can "hear" it:

```
Call ID ID Ch1 Ch2
-------------------
BJ1SA XW XW AAA TTT -> Only beacon
BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
BJ1SA XW XW TTT ATT -> beacon + Software Upload
```

Mike, DK3WN, has written a decoder program to see the status. After
you have "seen" or heard the beacon, you can switch to the linear-
transponder or FM-repeater if one of them are activated. Why do you
need a schedule on the internet ? This may be an auxiliary aid.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3471. RE: [eu-amsat] Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 10:31:34 UTC
From: John Hackett
Topic: 3469 Message: 3471

Hello Thomas,
Yes, we know that ... but to answer your question ... "because not everybody has time to sit monitoring every pass of HO-68's beacon".

To the best of my knowledge - the beacon, not Mike's excellent decoder doesn't tell us when the transponder is switched on ... (does it ??) ... which is why I said that a 'scheule' SITREP would be nice.

73 John. <la2qaa2amsat.org>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Wed, 2 Jun 2010 12:06:02 +0200
Subject: Re: [eu-amsat] Hoa Camsat !!!!.

John Hackett schrieb:

>

>

> In the event that anyone at Camsat sees this mail ...

>

> It would have been nice with a SITREP - (situation report) - about the

> weekly schedule for HO-68.

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>

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> the ground station and

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Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3472. Re: [eu-amsat] Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 12:32:41 UTC
From: Thomas Frey
Topic: 3469 Message: 3472

John Hackett schrieb:
>
>
> Hello Thomas,
> Yes, we know that ... but to answer your question
> ... "because not everybody has time to sit monitoring every pass of
> HO-68's beacon".

Hmm... why not ? I monitor every pass during weekends, except those
when I sleep or eat or I'm watching TV.

>
> To the best of my knowledge - the beacon, not Mike's excellent decoder
> doesn't tell us when the transponder is switched on ...

Wrong!! See my example below. Mike's decoder tells it in clear.

> (does it ??) ...

YES !! But in real time of course.

> which is why I said that a 'scheule'
> SITREP would be nice.
>
> 73 John. <la2qaa2amsat.org>

You are right if you need a forecast of the schedule.

>
> ---
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Wed, 2 Jun 2010 12:06:02 +0200
> Subject: Re: [eu-amsat] Hoa Camsat !!!!.
>
> John Hackett schrieb:
> >
> >
> > In the event that anyone at Camsat sees this mail ...
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http://home.datacomm.ch/th.frey/

3473. Re: hamlog.eu

Yahoo group: eu-amsat
Date: 2010-06-02 12:23:54 UTC
From: LA2MOA
Topic: 3467 Message: 3473

FB!

Btw, my online log is now updated until June 2, 08:30 UTC. All sat contacts are QSL:ed via eQSL.cc (which is my preferred QSL-channel. Can't really see the point with paper/cardboard QSL:s anymore. After all, we live in the 21st century, hi!)

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> Hello Hans
> Thank you for the tip, iforgot to update. You are allready in my log
> Check online
> http://www.hamlog.eu/index.php?pg=11&m=list&usc=300
>
> 73
>

3474. RE: [eu-amsat] Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 12:43:02 UTC
From: John Hackett
Topic: 3469 Message: 3474

Hi Thomas,
Well I for one - (and i assume a few others) - *don't* have time to monitor every pass of HO-68. Therefore, a schedule for me is an important aid in knowing when to plan my operating on this particular satellite.

If the transponder - (*NOT* just the beacon) - was switched on on every pass there wouldn't be any problem - and I would agree with you ... but it isn't - so I don't.

73 John. <la2qaa@...>

3475. XW-1 beacon and schedule.

Yahoo group: eu-amsat
Date: 2010-06-02 12:52:42 UTC
From: Al
Topic: 3469 Message: 3475

Hi Group

I think what John is trying to say is that the beacon while helpful in knowing which mode is currently in use, does not give information about when mode changes will occur and which mode is to follow the current one.

It would certainly be more useful if the bird itself could send its own schedule via the beacon TX as was the case with the old UoSATs, with their OBC 'diary'. The bird is already executing the diary anyway, and so the OBC is already carrying all the data needed. Alan BA1DU, if you are listening!

Perhaps if there is to be a 'follow-on' bird after XW-1, such a system could be incorporated. 1200 Bauds AFSK in NBFM mode seems ideal for this (like good old UoSAT2), and is easy to decode. Just a short table of data which would only take seconds to transmit, but would be useful to the satellite users. A five second 1200 bauds burst of plain text on the beacon TX could do it all. Just my 2 pence worth. This *may* not be practical for XW-1, but could be worth consideration for future birds.

73 Al.
GM1SXX

3476. RE: [amsat-bb] Hoa Camsat !!!!.

Yahoo group: eu-amsat
Date: 2010-06-02 14:16:40 UTC
From: John Hackett
Topic: 3476 Message: 3476

RGR John,
I'll have a listen. Still, would have been nice with some info though.

Particularly for somebody as 'bone' idle as myself.

Thanks John.

73 John II. <la2qaa@...>

3477. HO-68 orbit 2231

Yahoo group: eu-amsat
Date: 2010-06-02 16:13:35 UTC
From: John Hackett
Topic: 3477 Message: 3477

Hello John.
I just listened to HO-68 orbit 2231 - (Nova designation).

Beacon ON - Transponder OFF.

I did get a mail from Michael Chen ... he CC'd it to the Amsat-bb so you probably saw it.

As I envisaged, the Camsat chaps have been busy. Alan will post the new schedule shortly.

73 John. <la2qaa@...>

3478. The Beacon.

Yahoo group: eu-amsat
Date: 2010-06-02 17:12:29 UTC
From: John Hackett
Topic: 3478 Message: 3478

For those that may be interested ...

It struck me that perhaps some of the FM and/or non-code operators may be interested in the telemetry and current operating mode of HO-68.

To that end ... for anyone interested, here is a short tutorial on a telemetry frame from HO-68's beacon.

You *DO*check the beacon before operating ?? ... yes ?? ...

(What's a 'beacon' for?) ... KIDDING !!!!.

One telemetry frame consists of the following transmission sequence ...

(Start of telemetry frame)

Callsign = BJ1SA Dah dit dit dit, Dit dah dah dah, Dit dah dah dah dah, Dit dit dit, Dit dah

Identifier = XW Dah dit dit dah, Dit dah dah

Identifier = XW Dah dit dit dah, Dit dah dah

13 x 3 letter channels

For instance ... 1) AAA Dit da, dit da, Dit dah

2) AAA Dit dah, dit dah, dat dah

3) AAA Dit dah, dit dah, dit dah

... and so on until 13).

The second channel is the designator for the transponder - with the following telemetry.

Beacon only ..... = TTT Dah, dah, dah

Beacon plus FM transponder = TTA Dah, Dah, dit dah.

Beacon plus linear transponder = TAT Dah, dit dah, dah

Software upload ..... = ATT Dit dah, dah, dah

Identifier = XW Dah dit dit dah, Dit dah dah

Identifier = XW Dah dit dit dah, Dit dah dah

(End of telemetry frame)

Each of the 3 letter channels defines an equation - which in turn will tell you the temperature, power, and other vital statistics of the satellite.

As can be imagined, a record of this telemetry along the satellite's orbit is *VERY* useful information to the controllers.

Remember !! ... you should *NEVER* have a signal stronger than the beacon.

It's also your propagation reference - as well as giving continual information on the health of the satellite.

Mike, DK4WN has written an excellent little HO-68 telemetry decoder - (among very many others) - go to ...

<http://www.dk3wn.info/satellites.shtml>

... and look under SOFTWARE.

Have fun.

73 John. <la2qaa@...>

3479. Check !!!.

Yahoo group: eu-amsat
Date: 2010-06-02 18:08:36 UTC
From: John Hackett
Topic: 3479 Message: 3479

Thomas,
You're right about one thing ... one needs to check !!!.

I listened to the HO-68 beacon on orbit 2232 and the channel 2 telemetry was 001 (TTA) which equates to - "beacon plus FM transponder".

However !!! ... since I worked IK1FJI and UR5BFX on CW on that pass I think we can safely assume the beacon was wrong and unless I'm very much mistaken, the "Beacon plus linear transponder" has a 010 (TAT) designation.

Therefore ... until we get the schedule ... check !!!.

I'm sure that if I'm being a tit (!) somebody will correct me.

73 John. <la2qaa@...>

3480. HO-68 Weekly schedule.

Yahoo group: eu-amsat
Date: 2010-06-02 18:33:45 UTC
From: John Hackett
Topic: 3480 Message: 3480

```
All times UTC:

30 May 2010
================================
16:45...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:30...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:15...Turn Off

31 May 2010
================================
00:25...Turn On--FM
North Asia,East Asia,South Asia
00:45...Turn Off

02:12...Turn On--FM
North Asia,East Asia,South Asia
02:30...Turn Off

04:05...Turn On--FM
North Asia,East Asia,South Asia
04:20...Turn Off

12:43...Turn On--CW/SSB
North Asia,East Asia,South Asia
12:58...Turn Off

18:10...Turn On--CW/SSB
Africa,Europe,NA
18:55...Turn Off

01 June 2010
================================
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

01:05...Turn On--CW/SSB
South America,NA,North Asia
01:50...Turn Off

01:59...Turn On--CW/SSB
North Asia, East Asia, South Asia
```

02:19...Turn Off

10:15...Turn On--CW/SSB
Oceania,Asia,Europe
11:00...Turn Off

14:06...Turn On--CW/SSB
North Asia, East Asia, South Asia
14:22...Turn Off

16:10...Turn On--CW/SSB
India,Middle East,Europe,NA
16:55...Turn Off

17:55...Turn On--FM
Africa,Europe,NA
18:40...Turn Off

02 June 2010
==========
01:43...Turn On--CW/SSB
North Asia, East Asia, South Asia
02:01...Turn Off

09:40...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
10:25...Turn Off

12:07...Turn On--CW/SSB
North Asia,East Asia,South Asia
12:22...Turn Off

17:25...Turn On--CW/SSB
Africa,Europe,NA
18:10...Turn Off

21:25...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
22:10...Turn Off

03 June 2010
==========
01:32...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:43...Turn Off

04:30...Turn On--CW/SSB
NA,North Asia,Middle East,
Europe,Africa
05:15...Turn Off

09:40...Turn On--CW/SSB
Oceania,Asia,Europe,NA

10:25...Turn Off

13:40...Turn On--CW/SSB
North Asia,East Asia,South Asia
13:56...Turn Off

17:25...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
18:10...Turn Off

18:50...Turn On--CW/SSB
Africa,Europe,NA
19:35...Turn Off

04 June 2010
==========
23:15...Turn On--CW/SSB
South America,NA,North Asia
00:00...Turn Off

02:52...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:06...Turn Off

13:17...Turn On--CW/SSB
North Asia,East Asia,South Asia
13:33...Turn Off

13:50...Turn On--CW/SSB
Europe,NA,South America
14:35...Turn Off

17:05...Turn On--CW/SSB
India,Africa,Europe,NA
17:50...Turn Off

22:55...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
23:40...Turn Off

05 June 2010
==========
00:25...Turn On--CW/SSB
South America,NA,North Asia
01:10...Turn Off

02:39...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:57...Turn Off

13:07...Turn On--CW/SSB
North Asia,East Asia,South Asia

13:22...Turn Off

13:35...Turn On--CW/SSB
Europe,NA,South America
14:20...Turn Off

16:50...Turn On--CW/SSB
Africa,Europe,NA
17:35...Turn Off

06 June 2010
==========
00:05...Turn On--CW/SSB
South America,NA,North Asia
00:50...Turn Off

02:22...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:39...Turn Off

05:55...Turn On--CW/SSB
North Asia,Europe,Africa
06:40...Turn Off

12:47...Turn On--CW/SSB
North Asia,East Asia,South Asia
13:03...Turn Off

73
Alan Kung, BA1DU
HO-68(XW-1) Project Manager
www.camsat.cn

3481. AW: [eu-amsat] Check !!!.

Yahoo group: eu-amsat
Date: 2010-06-02 21:08:59 UTC
From: Mike Rupprecht
Topic: 3479 Message: 3481
Attachments: 2 described; binary payloads are missing from this source WARC

John,

which version of the decoder software do you use?

The software you can download from the CAMSAT website is pretty old. There was a mistake shortly after launch.

You can find always the newest versions of my software on my website www.dk3wn.info/software.shtml

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Mittwoch, 2. Juni 2010 20:09
An: eu-amsat@yahoogroups.com
Cc: allan_gm1sxx@...
Betreff: [eu-amsat] Check !!!.

Thomas,
You're right about one thing ... one needs to check !!!.

I listened to the HO-68 beacon on orbit 2232 and the channel 2 telemetry was 001 (TTA)
which equates to - "beacon plus FM transponder".

However !!! ... since I worked IK1FJI and UR5BFX on CW on that pass I think we can
safely assume the beacon was wrong and unless I'm very much mistaken, the "Beacon plus linear transponder" has a 010 (TAT) designation.

Therefore ... until we get the schedule ... check !!!.

I'm sure that if I'm being a tit (!) somebody will correct me.

73 John. <la2qaa@...>

3482. Re: [eu-amsat] Check !!!.

Yahoo group: eu-amsat
Date: 2010-06-02 22:45:43 UTC
From: Thomas Frey
Topic: 3479 Message: 3482

John Hackett schrieb:
>
>
> Thomas,
> You're right about one thing ... one needs to check !!!.
>
> I listened to the HO-68 beacon on orbit 2232 and the channel 2
> telemetry was 001 (TTA)
> which equates to - "beacon plus FM transponder".
>

Sorry John, "TTA" equates to "beacon plus linear transponder",
"beacon plus FM repeater" equates to "TAT".

> However !!! ... since I worked IK1FJI and UR5BFX on CW on that pass I
> think we can
> safely assume the beacon was wrong and unless I'm very much mistaken,
> the "Beacon plus linear transponder" has a 010 (TAT) designation.

You have permutes it. You also can download correlatively documents here:
http://www.camsat.cn/index.php?option=com_phocadownload&view=category&id=1%3Axw-1&Itemid=77&lang=en
So the beacon you heard was correct.

>
> Therefore ... until we get the schedule ... check !!!.
>
> I'm sure that if I'm being a tit (!) somebody will correct me.
>
> 73 John. <la2qaa@...>
>

Al had good ideas in his previous mail. Packet Radio is on board of
HO-68 so it may be possible to send a weekly bulletin with schedule
in Packet Radio. Just a thought.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3483. RE: AW: [eu-amsat] Check !!!.

Yahoo group: eu-amsat
Date: 2010-06-03 08:21:20 UTC
From: John Hackett
Topic: 3479 Message: 3483

Hi Mike,
Yes, there's a great possibility I *WAS* being a tit because I 'was' using the original Camsat PDF file to check the beacon channel 2 equasion - (copied by ear).

I wasn't aware there was an error in it.

I'll practice what I preach !!! ... and check.

Cheers Mike.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: mail@mike-rupprecht.de
Date: Wed, 2 Jun 2010 23:08:59 +0200
Subject: AW: [eu-amsat] Check !!!.

John,

which version of the decoder software do you use?

The software you can download from the CAMSAT website is pretty old. There was a mistake shortly after launch.

You can find always the newest versions of my software on my website www.dk3wn.info/software.shtml

73, Mike

DK3WN

Von:
eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett

Gesendet: Mittwoch, 2. Juni 2010 20:09

An: eu-amsat@yahoogroups.com

Cc: allan_gm1sxx@...

Betreff: [eu-amsat] Check !!!.

Thomas,

You're right
about one thing ... one needs to check !!!.

I listened to the HO-68 beacon on orbit 2232 and the channel 2 telemetry was 001 (TTA)

which equates to - "beacon plus FM transponder".

However !!! ... since I worked IK1FJI and UR5BFX on CW on that pass I think we can

safely assume the beacon was wrong and unless I'm very much mistaken, the "Beacon plus linear transponder" has a 010 (TAT) designation.

Therefore ... until we get the schedule ... check !!!.

I'm sure that if I'm being a tit (!) somebody will correct me.

73 John. <la2qaa@amsat.org>

3484. La2qaa *IS* a tit.

Yahoo group: eu-amsat
Date: 2010-06-03 08:31:43 UTC
From: John Hackett
Topic: 3479 Message: 3484

Yes! Thomas,
I definately was !!! being a tit ... it must be the senility creeping in.

My apologies for giving out incorrect information. I stand corrected.

Good job somebody! here has half a brain. Thanks for the correction Thomas.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 3 Jun 2010 00:45:43 +0200
Subject: Re: [eu-amsat] Check !!!.

John Hackett schrieb:

>

>

> Thomas,

> You're right about one thing ... one needs to check !!!.

>

> I listened to the HO-68 beacon on orbit 2232 and the channel 2

> telemetry was 001 (TTA)

> which equates to - "beacon plus FM transponder".

>

Sorry John, "TTA" equates to "beacon plus linear transponder",

"beacon plus FM repeater" equates to "TAT".

> However !!! ... since I worked IK1FJI and UR5BFX on CW on that pass I

> think we can

> safely assume the beacon was wrong and unless I'm very much mistaken,

> the "Beacon plus linear transponder" has a 010 (TAT) designation.

You have permutes it. You also can download correlatively documents here:

http://www.camsat.cn/index.php?option=com_phocadownload&view=category&id=1%3Axw-1&Itemid=77&lang=en

So the beacon you heard was correct.

>

> Therefore ... until we get the schedule ... check !!!.

>

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>

> 73 John. <la2qaa@...>

>

Al had good ideas in his previous mail. Packet Radio is on board of

HO-68 so it may be possible to send a weekly bulletin with schedule

in Packet Radio. Just a thought.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3485. LA2MOA HB9XJ

Yahoo group: eu-amsat
Date: 2010-06-03 13:28:43 UTC
From: LA2MOA
Topic: 3485 Message: 3485

Hello group!

This morning I had a fine QSO with HB9XJ Hans via AO51. About an hour later I received a very nice e-mail from US1GBF Pavel, who had made a nice recording of my QSO with HB9XJ. I've uploaded the soundfile to this site, where it's to be found in the files/Satellite Zoo catalogue (filename: AO51_03062010.WAV), for anyone's amuse (abuse?), hi.

Really nice to hear one's own voice and how it sounds in The Ukraine!

73!

Hans / LA2MOA
JP50hw

3486. Re: [eu-amsat] LA2MOA HB9XJ

Yahoo group: eu-amsat
Date: 2010-06-03 14:19:53 UTC
From: Thomas Frey
Topic: 3485 Message: 3486

LA2MOA schrieb:
> Hello group!
>
> This morning I had a fine QSO with HB9XJ Hans via AO51. About an hour later I received a very nice e-mail from US1GBF Pavel, who had made a nice recording of my QSO with HB9XJ. I've uploaded the soundfile to this site, where it's to be found in the files/Satellite Zoo catalogue (filename: AO51_03062010.WAV), for anyone's amuse (abuse?), hi.
>
> Really nice to hear one's own voice and how it sounds in The Ukraine!
>
> 73!
>
> Hans / LA2MOA
> JP50hw
>

Hello Hans and Group

Hans, HB9XJ, was my mentor for the satellite operations. In the late 1980s/1990s we were a fine little satellite-op group here in HB9. This was in the glory AO-10/AO-13 days. :-)

Hans is mostly QRV on SW today, tell greetings to him.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3487. Diversity.

Yahoo group: eu-amsat
Date: 2010-06-03 15:55:04 UTC
From: John Hackett
Topic: 3487 Message: 3487

Folks,
It's good we have diversity in the group.

Personally, I find FM satellites about as interesting as watching paint dry and would suggest
that they're misnamed as 'EASYSATS' ... simply because they're almost always overpopulated by alligators - (all mouth & no ears) - using far too much power, thereby not allowing the potential newcomers easy enough access.

This applies particularly in Europe.

The general standard of operating is far higher in America though they too have a few operators that tend to 'hog' it with their electronic stamp collecting.

As has been said so many times before, a single channel mode with capture effect is hardly the most sensible mode for an amateur radio satellite. For the newcomer I would recommend either the lower or higher end of the HO-68 passband using SSB - where the operating is more relaxed and there's room for everybody without having to play the *POWER* card.

Remember, high power *IS* detremental to the satellite - as well as it being anti-social behavour in satellite operating - i(f you don't know why, please read up on power budget management).

However, the above my personal opinion and as as I mentioned earlier, diversity in the group is a good thing ... coupled with good manners and common sense.

73 John. <la2qaa@...>

3488. Rotators control

Yahoo group: eu-amsat
Date: 2010-06-03 17:17:34 UTC
From: Codrut
Topic: 3488 Message: 3488

PstRotator - a program for antenna rotators control - just updated.
More rotators and more loggers are supported.

www.qsl.net/yo3dmu/index_Page346.htm

PstRotator handles almost every controllable rotator in common use: Prosistel "D" and "C", Easy-Rotor-Control, RT-21 and RT-20 from Green Heron, DCU-1 HyGain, RC1 MDS, Rotor-EZ Idiom Press, Yaesu Az and Yaesu Az/El GS-232A and GS-232B, M2 RC2800, AlfaSpid RAK Az and RAS Az/El, Easycomm, ST3 Fox Delta, Endeavour Electronics AutoTracker, ZL1BPU, EGIS, Create RAC825, VK5DJ, EA4TX, DL7AOT, LVB Tracker, PrimeSat, SARtek, SAT688, CX6DD, WinRotor FUNKBOX, SAEBRTrack, HD-1780 Heathkit.

PstRotator provides automatic tracking for satelites and EME, using for this WXtrack, WinOrbit, Orbitron, Nova for Windows, Sat_Explorer, SatPC32, WSJT, Z-Track, GJTracker, EME System, Trak_SM, or HRD Satellite Tracker.
For the moon tracking an internal algorithm can be used.

A lot of loggers are supported: VQLog, Win-Test, N1MM, MixW, TACLog, DXView, HamRadio Deluxe v5 (HRD Logbook), LOG-X, Logger32, Winlog32, Loki5ace, Logic8, HamScope, AC Log, nGenLog, Wlog2000, XMLog, MicroLog, GenLog, RCKLog, Swisslog, KST2Me, VHF LOG, KLog, EasyLog.

PstRotator supports multi-user remote control over TCP/IP.

73, Codrut - YO3DMU

3489. Re: Diversity.

Yahoo group: eu-amsat
Date: 2010-06-04 12:14:16 UTC
From: LA2MOA
Topic: 3487 Message: 3489

John,

I can somewhat agree with you - considering the fact that the LEO's has more or less been overtaken by high power operators with quite big mouths and quite small ears. However, as I understand it, the intention of the LEO's was not that they should be operated at these power levels. The intention was to offer the possibility to work via satellites with handheld transceivers and simple antennas. I don't consider the FM LEO's to be "easysats", in fact I think it's sometimes easier to work, and be heard, on the linear sats. Working AO-51 or even worse, SO-50, during a weekend with a hendheld transceiver into a turnstile is just as "easy" as breaking the K5D pileup on 20 meters with 5 Watts into a groundplane antenna.

I've been QRV on sats before, and worked about 40-50 QSO's on VO-52 with low power. I consider myself a CW-man. I just can't wait until my antennas for the linear up/downlinks on these sats are finished, and then I will have a ball. Anyhow, right now I'm stucked on the FM LEO's and I have to bare with the ZOO for a couple of more weeks. Sometimes it's a lot of fun to work these sats, and sometimes it gets very frustrating - just like amateur radio in general. It takes all kinds, even aligators...

However, the FM LEO's offers a good entry level for newcomers and I think that a patronising attitude against these sats and/or the operators maybe will scare away the beginners. Were all amateur brothers and sisters, and it doesn't matter if we're working on the linear sats or the flying repeaters.

Cheers,

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Folks,
> It's good we have diversity in the group.
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> Personally, I find FM satellites about as interesting as watching paint dry and would suggest
> that they're misnamed as 'EASYSATS' ... simply because they're almost always overpopulated
> by alligators - (all mouth & no ears) - using far too much power, thereby not allowing the potential newcomers easy enough access.
>
> This applies particularly in Europe.
>
> The general standard of operating is far higher in America though they too have a few
> operators that tend to 'hog' it with their electronic stamp collecting.

>
> As has been said so many times before, a single channel mode with capture effect is hardly
> the most sensible mode for an amateur radio satellite. For the newcomer I would recommend
> either the lower or higher end of the HO-68 passband using SSB - where the operating is more relaxed and there's room for everybody without having to play the *POWER* card.
>
> Remember, high power *IS* detremental to the satellite - as well as it being anti-social
> behavour in satellite operating - i(f you don't know why, please read up on power budget management).
>
> However, the above my personal opinion and as as I mentioned earlier, diversity in the
> group is a good thing ... coupled with good manners and common sense.
>
> 73 John. <la2qaa@...>
>

3490. RE: [eu-amsat] Re: Diversity.

Yahoo group: eu-amsat
Date: 2010-06-04 17:56:31 UTC
From: John Hackett
Topic: 3487 Message: 3490

Hello Hans,
Well, I did say diversity is good ... (twice).

Well, I wouldn't say LEO's were designed for FM 'or' newcomers.

None of the RS series of satellites had FM on the 'AMATEUR* parts of the space vehicles. (RS series usually rode Piggyback on commercial COSMOS vehicles). They were dedicated linear transponders.

FM 'appeared' on LEO's with the Pacsats, UO-11, Dove, FO-12, AO-27 and UO-14 - none of which was aimed primarily at newcomers. The Pacsats were *NOT* single channel satellites.

When the launch market became constrained due to commerce - the 'Cubesat' philosophy was born and Amsat-NA together with Amsat-UK (against many of it's members) decided to persue this way forward in the guise of 'education'.

It's all about money Hans, money, money money and COTS components.

It's fine with P3D etc ... the 'trick' will be getting it aloft without tying a *LOT* of knicker elastic together to make a giant trebushay.

I think that teaching the newcomer operating proceedure on a single channel mode like FM is akin to shooting him/her in the foot - but that's Amsat-NA's policy ... and for the forseeable future, it looks like they're sticking to it.

Amsat-UK on the other hand appear to have realised that they lost too many members when they sent so much money to support AO-51 - against the members wishes.

(There was a referendum)

Possibly (!) why they're now concentrating on FunSAT, a linear satellte, but, to the best of my knowledge , with no launch opportunity secured. Ditto the ZL project.

More and more countries are jumping on the 'Space Agency' bandwaggon (read: money) but not many are showing interest in amateur radio ... except of course for their universities
to grab a couple of free bits of the RF spectrum which most government agencies are *SELLING* off for a *LOT* of money.

It will be interesting to see just how many 'space engineers' these education projects produce. Most students use the projects to get their degree then forget! it. They're not interested in radio.

Me? ... sceptic? ... GERROFF !!!!.

73 John.

73 John.

I think most people can see the result.

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Fri, 4 Jun 2010 12:14:16 +0000
Subject: [eu-amsat] Re: Diversity.

John,

I can somewhat agree with you - considering the fact that the LEO's has more or less been overtaken by high power operators with quite big mouths and quite small ears. However, as I understand it, the intention of the LEO's was not that they should be operated at these power levels. The intention was to offer the possibility to work via satellites with handheld transceivers and simple antennas. I don't consider the FM LEO's to be "easysats", in fact I think it's sometimes easier to work, and be heard, on the linear sats. Working AO-51 or even worse, SO-50, during a weekend with a hendheld transceiver into a turnstile is just as "easy" as breaking the K5D pileup on 20 meters with 5 Watts into a groundplane antenna.

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Cheers,

Hans / LA2MOA

JP50hw

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> Folks,

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>

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> that they're misnamed as 'EASYSATS' ... simply because they're almost always overpopulated

> by alligators - (all mouth & no ears) - using far too much power, thereby not allowing the potential newcomers easy enough access.

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> This applies particularly in Europe.

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> The general standard of operating is far higher in America though they too have a few

> operators that tend to 'hog' it with their electronic stamp collecting.

>

> As has been said so many times before, a single channel mode with capture effect is hardly

> the most sensible mode for an amateur radio satellite. For the newcomer I would recommend

> either the lower or higher end of the HO-68 passband using SSB - where the operating is more relaxed and there's room for everybody without having to play the *POWER* card.

>

> Remember, high power *IS* detremental to the satellite - as well as it being anti-social

> behavour in satellite operating - i(f you don't know why, please read up on power budget management).

>

> However, the above my personal opinion and as as I mentioned earlier, diversity in the

> group is a good thing ... coupled with good manners and common sense.

>

> 73 John. <la2qaa@...>

>

3491. Falcon 9 launched

Yahoo group: eu-amsat
Date: 2010-06-04 22:56:49 UTC
From: Thomas Frey
Topic: 3491 Message: 3491

Hello All

Falcon 9 was launched to its inaugural flight, see
http://www.spacex.com/webcast.php . This rocket COULD be a launch
vehicle for P3E.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3492. operating practice - ham code

Yahoo group: eu-amsat
Date: 2010-06-05 02:51:14 UTC
From: yo9gjx
Topic: 3492 Message: 3492

ham conduite code and operating practice in a lot of languages

http://www.on4ww.be/op.html

http://www.dx-code.org/

3493. HO-68 schedule 6-13 June.

Yahoo group: eu-amsat
Date: 2010-06-05 11:44:29 UTC
From: John Hackett
Topic: 3493 Message: 3493

ALL TIMES UTC.

06 June 2010
==========
16:30...Turn On--FM
India, Africa, Middle East,
Europe,NA
17:15...Turn Off

18:20...Turn On--FM
Africa,Europe,Middle East,NA
19:05...Turn Off

22:20...Turn On--FM
NA,North Asia,East Asia,Oceania
23:05...Turn Off

07 June 2010
==========
02:05...Turn On--FM
North Asia,East Asia,South Asia
02:25...Turn Off

03:05...Turn On--FM
South America,NA,North Asia
03:50...Turn Off

12:31...Turn On--FM
North Asia,East Asia,South Asia
12:45...Turn Off

18:05...Turn On--FM
Africa,Europe,NA
18:50...Turn Off

08 June 2010
==========
23:55...Turn On--FM
South America,NA,North Asia
00:40...Turn Off

00:55...Turn On--FM
South America,NA,North Asia
01:40...Turn Off

09:49...Turn On--FM
North Asia, East Asia, South Asia

02:08...Turn Off

10:05...Turn On--FM
Oceania,Asia,Europe
10:50...Turn Off

14:07...Turn On--FM
North Asia, East Asia, South Asia
14:19...Turn Off

16:00...Turn On--FM
India,Middle East,Europe,NA
16:45...Turn Off

17:45...Turn On--FM
Africa,Europe,NA
18:30...Turn Off

09 June 2010
==========
01:36...Turn On--FM
North Asia,East Asia,South Asia
09:52...Turn Off

11:35...Turn On--FM
Oceania,East Asia,North Asia,Europe
12:20...Turn Off

13:40...Turn On--FM
North Asia,East Asia,South Asia
13:55...Turn Off

17:30...Turn On--FM
Africa,Europe,NA
18:15...Turn Off

21:30...Turn On--FM
NA,North Asia,East Asia,Oceania
22:15...Turn Off

10 June 2010
==========
01:16...Turn On--FM
North Asia,East Asia,South Asia
09:33...Turn Off

04:45...Turn On--FM
NA,North Asia,Middle East,
Europe,Africa
05:30...Turn Off

11:15...Turn On--FM
Oceania,Asia,Europe,NA

12:00...Turn Off

13:31...Turn On--FM
North Asia,East Asia,South Asia
13:45...Turn Off

17:15...Turn On--FM
Africa,India,Middle East,Europe,NA
18:00...Turn Off

19:00...Turn On--FM
Africa,Europe,NA
19:45...Turn Off

23:00...Turn On--FM
Oceania,Asia,Europe,NA
23:45...Turn Off

11 June 2010
==========
02:42...Turn On--FM
North Asia,East Asia,South Asia
02:56...Turn Off

13:07...Turn On--FM
North Asia,East Asia,South Asia
13:21...Turn Off

13:35...Turn On--FM
Europe,NA,South America
14:20...Turn Off

16:55...Turn On--FM
India,Africa,Europe,NA
17:40...Turn Off

22:45...Turn On--FM
South America,Africa,NA,
Europe,North Asia,East Asia
23:30...Turn Off

12 June 2010
==========
00:35...Turn On--FM
South America,NA,North Asia
01:20...Turn Off

12:50...Turn On--FM
North Asia,East Asia,South Asia
13:04...Turn Off

13:20...Turn On--FM
Europe,NA,South America

14:05...Turn Off

16:40...Turn On--FM
Africa,Europe,NA
17:25...Turn Off

13 June 2010
==========
00:15...Turn On--FM
South America,NA,North Asia
01:00...Turn Off

02:13...Turn On--FM
North Asia,East Asia,South Asia
02:33...Turn Off

05:45...Turn On--FM
North Asia,Europe,Africa
06:30...Turn Off

12:34...Turn On--FM
North Asia,East Asia,South Asia
12:46...Turn Off

3494. DX News

Yahoo group: eu-amsat
Date: 2010-06-05 16:45:33 UTC
From: John Hackett
Topic: 3494 Message: 3494

Group,
Keeps your eyes and ears open looking 'south'.

73 John. <la2qaa@...>
.....

Hi John,
7Q7HLT is coming up on AO-51 from a new grid further north (KH78) in Malawi this

afternoon and I have just received an email from VQ9JC (MI62) that he will be on AO-7 on a

short pass at exactly the same time. Luckily I already worked Jim at VQ9JC last year so I will

make sure I have the new grid in the log before I look for him.

ZR6DEA has been on from Nigeria this past week and will also be going to Ethiopia in the

coming week. We have been working with Sid, ET3SID up there who is quite keen to get set up

for satellites but hasn't had much luck hearing anything to date. Hopefully Dean will be able to

help Sid find where the problem is and get him going on the satellites soon.

73 - Hal ZS6WB

3495. African DX.

Yahoo group: eu-amsat
Date: 2010-06-05 17:19:46 UTC
From: John Hackett
Topic: 3495 Message: 3495

For the FM afficiondos,

Please note that 'looking south' may bag you a couple of new ones.

For those that wondered about the HO-68 scheduling ... please note Hal's remarks about eclipse. Camsat may ne new but they *DO* know what they're doing.

73 John. <la2qaa@...>

.....

Hi John

I was just looking a bit more at the HO-68 schedule and I see why those turn-on times were chosen. On both passes it is as the satellite comes out of eclipse.

It has been a super day for DX today. We worked 7Q7HLT on AO-51 in the new grid in Malawi and suddenly ET3SID popped up and we worked him for a new one.

VQ9JC was also in there on AO-7 and several of the guys worked him.

John, ZS6XK is now at the mid-point of his two month tour of Southern Africa and his trip has been eagerly followed by fellow radio amateurs with contacts through the amateur satellites. Since his first satellite operation on 27 April from rare KG63 while still in South Africa, John has gone on to operate from another seven grid squares. Four of these were as C91HLT from Mozambique and a further three as 7Q7HLT in Malawi. The Malawi numbers might still increase before John moves into Zambia in the coming week on the next leg of his trip.

Up to this point John has logged a total of about 100 satellite QSOs from the eight different grid squares using only the SO-50 and AO-51 satellites and among the contacts were stations in all six South African call areas plus Mozambique and Reunion Island. One of the more noteworthy contacts was with ZS10WCS, the special station for the 2010 World Cup which will be held here in South Africa during the month of June.

These contacts were made by John from bush locations using only a Yaesu FT-530 dual band handheld and an Arrow handheld dual band Yagi. Signals have been outstanding from all locations and contacts have been completed without any difficulty.

If you haven't contacted John yet as 7Q7HLT from Malawi, you only have a few days left before he moves into Zambia. This is especially true if you are collecting satellite grid squares as many of these areas have never had satellite activity in the past and they probably won't have activity again in the foreseeable future. John will be concentrating on AO-51 as the late afternoon passes are at the most convenient times for both John and the

stations he will be adding to his logbook.

Thanks to John for the fun we have had during the past month and for the interest he has generated in amateur satellites. We're waiting to see what exotic location he will pop up from next.

Hal ZS6WB

3496. DX reports.

Yahoo group: eu-amsat
Date: 2010-06-05 17:44:39 UTC
From: John Hackett
Topic: 3496 Message: 3496

Group,
You may have noticed that I'm receiving regular DX reports for the FM satellites from ZS6WB. Hopefully, posting part of them here will encourage a bit of 'DX' and some 'gentlemanly' operating on that mode too ... as opposed to the 'alligator'' syndrom usually created by DX contacts.

Please !!! listen ... and give priority to the QRP, Portable and Mobile stations.

Several people successfully worked the MM DX earlier this week.

All it takes is a bit of patience and practice. Remember, satellite operating is *PRIMARILY* (but not necessarily) full duplex so there really isn't any excuse for calling on top of another station ... other than poor receiving equipment or bad manners ... the former, being the main culprit.

More and more people are becoming aware of the problem of QRM'ing eachother. Lets bring some pride! back into amateur radio. It's up to each and every one of us ... individually.

73 John. <la2qaa@...>

3497. HO-68 DX news.

Yahoo group: eu-amsat
Date: 2010-06-06 13:37:38 UTC
From: John Hackett
Topic: 3497 Message: 3497

DX News.

I looked at the two HO-68 passes that we are going to miss out on and have sent information to

ET3SID on them He will see both of them and have good coverage on them. The one tonight

looks like it will give good coverage up into your area. He only managed two QSOs and will

probably need a bit more experience before he really get involved in pileups up there but I think

in time everyone in Europe will have a chance at working him both on FM and SSB.

7Q7HLT is expecting to move over to Zambia this week and ZS8M on Marion Island is waiting

for better weather before he can go outside to operate. With a bit of luck we should add a few

more grids to the collection this week.

73 ZS6WB via LA2QAA.

3498. HO-68 mode survey.

Yahoo group: eu-amsat
Date: 2010-06-06 15:31:34 UTC
From: John Hackett
Topic: 3498 Message: 3498

The HO-68 mode survey from May 3. 2010 showed the following results ...

1) SSB/CW
2) PACKET
3) SSTV.

Not one single European station that replied requested FM as the priority mode.

ZS6WB was the 'ONLY' station that requested FM - this was *ONLY* for the
benefit of the new-to-satellite operator of the DXpedition in Africa.

The results will be sent to Camsat.

"As we speak" ... there is still no word as to how the schedule will be organised after
commissioning is complete.

73 John. <la2qaa@...>
73 John.

3499. My first breath on HO-68

Yahoo group: eu-amsat
Date: 2010-06-06 19:01:38 UTC
From: LA2MOA
Topic: 3499 Message: 3499

HO-68 had a very nice pass over the Scandinavian peninsula at around 20:30 local time (18:30 UTC). Despite the ZOO (Thank God SO-50 had a pass over Europe at the same time, otherwise the situation on HO-68 most likely would be even worse), I managed to work a few Q's with my humble station setup.

The very first lucky one to work me on HO-68 was *tarrammm*, hi:

LA4FRA in JP20qi, then
ON5NY (JP10mv), UR4LRH (KN89cx) and SP5XSD (KO03sb) followed. Nice indeed. One sad thin though: At the end of the pass the HO-68 footprint covered Scandinavia, the northern parts of the British isles as well as Iceland, the whole Greenland and a VERY good part of Newfoundland, Nova Scotia and Northern Quebéc. I people *ever* could learn to listen for a few seconds between the calls - there most likely would have been one or to QSO's over the pond as well. But this is of course too much to ask for...

The booms for my X-yagis are drilled and finished. Soon I'll be on HO-68 in linear mode.

I most ceratinly agree with the rest of the EU ops. HO-68 must never carry FM/Repeater as a priority mode. Never. Ever. Listening to the FM LEO's during weekend is nothing but pure pain. Ordinary weekdays is better.

Hans / LA2MOA

3500. My first breath on HO-68

Yahoo group: eu-amsat
Date: 2010-06-06 19:02:19 UTC
From: LA2MOA
Topic: 3499 Message: 3500

HO-68 had a very nice pass over the Scandinavian peninsula at around 20:30 local time (18:30 UTC). Despite the ZOO (Thank God SO-50 had a pass over Europe at the same time, otherwise the situation on HO-68 most likely would be even worse), I managed to work a few Q's with my humble station setup.

The very first lucky one to work me on HO-68 was *tarrammm*, hi:

LA4FRA in JP20qi, then
ON5NY (JP10mv), UR4LRH (KN89cx) and SP5XSD (KO03sb) followed. Nice indeed. One sad thin though: At the end of the pass the HO-68 footprint covered Scandinavia, the northern parts of the British isles as well as Iceland, the whole Greenland and a VERY good part of Newfoundland, Nova Scotia and Northern Quebéc. I people *ever* could learn to listen for a few seconds between the calls - there most likely would have been one or to QSO's over the pond as well. But this is of course too much to ask for...

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I most ceratinly agree with the rest of the EU ops. HO-68 must never carry FM/Repeater as a priority mode. Never. Ever. Listening to the FM LEO's during weekend is nothing but pure pain. Ordinary weekdays is better.

Hans / LA2MOA

3501. My first breath on HO-68

Yahoo group: eu-amsat
Date: 2010-06-06 19:03:16 UTC
From: LA2MOA
Topic: 3499 Message: 3501

HO-68 had a very nice pass over the Scandinavian peninsula at around 20:30 local time (18:30 UTC). Despite the ZOO (Thank God SO-50 had a pass over Europe at the same time, otherwise the situation on HO-68 most likely would be even worse), I managed to work a few Q's with my humble station setup.

The very first lucky one to work me on HO-68 was *tarrammm*, hi:

LA4FRA in JP20qi, then
ON5NY (JP10mv), UR4LRH (KN89cx) and SP5XSD (KO03sb) followed. Nice indeed. One sad thin though: At the end of the pass the HO-68 footprint covered Scandinavia, the northern parts of the British isles as well as Iceland, the whole Greenland and a VERY good part of Newfoundland, Nova Scotia and Northern Quebéc. I people *ever* could learn to listen for a few seconds between the calls - there most likely would have been one or to QSO's over the pond as well. But this is of course too much to ask for...

The booms for my X-yagis are drilled and finished. Soon I'll be on HO-68 in linear mode.

I most ceratinly agree with the rest of the EU ops. HO-68 must never carry FM/Repeater as a priority mode. Never. Ever. Listening to the FM LEO's during weekend is nothing but pure pain. Ordinary weekdays is better.

Hans / LA2MOA

3502. Congratulations !! LA2MOA.

Yahoo group: eu-amsat
Date: 2010-06-06 19:12:05 UTC
From: John Hackett
Topic: 3499 Message: 3502

Congratulations !! to LA2MOA ... who managed to work several stations *WITHOUT* 100w and a 10 element beam and *DESPITE** a lot of people calling CQ while he was in QSO with ON5 ... (I monitored the whole pass).

Well done! Hans ... anyone like to emulate it?.

73 John. <la2qaa@...>

3503. APRS on HO-68.

Yahoo group: eu-amsat
Date: 2010-06-06 19:12:22 UTC
From: John Hackett
Topic: 3503 Message: 3503

Question.

Anybody else using APRS messages on HO-68 ??? ... apart from Dimitry - (UA3AVR).

>Fm UA3AVR To CQ Via BJ1SA <UI pid=F0 Len=53 >[19:21:35]

>=5545.33N/03745.38Ey, de UA3AVR, loc KO85VS {UISS52}

>

>Fm BJ1SA-12 To BBSTAT <UI pid=F0 Len=16 >[19:22:07]

>Open BJ1SA-12:0

>

>Fm BJ1SA-12 To BBSTAT <UI pid=F0 Len=16 >[19:22:43]

>Open BJ1SA-12:0

73 John. <la2qaa@...>

PS.

Calling the FM operating on satellites a zoo s *WRONG* !!! ... and it's an unfair insult to the animals, most of whom show far better behaviour ... caged or not.

I monitored the HO-68 orbit 2285 (according to Nova) and could hardly believe that satellite operating was (essentially) full duplex operating.

What I have trouble understanding is that If stations can actually hear someone already in QSO surely! they must realise that it's rather pointless to call 'CQ satellite' on top of
the stations in QSO ... but this occured over and over again as HO-68 progressed along it's orbit this evening.

Maybe I don''t understand because because I only have two functioning braincells left ... and one of those is on it's last legs.

There were! a couple of exceptions with very good operating proceedure but I won't mention their callsigns - they know who they are - since it's not my intention to either 'hang out' or
give credit to any particular station.

It has convinced me though that Packet is the only viable option for me when HO-68 is in FM mode.

73 John. <la2qaa@amsat.org>

3504. Sorry for multiple posts (and a little one about APRS)

Yahoo group: eu-amsat
Date: 2010-06-06 19:48:54 UTC
From: LA2MOA
Topic: 3504 Message: 3504

My last message was posted no less than three times. Sorry for that. I got messages about terminated connection and timeouts while posting, and it was not until the third try I succeeded in posting. I thought. Obviously the forum accepted all three of the postings...

Regarding John's inquiry about APRS: Nope.

Hans / LA2MOA

3505. Re: [eu-amsat] HO-68 mode survey.

Yahoo group: eu-amsat
Date: 2010-06-06 20:05:06 UTC
From: Thomas Frey
Topic: 3498 Message: 3505

John Hackett schrieb:
>
>
> The HO-68 mode survey from May 3. 2010 showed the following results ...
>
> 1) SSB/CW
> 2) PACKET
> 3) SSTV.
>
> Not one single European station that replied requested FM as the
> priority mode.
>
> ZS6WB was the 'ONLY' station that requested FM - this was *ONLY* for the
> benefit of the new-to-satellite operator of the DXpedition in Africa.
>
> The results will be sent to Camsat.
>
> "As we speak" ... there is still no word as to how the schedule will
> be organised after
> commissioning is complete.
>
> 73 John. <la2qaa@...>
> 73 John.

Hello John

As you knows, Packet and SSTV are "sub modes" of FM voice. There is
always a possibility to cry "oooohla" or whatever between Packet
or SSTV transmissions. How do you handle this without discipline from
many OP's ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3506. (no subject)

Yahoo group: eu-amsat
Date: 2010-06-06 21:08:11 UTC
From: John Hackett
Topic: 3506 Message: 3506

Hello Thomas,
Regarding the 'zoo' operating ...

>How do you handle this without discipline from many OP's ?

Well, I appeal to common sense, good manners and good operating proceedure.

I'm *HOPING* that when HO-68 is in SSTV mode most Hams will refrain from transmitting pregnant cow noises and HOPE they'll understand that QRM ruins a transmitted picture.

As I mentioned previously - 99.9% of Hams *KNOW* you shouldn't transmit on top of somebody else deliberately - but they still do it. I think it's mainly impatience, again, brought
on by poor operating proceedure.

With contest style proceedure (satellite FM) one should operate as if one was in a contest. For instance, there's little point in saying the contact's call 3 times (!) he knows his own call very well !!! - it only needs to be said once - so that we all know to whom a particular station
is referring ... and then it eith QSL - or please repeat your call/locator.

We *DON'T* !!! need to know what colour his socks are nor what he had for breakfast last Tuesday morning.

The *INTERNATIONAL PHONETIC ALPHABET* should be used. 'Willy', 'Sparrow' and 'Luther' only cause confusion and waste time.

A good tip would be to download a couple of AO-51 recording from over the USA. They'll illustrate how it *SHOULD* be done ... with the odd exception due to inexperience.

Teach by example.

Listen and learn.

Be aware, you'll *ALWAYS* get one clown. Ignore them and they *WILL* go away.

'Police' them and they'll acheave what they set out to do ... QRM you.

73 John. <la2qaa@amsat.org>

3507. RE: HO-68 Mode Survey

Yahoo group: eu-amsat
Date: 2010-06-07 15:13:45 UTC
From: John Hackett
Topic: 3507 Message: 3507

Hello Hal,
My intention has never been to promote 'non-FM'. I was referring to the
PRIMARY mode of operation over Europe.

Perhaps I could have expressed myself a little better. Put it down to being a Brit but thinking like a Norwegian ... whether that's an advantage or a disadvantage is debatable. Perhaps my two remaining brain cells are becoming exhausted.

Like Africa, The United States operators seem to prefer FM as the PRIMARY mode on HO-68.

I *HAVE* made Camsat aware of the different continental preferences.

I understand and am aware of the different criteria for Africa and rest assured Hal, I
HAVE
made ALAN kUNG aware of these preferences.

If and how they will affect the schedule in the near future, I can't say.

73 John.

3508. Re: [eu-amsat] APRS on HO-68.

Yahoo group: eu-amsat
Date: 2010-06-07 16:35:14 UTC
From: Thomas Frey
Topic: 3503 Message: 3508

Hello John and Group

John Hackett schrieb:
>
>
>
> Question.
>
> Anybody else using APRS messages on HO-68 ??? ... apart from Dimitry -
> (UA3AVR).
>
> >Fm UA3AVR To CQ Via BJ1SA <UI pid=F0 Len=53 >[19:21:35]
> >=5545.33N/03745.38Ey, de UA3AVR, loc KO85VS {UISS52}
> >

If you define "unproto APRS via BJ2SA" instead "unproto CQ ..." then
every OP who connected his APRS-software to a APRS-server will forward
your location to the internet. This example shows that the digipeater
is switched on ("D:1").

> [snip]
>
> It has convinced me though that Packet is the only viable option for
> me when HO-68 is in
> FM mode.

I fully agree. SSTV only works by full discipline. I suggest to create
timeslots for declared users who transmits their picture.

>
> 73 John. <la2qaa@...>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3509. Comments invited.

Yahoo group: eu-amsat
Date: 2010-06-07 17:20:11 UTC
From: John Hackett
Topic: 3509 Message: 3509

Group,
Here's an excerpt from a mail from ZS6WB.

Comments are invited.

73 John. <la2qaa@...>
.....

SNIP ...

..... whatever they
decide on, HO-68 is still a great satellite.

Perhaps you
could appeal to the FM crowd not to call a station on HO-68 unless he is

3500 km or more away. In other words, if you can work a station on AO-51
he
should be off-limits on HO-68. Maybe you could start a listing on the
HO-68
blog of the longest distance contacts made on FM and SSB/CW. Perhaps
this
motivate the FM operators to do a bit of self policing and operating
techniques
and manners might improve as a result. It might be grasping at straws
but
there must be a solution.

73
- Hal ZS6WB

3510. HO-68 DX list.

Yahoo group: eu-amsat
Date: 2010-06-07 17:26:26 UTC
From: John Hackett
Topic: 3510 Message: 3510

Group,
Your 'DX' distances are required for the HO-68 blog ... (state Locator, mode and distance).

Please submit to <la2qaa@...> or <gm1sxx@...>

Thank you.

73 John. <la2qaa@...>

3511. RE: [eu-amsat] APRS on HO-68.

Yahoo group: eu-amsat
Date: 2010-06-07 17:38:48 UTC
From: John Hackett
Topic: 3503 Message: 3511

Good suggestion Thomas,
I know Mike DK4WN is interested in satellite SSTV too.

As you'll have noticed, we're trying to find subtle ways to utilise the satellite effectively.

Obviously!, we're not going to please everybody! all the time but hopefully 'everybody' *WILL* realise that we're doing the best we can.

While Europe and Japan voted for a primary mode of CW/SSB for HO-68 it should be remembered that Africa, (probably) South America, Australia, The United States, India and the Middle East prefer FM.

Sometimes due to the equipment available, sometimes due to ease of operating while mobile and portable.

Also, as I mentioned previously, for the time being, the satellite passes are being coordinated
as the bird comes out of eclipse ... for obvious reasons - (commissioning and testing).

We should all do our part to increase the awareness for good operating proceedure.

Lead by example.

73 John. <la2qaa@...>
73 John.

3512. DX news.

Yahoo group: eu-amsat
Date: 2010-06-08 17:01:02 UTC
From: John Hackett
Topic: 3512 Message: 3512

More DX news from ZS6WB.

>Dean,
ZD8DC is on Ascension Island until 23 June and
> will probably be up on the sats this coming weekend ...

Unfortunately, no HO-68 passes scheduled but he will probably operate half duplex on the other satellites.

Keep listening.

73 John. <la2qaa@...>

3513. Message delay

Yahoo group: eu-amsat
Date: 2010-06-09 14:00:57 UTC
From: Luc Leblanc
Topic: 3513 Message: 3513

Is it normal that a message sent to this BB on June 8 at 2042 EDT is not posted yet on June 9 0953 EDT?

I can understand AMSAT-NA need for funding but if the screening process take's 12 hours overall reliability of AMSAT-NA is questionable?

It's in the fine details that great organization show their strength!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3514. RE: [eu-amsat] Message delay

Yahoo group: eu-amsat
Date: 2010-06-09 14:21:10 UTC
From: John Hackett
Topic: 3513 Message: 3514

Comment.

I'm happy to say that posts to this reflector are *IMMEDIATE*.

I am the only person with 'editing' privilages of what posts are deleted before they're put on the reflector. I'm also happy to say that this has never been deemed necessary.

I leave 'content' to the common sense of the individual.

Everyone is entitled to their opinion here ... *REGARDLESS* of whether other people agree with it or not ... *WITHOUT fear of criticism or slander.

This is the in fact due to each and every member of EU Amsat.

Something to be proud of folks. Well done!.

73 John. <la2qaa@...>

3515. Re: Message delay

Yahoo group: eu-amsat
Date: 2010-06-09 19:10:26 UTC
From: m5aka
Topic: 3513 Message: 3515

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
> Is it normal that a message sent to this BB on June 8 at 2042 EDT
> is not posted yet on June 9 0953 EDT?

Sometimes emails can take an age to reach their destination. Last Saturday morning someone sent me an email but it didn't arrive in my Inbox until Monday evening.

Email delivery isn't always reliable.

73 Trevor M5AKA

3516. Re: Message delay

Yahoo group: eu-amsat
Date: 2010-06-10 08:16:07 UTC
From: Al
Topic: 3513 Message: 3516

Hi group,

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
> Sometimes emails can take an age to reach their destination. Last Saturday morning someone sent me an email but it didn't arrive in my Inbox until Monday evening.
>
> Email delivery isn't always reliable.
>
> 73 Trevor M5AKA

In general, e-mails either get from A-B eventually or are deemed undeliverable. Sometimes as Trevor points out, they can be delayed, at times for technical reasons. I've seen this first-hand at work because I can monitor our network provider (JANET).

In the case of a forwarding delay, the mail server should indicate to the sender (after a pre-determined period) that the message has been 'delayed'. The mail server will try again to forward the message in the time slot it's scheduler is set for, but if the message really cannot be forwarded, the sender will be informed that the message is 'undeliverable' and the message will NOT be forwarded.

The point I'm trying to make is that email systems in common use always inform the sender if a message cannot be delivered. It's generally safe to assume that if you send an email and you don't get a message saying that the email has been delayed or is udeliverable, that the message has indeed reached it's destination.

In short, email *is* a reliable means of communication because you do get excellent feedback from the mail servers. If an e-mail is delayed or can't be delivered, *you* should be the first to know.

Consider this. Why is e-mail so popular? I know why I prefer it to the Royal Mail, and it's not all to do with cost or convenience. It has a great deal to do with automated feedback, on the very rare occasion that a message doesn't reach it's destination, or is delayed.

73 Al.
GM1SXX

3517. Re: Message delay

Yahoo group: eu-amsat
Date: 2010-06-10 11:26:50 UTC
From: m5aka
Topic: 3513 Message: 3517

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
> In short, email *is* a reliable means of communication because
> you do get excellent feedback from the mail servers. If an e-mail
> is delayed or can't be delivered, *you* should be the first to know.
>
> Consider this. Why is e-mail so popular? I know why I prefer it
> to the Royal Mail, and it's not all to do with cost or convenience.
> It has a great deal to do with automated feedback, on the very rare
> occasion that a message doesn't reach it's destination, or is delayed.

Unfortunately there's not always feedback, in the case I mentioned there was none at all to indicate the message was delayed 3 days.

Our expectation may be one of near instant delivery for emails but the reality can be different.

73 Trevor M5AKA

3518. Delfi-n3Xt - micro-propulsion

Yahoo group: eu-amsat
Date: 2010-06-10 11:32:59 UTC
From: m5aka
Topic: 3518 Message: 3518

The micro-propulsion system being developed for Deli-n3Xt CubeSat looks good.

http://www.southgatearc.org/news/june2010/cubesat_shop.htm

I presume at this stage it's only for very limited orbit changes but could show the way towards getting higher orbits on future satellites.

The Solar panels on the 3U CubeSat will deliver an impressive amount of DC power - 10 Watts - not bad for something that size.

73 Trevor M5AKA

3519. Re: Message delay

Yahoo group: eu-amsat
Date: 2010-06-10 11:38:34 UTC
From: Al
Topic: 3513 Message: 3519

Hi group, and Trevor.

All of the mainstream mail systems I know of produce automated feedback messages for users, so for anyone who is unhappy with a webmail service, say so!.. not to me, but to the webmail sysop.

Having said that, I've personally never sent an email that I didn't have some sort of reply to, whether by the recipient or by the mail server. I use email a great deal, and have never had any issues with it. For anyone who does, you should complain to the sysop of the mail system in question. If only smailmail were half as reliable as email!

73 Al.
GM1SXX

3520. Message delay T plus 2 days?

Yahoo group: eu-amsat
Date: 2010-06-10 22:43:15 UTC
From: Luc Leblanc
Topic: 3520 Message: 3520

Just for the record i copy paste this infamous message who seems to never get out of the S... bucket here is what i wrote on June 9 1000 AM

Is it normal that a message sent to this BB on June 8 at 2042 EDT is not posted yet on June 9 0953 EDT?

And now the infamous message:

> Does anyone have any idea if there are any signals to track?
>
> Regards...Bill - N6GHz
>
> B J wrote:
> > http://www.n2yo.com/?s=36595
> >
> > 73s
> >
> > Bernhard VA6BMJ @ DO33FL
> >
> >
> >

Did any one have the KEPS or a way to derive them?

END of the infamous message.

Not exactly T+ 2 days because it is 1833 EDT at the actual writing time.

P.S. Is the word stubborn can be applied to a machine? just for the record i copy the very same first message to : listmaint@... but
not a single answer so far... Probably a stubborn machine?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3521. Message delay T plus 2 days?

Yahoo group: eu-amsat
Date: 2010-06-11 03:45:15 UTC
From: Luc Leblanc
Topic: 3520 Message: 3521

Just for the record i copy paste this infamous message who seems to never get out of the S... bucket here is what i wrote on June 9 1000 AM

Is it normal that a message sent to this BB on June 8 at 2042 EDT is not posted yet on June 9 0953 EDT?

And now the infamous message:

> Does anyone have any idea if there are any signals to track?
>
> Regards...Bill - N6GHz
>
> B J wrote:
> > http://www.n2yo.com/?s=36595
> >
> > 73s
> >
> > Bernhard VA6BMJ @ DO33FL
> >
> >
> >

Did any one have the KEPS or a way to derive them?

END of the infamous message.

Not exactly T+ 2 days because it is 1833 EDT at the actual writing time.

P.S. Is the word stubborn can be applied to a machine? just for the record i copy the very same first message to : listmaint@... but
not a single answer so far... Probably a stubborn machine?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3522. HO-68 schedule 13-20 June

Yahoo group: eu-amsat
Date: 2010-06-12 10:56:39 UTC
From: John Hackett
Topic: 3522 Message: 3522

ALL TIMES UTC.

13 June 2010
==========
16:25...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:10...Turn Off

18:10...Turn On--CW/SSB
Africa,Europe,Middle East,NA
18:55...Turn Off

22:15...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:00...Turn Off

14 June 2010
==========
01:05...Turn On--CW/SSB
South America,NA,North Asia
01:50...Turn Off

01:56...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:11...Turn Off

02:50...Turn On--CW/SSB
South America,NA,North Asia
13:35...Turn Off

17:55...Turn On--CW/SSB
Africa,Europe,NA
18:40...Turn Off

15 June 2010
==========
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

00:45...Turn On--CW/SSB
South America,NA,North Asia
01:30...Turn Off

01:39...Turn On--CW/SSB
North Asia, East Asia, South Asia

01:54...Turn Off

09:50...Turn On--CW/SSB
Oceania,Asia,Europe
10:35...Turn Off

12:30...Turn On--CW/SSB
NA,Europe,Africa,South America
13:15...Turn Off

17:35...Turn On--CW/SSB
India,Middle East,Europe,NA
18:20...Turn Off

19:05...Turn On--CW/SSB
Africa,Europe,NA
19:50...Turn Off

16 June 2010
==========
01:23...Turn On--CW/SSB
North Asia,East Asia,South Asia
09:37...Turn Off

09:35...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
10:20...Turn Off

15:15...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
16:00...Turn Off

17:20...Turn On--CW/SSB
Africa,Europe,NA
18:05...Turn Off

23:10...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:55...Turn Off

17 June 2010
==========
01:04...Turn On--CW/SSB
North Asia,East Asia,South Asia
09:19...Turn Off

04:35...Turn On--CW/SSB
NA,North Asia,Middle East,
Europe,Africa
05:20...Turn Off

09:20...Turn On--CW/SSB
Oceania,Asia,Europe,NA

10:05...Turn Off

13:45...Turn On--CW/SSB
Europe,NA,South America
14:30...Turn Off

17:05...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
17:50...Turn Off

18:50...Turn On--CW/SSB
Africa,Europe,NA
19:35...Turn Off

22:55...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:40...Turn Off

18 June 2010
==========
02:41...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:56...Turn Off

10:50...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:35...Turn Off

13:35...Turn On--CW/SSB
Europe,NA,South America
14:20...Turn Off

16:45...Turn On--CW/SSB
India,Africa,Europe,NA
17:30...Turn Off

22:35...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
23:20...Turn Off

19 June 2010
==========
01:25...Turn On--CW/SSB
South America,NA,North Asia
01:10...Turn Off

02:19...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:35...Turn Off

10:35...Turn On--CW/SSB
Oceania,Asia,Europe,NA

11:20...Turn Off

13:15...Turn On--CW/SSB
Europe,NA,South America
14:00...Turn Off

16:30...Turn On--CW/SSB
Africa,Europe,NA
17:15...Turn Off

20 June 2010
==========
00:05...Turn On--CW/SSB
South America,NA,North Asia
00:50...Turn Off

02:03...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:18...Turn Off

05:35...Turn On--CW/SSB
North Asia,Europe,Africa
06:20...Turn Off

12:55...Turn On--FM
Europe,NA,South America
13:40...Turn Off

3523. ... and yes, it *IS* radio.

Yahoo group: eu-amsat
Date: 2010-06-13 18:07:43 UTC
From: John Hackett
Topic: 3523 Message: 3523

Hello Al,
So who needs to carry a rig?.

As well as SATme, I have RDM (Remote Desktop Mobile) on my mobile mobile.

I can operate satellites while sitting on the Throne - (toilet, to you!) - thanks to a program called 'Wake Up On Standby'.

I can put the laptop on standby and take the bus to town.

In town I can wake up the computer at home (using the phone - and RDM) then start UISS to send packets with WISP. Since that's transmitted as RF from the FT-290 it *IS* 'radio' ... even though there's a computer - (and a mobile phone) - involved.

WISP *knows* when HO-68 is in view so sends and receives messages automatically.

Yessssssssssssss ... I agree with you ... so what !!!!.

Just an interesting form of 'operating satellites' remotely.

73 John.

CC'd to the group for general interest.

3524. Is the novelty wearing off? ...

Yahoo group: eu-amsat
Date: 2010-06-13 18:39:15 UTC
From: John Hackett
Topic: 3524 Message: 3524

This evening was the first time in 6 months that I havn't managed to work anyone on CW while HO-68 was in linear mode.

I wonder ... is the novelty wearing off?.

Dom has previously noted the poor pass schedule for southern Europe - for me in northern Europe the pass this evening (orbit 2376 in NOVA) was again excellent! - with a footprint from Portugal to Pakistan, west to east and Svalbard to Sudan, north to south ... almost 50 countries.

I just wish there were some CW operators in the less 'amateur' populated countries like the Middle East and the Northern African countries.

73 John. <la2qaa@...>

3525. Re: Is the novelty wearing off? ...

Yahoo group: eu-amsat
Date: 2010-06-13 20:34:15 UTC
From: m5aka
Topic: 3524 Message: 3525

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> I just wish there were some CW operators in the less 'amateur'
> populated countries like the Middle East and the Northern African
> countries.

Indeed and we need many more amateurs in those areas whether they no cW or not, since each country has a vote at ITU.

Since the removal of the morse test in the UK in 2003 very few new people have learnt it and long-term I think the mode is into terminal decline.

The decline is unfortunate as so far nothing matches CW for low power satellite working. There doesn't yet appear to be a narrow-bandwidth digital mode that equals it.

73 Trevor M5AKA

3526. Wise words indeed.

Yahoo group: eu-amsat
Date: 2010-06-13 21:35:06 UTC
From: John Hackett
Topic: 3526 Message: 3526

Trevor,
You said ...

>Since the removal of the morse test in the UK in 2003 very few new people have learnt it >and long-term I think the mode is into terminal decline.

>The decline is unfortunate as so far nothing matches CW for low power satellite working. >There doesn't yet appear to be a narrow-bandwidth digital mode that equals it.

>73 Trevor M5AKA

Wise words indeed. As an ex: Signals CW instructor (RSARS 1654) I can only agree with the second sentence.

PSK31 is a weak signal mode but as it's 'father' Peter G3PLX admits, it isn't suited to satellite
operating - though it is possible, as attested to by PE3PCH and myself over AO-7 ... and then only due to absolute minimal doppler. PSK31 can't be 'read' by ear either.

We can only hope that future Hams will realise the significance, and learn the code, if only
for the sake of communicating as an 'art' - lets face it, anybody! can waffle into a microphone ... *BUT* ... I fear Trevor, you may very well be right - in that it's in terminal (pardon the pun) decline.

NB.

(terminal as in ... 'repent! ye, for the end is nigh').

I for one will keep at it until I croak ... and who knows ... maybe somebody will hear the tapping on the inside of the coffin lid.

73 John. <la2qaa@amsat.org>

3527. Re: [eu-amsat] ... and yes, it *IS* radio.

Yahoo group: eu-amsat
Date: 2010-06-14 00:21:36 UTC
From: Luc Leblanc
Topic: 3523 Message: 3527

>
> I can operate satellites while sitting on the Throne - (toilet, to you!) - thanks to a program called 'Wake Up On Standby'.
>

That's confirm your UK roots... even here in french we often refer to the Monarchy in those term. As you know we are still in the
commonwealth as someone who want's our wealth and they will get it sooner or later.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3528. Re: [eu-amsat] ... and yes, it *IS* radio.

Yahoo group: eu-amsat
Date: 2010-06-14 08:53:28 UTC
From: Thomas Frey
Topic: 3523 Message: 3528

Luc Leblanc schrieb:
>
>> I can operate satellites while sitting on the Throne - (toilet, to you!) - thanks to a program called 'Wake Up On Standby'.
>>
>>
>
> That's confirm your UK roots... even here in french we often refer to the Monarchy in those term. As you know we are still in the
> commonwealth as someone who want's our wealth and they will get it sooner or later.
>
>
>
Hello John and Luc

Sorry about this off topic theme, but I have crawly fingers. :-)

If anybody has a long "meeting" in the toilet we are asking "Are you sitting on the Throne ?"

As you can see, this theme is international. :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3529. FB! Thomas - Luc ...

Yahoo group: eu-amsat
Date: 2010-06-14 11:15:18 UTC
From: John Hackett
Topic: 3523 Message: 3529

Hello Thomas, Luc,
No apology necessary for 'off topic' comments Thomas.

Anything (within the bounds of reason) that any member of our group has to say is of interest to me.

Very interesting to note that the 'Throne' is international - I didn't know that.

Thanks for the heads up.

Luc,
personally, I'm very glad that Canada is - 'on our side' - much more so than that 'other' lot further south ... he he he.

Have a good day, both.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 14 Jun 2010 10:53:28 +0200
Subject: Re: [eu-amsat] ... and yes, it *IS* radio.

Luc Leblanc schrieb:

>

>> I can operate satellites while sitting on the Throne - (toilet, to you!) - thanks to a program called 'Wake Up On Standby'.

>>

>>

>

> That's confirm your UK roots... even here in french we often refer to the Monarchy in those term. As you know we are still in the

> commonwealth as someone who want's our wealth and they will get it sooner or later.

>

>

>

Hello John and Luc

Sorry about this off topic theme, but I have crawly fingers. :-)

If anybody has a long "meeting" in the toilet we are asking "Are you sitting on the Throne ?"

As you can see, this theme is international. :-)

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3530. Surprised.

Yahoo group: eu-amsat
Date: 2010-06-15 18:23:21 UTC
From: John Hackett
Topic: 3530 Message: 3530

I must admit - I'm surprised.

Orbit 2402 of HO-68 this evening ... one single Italian station calling CQ (on top of me) and
not getting any reply - (but kept calling CQ on top of me anyway!) - which I found rather amusing (I've been at this game quite a long time) considering he hasd the entire passband to himseld except for the few couple of hertz (sorry! GM1SXX, I meant 'Hercles') I was using.

My point? ... where did all the linear satellite operators go?.

Speculation, but could it be that they just got sick of the FM zoo and threw in the towel?.

In the days of RS-10 to 13, FO-20 etc ... the LEO's were literally 'TEEMING** with activity.

Now, Such a great satellite like HO-68 in linear mode and 2 stations on the pass.

Of course, it's possible that there was someone on the other end of the passband because I was only listening to my own downlink (plus the 'friendly' Italian on top of me) but there's no doubt the pass would be classified as under utilised.

A pity, after all the effort the Chinese put in to provide this easy to use satellite.

Perhaps others have a different opinion ??.

73 John. <la2qaa@...)

NB.

'Hercles' - because GM1SXX and myself have been informed by the amateur examining board that 'cycles per second' is *NOT* the correct answer as to how 'frequency' is measured. The *CORRECT* answer is Hertz ... however, since all textbooks and most radios were marked in CYCLES PER SECOND I coined the word 'hercles' ... a hybrid hertz and cycles ... to keep the tick-box folks happy.

One student (now a licensed amateur) answered 'cycles per second' ... and was marked *WRONG*.

Is *this* why amateur radio is going down the tube?,

Together with the atrocious operating proceedure deemed 'acceptable' ... (OK, that last bit was just my own personal opinion).

When the 'teachers' are incompetant - you can't really expect a high standard.

I just wonder if the 'empty' transponder (third consequative day) was due to the linear operators jumping ship.

73 John. <la2qaa@amsat.org>

3531. (no subject)

Yahoo group: eu-amsat
Date: 2010-06-15 20:04:58 UTC
From: John Hackett
Topic: 3531 Message: 3531

I apologise before the fact ... more whinging ...

This pass of HO-68 (2403) showed a bit more promise - with a footprint down to central Africa from my QTH but this time on my 5th CQ (on a clear frequency) a Polish station decided that this was the best place for him to call CQ too ... on SSB.

I'm still debating (with myself) as to whether this is due to ignorance, bloody-mindedness for a weaker station, a lack of understanding of full duplex or just not bothering to listen before starting to call. There's also the possibility of the sliding down in frequency 'out of sync' being due to the different tuning conventions ... as well as CW and SSB *NOT* being on exactly the same tuning rate - (all things being equal).

Try as I might, I had to tell the station that did his best to answer me I just couldn't copy his call through the Polish QRM ... yes, I did! QSY (even though I was there first) but the Pole just slid right down on top of me again.

I guessed wrong !!! ... I should have QSY'd up - but the last time I did that I 'caught' another bstation coming down! ... ahh, the joys of satellite operating when people can't asgree to use the same tuning convention.

I could copy my own downlink (on a clear frequency) at S6 so there really wasn't any excuse except possibly a half duplex station, for the QRM ... in which case that station ought to listen
a couple of KC's either side of his calculated downlink.

Whatever happened to QRL? ... I could have answered on SSB ... not that it helps much with the - "Mine's bigger than yours!" - attitude. I recall on RS-10 and AO-13 people always! asked
if the frequency was in use before blatting out a string of CQ's.

Like Robert Zimmerman (Bob Dylan, to you) said ... "The Time's They Are A-Changing". He ought to have added ... "ans so are the operating habits".

73 John. <la2qaa@...> ... aka ... SOF ... (sour old fart).

3532. Re: Surprised.

Yahoo group: eu-amsat
Date: 2010-06-15 21:04:07 UTC
From: m5aka
Topic: 3530 Message: 3532

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> In the days of RS-10 to 13, FO-20 etc ... the LEO's were
> literally 'TEEMING** with activity.

Hi John,

The world has changed in the past 20 years.

In 1990 all new Amateurs started off on the VHF/UHF bands and a significant proportion used SSB.

For the last 8 years new Amateurs have started on the HF bands first and if they do eventually get any VHF/UHF equipment it'll be an FM rig connected to a simple omni-directional antenna.

There are a rapidly diminishing number of Amateurs left who still use SSB or CW on 2m or 70cm and it's those people that have traditionally provided the satellite operators.

The 2m and 70cm CW/SSB segments these days are empty most of the time.

Don't know what the solution is.

73 Trevor M5AKA

3533. A logical explanation.

Yahoo group: eu-amsat
Date: 2010-06-16 08:50:08 UTC
From: John Hackett
Topic: 3530 Message: 3533

Hello Trevor,
Yes, I think you're right. That seems to be a logical explanation ... plus the fact that a lot of the RS-10 operators who were 'grown ups' at the time have now QSY'd to that great shack in the sky ... or in LA2qaa' case - are destined for that other 'southerly' place.

Hey! ... look on the bright side ... after having lived here for 32 years it will be a change to
be 'warm'.

Seriously, If I'm to continue to faff about with set-alights (satellites) I might soon have to bite the bullet and use FM ... arrrrrrrrrrrrrrggh !!!.

I *HAVE* been warned that emulating the Americans and using 5 watts to an Arrow is dead in the water these days (in Europe) - with 2 x notable exceptions, 1 x Yorkshireman and 1 x Norwegian !!! - (not me) - for the rest, it sounds like a fox in a hen coup.

I have been using 2 watts (CW) to an Arrow (portable) with a fairly decent downlink on HO-68 but continually get *STOMPED* on - I suspect by 'alligators' who don't listen before expelling the 'breathy' CQ's in haste - lest somebody might actually answer.

I envy my mate ZS6WB who has worked ET3SID, 9J2HL, Z21HLT, ZD8DC and a whole bunch of other DX this last couple of weeks on the various satellites.

I think the standard of operating is vastly different in South Africa where they don't have 50+ countries in the footprint. Appealing to common sense and good manners in Europe appears to be a *TOTAL* waste of time.

Maybe I'll have to crawl back to AO-7 with my tail between my legs. At leat there, the operating is not 'quite' as bad - due to, I suspect, mostly (but not all) experienced operators
and permanent linear modes of operation.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Tue, 15 Jun 2010 21:04:07 +0000
Subject: [eu-amsat] Re: Surprised.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

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> literally 'TEEMING** with activity.

Hi John,

The world has changed in the past 20 years.

In 1990 all new Amateurs started off on the VHF/UHF bands and a significant proportion used SSB.

For the last 8 years new Amateurs have started on the HF bands first and if they do eventually get any VHF/UHF equipment it'll be an FM rig connected to a simple omni-directional antenna.

There are a rapidly diminishing number of Amateurs left who still use SSB or CW on 2m or 70cm and it's those people that have traditionally provided the satellite operators.

The 2m and 70cm CW/SSB segments these days are empty most of the time.

Don't know what the solution is.

73 Trevor M5AKA

3534. Re: [eu-amsat] Surprised.

Yahoo group: eu-amsat
Date: 2010-06-16 09:42:50 UTC
From: Thomas Frey
Topic: 3530 Message: 3534

John Hackett schrieb:
>
> NB.
>
> 'Hercles' - because GM1SXX and myself have been informed by the
> amateur examining board that 'cycles per second' is *NOT* the correct
> answer as to how 'frequency' is measured.
> The *CORRECT* answer is Hertz ... however, since all textbooks and
> most radios were marked in CYCLES PER SECOND I coined the word
> 'hercles' ... a hybrid hertz and cycles ...
> to keep the tick-box folks happy.
>
> One student (now a licensed amateur) answered 'cycles per second' ...
> and was marked *WRONG*.
>
> Is *this* why amateur radio is going down the tube?,
>
> Together with the atrocious operating proceedure deemed 'acceptable'
> ... (OK, that last bit was just my own personal opinion).
>
> When the 'teachers' are incompetant - you can't really expect a high
> standard.
>
> I just wonder if the 'empty' transponder (third consequative day) was
> due to the linear operators jumping ship.
>
> 73 John. <la2qaa@...>
>

Hello John and Group

Just a reminder. Hertz is the physical unit for the frequency and
is named after Heinrich Hertz, a German physicist. See
http://en.wikipedia.org/wiki/Hertz and
http://en.wikipedia.org/wiki/Heinrich_Hertz

Guys (!) this are basics of our hobby !!

What the heck are Megacycles ? A million of boxes the ears ? This
would explain the many alligators on our bands. ;-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3535. RE: [eu-amsat] Surprised.

Yahoo group: eu-amsat
Date: 2010-06-16 10:18:22 UTC
From: John Hackett
Topic: 3530 Message: 3535

Thomas,
I think you inadvertantly ('NOT' your fault) missed the 'tongue-in-cheek' - (humourous) - point ...

'Cycles' and 'Hertz' are the same thing !!!! ... as anyone! will attest to ... therefore, to mark one correct and one wrong
'smells' of incompetance.

That !!! was my point.

All frequency dials in the 40's to the 60's in the ENGLISH speaking world were marked in kiloCYCLES K/cs ... *NOT* kHz.

English - "as she is spoke" - is a ridiculous! language ... I know, I *AM* one ... (despite the LA call). It's *VERY*
ambiguous, easy to misconstrue - (misunderstand) - even for the English !!!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 16 Jun 2010 11:42:50 +0200
Subject: Re: [eu-amsat] Surprised.

John Hackett schrieb:

>

> NB.

>

> 'Hercles' - because GM1SXX and myself have been informed by the

> amateur examining board that 'cycles per second' is *NOT* the correct

> answer as to how 'frequency' is measured.

> The *CORRECT* answer is Hertz ... however, since all textbooks and

> most radios were marked in CYCLES PER SECOND I coined the word

> 'hercles' ... a hybrid hertz and cycles ...

> to keep the tick-box folks happy.

>

> One student (now a licensed amateur) answered 'cycles per second' ...

> and was marked *WRONG*.

>

> Is *this* why amateur radio is going down the tube?,

>

> Together with the atrocious operating proceedure deemed 'acceptable'

> ... (OK, that last bit was just my own personal opinion).

>

> When the 'teachers' are incompetant - you can't really expect a high

> standard.

>

> I just wonder if the 'empty' transponder (third consequative day) was

> due to the linear operators jumping ship.

>

> 73 John. <la2qaa@...>

>

Hello John and Group

Just a reminder. Hertz is the physical unit for the frequency and

is named after Heinrich Hertz, a German physicist. See

http://en.wikipedia.org/wiki/Hertz and

http://en.wikipedia.org/wiki/Heinrich_Hertz

Guys (!) this are basics of our hobby !!

What the heck are Megacycles ? A million of boxes the ears ? This

would explain the many alligators on our bands. ;-)

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3536. Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 12:32:43 UTC
From: Thomas Frey
Topic: 3530 Message: 3536

John Hackett schrieb:
>
>
> Thomas,
> I think you inadvertantly ('NOT' your fault) missed the
> 'tongue-in-cheek' - (humourous) - point ...
>
> 'Cycles' and 'Hertz' are the same thing !!!! ... as anyone! will
> attest to ... therefore, to mark one correct and one wrong
> 'smells' of incompetance.
>
> That !!! was my point.

Hmmm... I think I understand you John. My point was also humorous I
mean. :-)

>
> All frequency dials in the 40's to the 60's in the ENGLISH speaking
> world were marked in kiloCYCLES K/cs ... *NOT* kHz.

Ah interesting. I knows there was anything with Cycles but don't know
the story behind it. It would be interesting to know why the dials was
marked with Cycles. Was it a political reason against a German physicist ?

>
> English - "as she is spoke" - is a ridiculous! language ... I know, I
> *AM* one ... (despite the LA call). It's *VERY*
> ambiguous, easy to misconstrue - (misunderstand) - even for the
> English !!!.
>
> 73 John. <la2qaa@...>
>
> [snip]

>
> http://en.wikipedia.org/wiki/Hertz and
> http://en.wikipedia.org/wiki/Heinrich_Hertz
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3537. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 14:10:37 UTC
From: rw3xl
Topic: 3530 Message: 3537

Hello group!
--
Hertz-
Abbr. Hz
A unit of frequency equal to one cycle per second.
(The American Heritage® Dictionary of the English Language, Fourth Edition copyright ©2000 by Houghton Mifflin Company. Updated in 2009. Published by Houghton Mifflin Company.)
--
1 kilocycle per second - one thousand periods per second.
(Based on WordNet 3.0, Farlex clipart collection. © 2003-2008 Princeton University, Farlex Inc.)
--
It's not "one thousand very heavy motorcycles" how I think at first time :)

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> John Hackett schrieb:
> >
> >
> > Thomas,
> > I think you inadvertantly ('NOT' your fault) missed the
> > 'tongue-in-cheek' - (humourous) - point ...
> >
> > 'Cycles' and 'Hertz' are the same thing !!!! ... as anyone! will
> > attest to ... therefore, to mark one correct and one wrong
> > 'smells' of incompetance.
> >
> > That !!! was my point.
>
> Hmmm... I think I understand you John. My point was also humorous I
> mean. :-)
>
> >
> > All frequency dials in the 40's to the 60's in the ENGLISH speaking
> > world were marked in kiloCYCLES K/cs ... *NOT* kHz.
>
> Ah interesting. I knows there was anything with Cycles but don't know
> the story behind it. It would be interesting to know why the dials was
> marked with Cycles. Was it a political reason against a German physicist ?
>
> >
> > English - "as she is spoke" - is a ridiculous! language ... I know, I
> > *AM* one ... (despite the LA call). It's *VERY*
> > ambiguous, easy to misconstrue - (misunderstand) - even for the
> > English !!!.

> >
> > 73 John. <la2qaa@...>
> >
> > [snip]
>
> >
> > http://en.wikipedia.org/wiki/Hertz and
> > http://en.wikipedia.org/wiki/Heinrich_Hertz
> >
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3538. That's !!! a good one ...

Yahoo group: eu-amsat
Date: 2010-06-16 14:23:05 UTC
From: John Hackett
Topic: 3530 Message: 3538

Privet Igor,
Now that's !!!! a good one - you had me 'wetting' myself with laughing ...

It cetainly beats my 'Hercles' ...

1000 very heavy motorcycles ... per second!.

Brilliant !!! ... he he he

I wish everything was as sensible as Russian.

'Y John' ... instead of ... 'My name is John'.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Wed, 16 Jun 2010 14:10:37 +0000
Subject: [eu-amsat] Re: Cycles and Hertz

Hello group!

--

Hertz-

Abbr. Hz

A unit of frequency equal to one cycle per second.

(The American Heritage® Dictionary of the English Language, Fourth Edition copyright ©2000 by Houghton Mifflin Company. Updated in 2009. Published by Houghton Mifflin Company.)

--

1 kilocycle per second - one thousand periods per second.

(Based on WordNet 3.0, Farlex clipart collection. © 2003-2008 Princeton University, Farlex Inc.)

--

It's not "one thousand very heavy motorcycles" how I think at first time :)

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

>

> John Hackett schrieb:

> >

> >

> > Thomas,

> > I think you inadvertantly ('NOT' your fault) missed the

> > 'tongue-in-cheek' - (humourous) - point ...

> >

> > 'Cycles' and 'Hertz' are the same thing !!!! ... as anyone! will

> > attest to ... therefore, to mark one correct and one wrong

> > 'smells' of incompetance.

> >

> > That !!! was my point.

>

> Hmmm... I think I understand you John. My point was also humorous I

> mean. :-)

>

> >

> > All frequency dials in the 40's to the 60's in the ENGLISH speaking

> > world were marked in kiloCYCLES K/cs ... *NOT* kHz.

>

> Ah interesting. I knows there was anything with Cycles but don't know

> the story behind it. It would be interesting to know why the dials was

> marked with Cycles. Was it a political reason against a German physicist ?

>

> >

> > English - "as she is spoke" - is a ridiculous! language ... I know, I

> > *AM* one ... (despite the LA call). It's *VERY*

> > ambiguous, easy to misconstrue - (misunderstand) - even for the

> > English !!!.

> >

> > 73 John. <la2qaa@...>

> >

> > [snip]

>

> >

> > http://en.wikipedia.org/wiki/Hertz and

> > http://en.wikipedia.org/wiki/Heinrich_Hertz

> >

>

> --

>

> Mit freundlichen Grüssen, Regards, 73

> Thomas Frey, HB9SKA

> _____

>

> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

> http://home.datacomm.ch/th.frey/

>

3539. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 14:34:44 UTC
From: Al
Topic: 3530 Message: 3539

Hi group,

All this stuff about Hertz and Cycles per second originated with me.
I'm an instructor for the UK amateur radio examinations and I had to mark a student wrong last year for choosing Cycles per Second rather than Hertz because the RCF (Radio Communications Foundation) deem it to be the 'wrong' answer, despite the term still being in widespread use in the 'real' world. The same pair of questions appeared in a recent exam I marked. Fortunately the student was astute enough to choose the book answer.

CP/s didn't simply disappear with the change in teaching some decades ago to SI units! When I complained about the content of the question, Alan Betts G0HIQ of the RSGB (and probably also the RCF), and author of several of the officially approved training books, assured me in no uncertain terms by email that 'cycles per second' is *not* a measurement of frequency. I beg to differ, as do Wikipedia and many other information sources. I did send him the various references, but got no reply. I wonder why?
Most of my radio dials (they are fairly old) will now have to be altered from Mc/s to Megahertz and from Cp/s to Hertz, to comply ;-)

There are many other glaring anomalies in the teaching material but this is not the correct forum for them. I'm already O/T enough :-)
Suffice to say that I now inform students that despite official advice to the contrary, there *are* questions designed to trick them in the exams, that they should read everything *very* carefully, several times, and that only the 'book answer' will suffice. It seems to be paying off. In short, if you have a technical background... you could be in big trouble!

73 Al.
GM1SXX
(with my apologies for being O/T)

3540. Re: [eu-amsat] Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 18:57:44 UTC
From: Marco IK1ODO
Topic: 3530 Message: 3540

Hi Al,

>All this stuff about Hertz and Cycles per second
>originated with me. .... I beg to differ, as do
>Wikipedia and many other information sources.

Absolutely agree. The definition of Hz is "number
of cycles per second". From the Encyclopædia Britannica, just to cite one :

Hertz
unit of frequency. The number of hertz
(abbreviated Hz) equals the number of cycles per
second. The frequency of any phenomenon with
regular periodic variations can be expressed in
hertz, but the term is used most frequently in
connection with alternating
<http://www.britannica.com/EBchecked/topic/182467/electric-current>electric
currents, electromagnetic waves (light, radar,
etc.), and sound. It is part of the
<http://www.britannica.com/EBchecked/topic/291305/International-System-of-Units>International
System of Units (SI), which is based on the
<http://www.britannica.com/EBchecked/topic/378783/metric-system>metric
system. The term hertz was proposed in the early
1920s by German scientists to honour the
19th-century German physicist
<http://www.britannica.com/EBchecked/topic/263899/Heinrich-Hertz>Heinrich
Hertz. The unit was adopted in October 1933 by a
committee of the International Electrotechnical
Commission and is in widespread use today,
although it has not entirely replaced the expression □cycles per second.□

To me this is a non-problem.

73 - Marco IK1ODO

3541. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 21:20:43 UTC
From: Al
Topic: 3530 Message: 3541

--- In eu-amsat@yahoogroups.com, Marco IK1ODO <ik1odo@...> wrote:
>
> Hi Al,
>
> >All this stuff about Hertz and Cycles per second
> >originated with me. .... I beg to differ, as do
> >Wikipedia and many other information sources.
>
> Absolutely agree. The definition of Hz is "number
> of cycles per second". From the Encyclopædia Britannica, just to cite one :
>

Hi Marco and the group.

In the 'real' world, the terms Hertz and Cycles per Second are generally interchangeable , because they share the same meaning, but to the RSGB and RCF (who set exams in the UK), they appear NOT to be. Foundation exam candidates in the UK may fail their exam because of the distinction between what is taught, and what simply is. For anyone who thinks there is a case to answer, I suggest you contact the RCF or RSGB with your concerns. They certainly don't listen to me. I checked many sources *before* I complained to the RCF. All of them said that Hz = cycles per second, but I still have to mark as incorrect, any papers where the candidate chooses cycles per second! All of this arises because the RCF Foundation syllabus teaches that 'the unit of frequency measurement is hertz'.
It is not fair (IMO) to mark a candidate wrong for using a non RCF approved unit of measurement, especially when TWO generally accepted units of measurement are included in the answer set! .

73 Al.
GM1SXX

RCF may be contacted at...
http://www.commsfoundation.org/contact.html

3542. Re: [eu-amsat] Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-16 23:31:03 UTC
From: Thomas Frey
Topic: 3530 Message: 3542

Hello Al and Marco

My meaning is that "cycles per second" does not describe what is cycling.
If you say "electromagnetic cycles/s" then it is correct and means Hertz.
If you say Hertz, everyone knows what you mean.

But my previous question was about the history of "C/s" or "Cps". John
wrote that dials are marked with Cycles/s in the 1940s to 1960s. In this
period was the WW2 and the cold war. My guess is that this marking had
a political reason against a German physicist (Heinrich Hertz).

Am I completely wrong or what do you think ? Or do you know the reason ?

Al schrieb:
>
>
> --- In eu-amsat@yahoogroups.com, Marco IK1ODO<ik1odo@...> wrote:
>
>> Hi Al,
>>
>>
>>> All this stuff about Hertz and Cycles per second
>>> originated with me. .... I beg to differ, as do
>>> Wikipedia and many other information sources.
>>>
>> Absolutely agree. The definition of Hz is "number
>> of cycles per second". From the Encyclop?dia Britannica, just to cite one :
>>
>>
> Hi Marco and the group.
>
> In the 'real' world, the terms Hertz and Cycles per Second are generally interchangeable
, because they share the same meaning, but to the RSGB and RCF (who set exams in the UK),
they appear NOT to be. Foundation exam candidates in the UK may fail their exam because of
the distinction between what is taught, and what simply is. For anyone who thinks there is
a case to answer, I suggest you contact the RCF or RSGB with your concerns. They certainly
don't listen to me. I checked many sources *before* I complained to the RCF. All of them
said that Hz = cycles per second, but I still have to mark as incorrect, any papers where
the candidate chooses cycles per second! All of this arises because the RCF Foundation
syllabus teaches that 'the unit of frequency measurement is hertz'.
> It is not fair (IMO) to mark a candidate wrong for using a non RCF approved unit of
measurement, especially when TWO generally accepted units of measurement are included in
the answer set! .
>
> 73 Al.
> GM1SXX

>
> RCF may be contacted at...
> http://www.commsfoundation.org/contact.html
>
>
>

--

Mit freundlichen Gr?ssen, Regardsm, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3543. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-17 06:22:22 UTC
From: yo9gjx
Topic: 3530 Message: 3543

Its the same, cycles/s or Hz/s means of measuring the resonance frequencies not only the electromagnetic waves, all things have a resonance frequency including us.

3544. Re: [amsat-bb] Re: AMSAT Board of Directors Candidates

Yahoo group: eu-amsat
Date: 2010-06-17 07:19:29 UTC
From: Luc Leblanc
Topic: 3544 Message: 3544

On 16 Jun 2010 at 22:27, Anthony Monteiro wrote:

Date sent: Wed, 16 Jun 2010 22:27:29 -0400
From: Anthony Monteiro <aa2tx@...>
Subject: [amsat-bb] Re: AMSAT Board of Directors Candidates
To: Dave Guimont <dguimon1@...>,
"Vince Fiscus, KB7ADL" <vlfiscus@...>
Copies to: amsat-bb@...

> At 07:40 PM 6/16/2010, Dave Guimont wrote:
> >I hope we are getting great financial support from the fm'ers. I
> >assume the reason for fm is the assumed cost of ssw/cw rigs in
>
> Dear Dave and Vince and the group,
>
> You guys have to know that I would love to put up a linear HEO and
> resurrect the +20 net!
>
> The reality is that AMSAT just cannot afford to pay for a HEO launch.
> I do think we need to work as hard as we can to find another way to get
> there but we haven't found a way just yet.
>
> The ARISSat-1 satellite, which many of us are hard at work on right now,
> will have a linear transponder but of course it is a LEO.
>
> The AMSAT-Fox project is FM because we need a replacement for AO-51
> before it dies (perhaps THE most popular satellite at present) and it is hard
> to generate enough power from a 1U CubeSat to have a really good linear
> transponder.
>
> Hang in there. The world has changed and it is much more difficult than it used
> to be but we are trying really hard to get there.
>
> 73,
> Tony AA2TX
> AMSAT VP Engineering
>

Just have a look at PE1RAH William Leijenaar web page http://www.qsl.net/pe1rah/

and look at his nano sat transponder satellite

http://www.qsl.net/pe1rah/mysat2.htm

Technology is there but is the AMSAT-NA mentality will change? I wrote in the past at numerous time that it's will be through an

international effort amateur radio satellite launch will succeed. It's already done! Look at all the cubes sat launch in the past 5 years
nothing came from an AMSAT-NA project.. here is the international effort i refer too.

Yes AMSAT-NA is having projects but AMSAT-INDIA gets help from William PE1RAH for his VO-52 transponder. Just for the record AMSAT-DL is
still working on an HEO P3E. There will be no salute if AMSAT-NA persist to fold on themselves trying to make his own 50 states affair as
if they are too ashamed to work and i mean really work on an international cooperation base.

We are in 2010 and i don't know if the AMSAT-NA BOD is aware that we are in a globalized world? Your telephone call center is in India and
your cars are manufactured in Mexixo. Having the very same people always playing the musical chair in the AMSAT-NA BOD will only lead to
the same old paradigm who is by definition :a philosophical and theoretical framework of a scientific school or discipline within which
theories, laws, and generalizations and the experiments performed in support of them are formulated; broadly a philosophical or theoretical
framework of any kind. Is it not a characterization of the past 7 years of AMSAT-NA actions? I think yes and it's lead to nothing.

Will this FOX project succeed as the many past one we can only hope but IMHO we are still in the same bad tracks even if the folks involved
are the most dedicated ones. ARISSAT-1 is probably the best tangible assets actually but how can we really think AMSAT-NA is only promoting
his new projects on paper when peoples are actually reading stuff on their I Pod and I Pad? Is this will help them attracting new blood in
the amateur radio satellite field?

If the new AMSAT-NA BOD candidates are asking for inputs it's probably because they cannot provided any new ideas only refurbishing ideas
from the past over and over again.

For those who are not accepting criticism even the constructive ones just have the BOD implementing ways and means to work on an
international satellite project will be a step in the right direction.

It's my opinion and i know you shared it...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3545. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-17 07:53:59 UTC
From: Al
Topic: 3530 Message: 3545

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Al and Marco
>
My guess is that this marking had a political reason against a German physicist (Heinrich Hertz).
>
> Am I completely wrong or what do you think ? Or do you know the reason ?
>
I think you are completely wrong. I can assure readers that the terms Kilocycles and Megacycles in radio communications go back a very long way in the UK, to before the Cold war and to the earliest days of radio here. Hertz as an accepted unit of frequency measurement wasn't around until 1930. With older equipment, it seems to be a British, and an American, tradition to use Cp/s in preference to Hertz. Hertz only really started come into more general use in the UK in the late 1970's with the general change (driven by the IEC) from Imperial to SI units. I absolutely don't believe that anyone was 'having a go' at Heinrich Hertz! Check out any of the common references, or any website with old British and American military radios and you will see where I am coming from.

Wikipedia was my friend here...
(Quote)
History
The hertz is named after the German physicist Heinrich Hertz, who made important scientific contributions to electromagnetism. The name was established by the International Electrotechnical Commission (IEC) in 1930.[5] It was adopted by the General Conference on Weights and Measures (CGPM) (Conférence générale des poids et mesures) in 1960, replacing the previous name for the unit, cycles per second (cps), along with its related multiples, primarily kilocycles per second (kc/s) and megacycles per second (Mc/s), and occasionally kilomegacycles per second (kMc/s). The term cycles per second was largely replaced by hertz by the 1970s (Unquote)

Note please the last sentence, but of course unless the 'old school' hurry up and die off, Cycles per Second will also be with us for quite a while yet ;-)

At school, in the 70's, I was taught about cycles per second, not Hertz, and the term Hertz and Mhz only very slowly replaced cycles per second as manufacturers of equipment changed their markings on equipment. With the influx of Japanese built equipment, the term Hertz came into more common use among radio amateurs in the UK, but in general, most people still talked about 'qsy'ing up 25 Kcs or down 25 Kcs rather than 25 Kilohertz, and many in the UK, myself and most of the UK people I meet on the air, still use this terminology, rather than saying Kilohertz.

It's interesting that in most ways,the US has doggedly retained the Imperial over the SI system of units. Even the US Space Shuttle is imperial....all measurements are in inches. I'm informed that the only metric thing America favours in the 9mm, and I guess that's probably true ;-)

73 Al.
GM1SXX
PS I've been to the US and I have relatives and friends there... lest anyone mistakenly thinks I'm 'having a go' at the Americans.

3546. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-17 08:03:25 UTC
From: Al
Topic: 3530 Message: 3546

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> Its the same, cycles/s or Hz/s means of measuring the resonance frequencies not only the electromagnetic waves, all things have a resonance frequency including us.
>

I agree. It's has exactly the same *meaning* ... so therefore cannot be 'different', yet I am obliged to mark candidates WRONG for choosing cycles per second.

That's stupid or what. We need a better RCF, one that that can ask meaningful, rather than trick questions.

Al.

3547. AMSAT-UK Colloquium 2010 - Final call for Speakers

Yahoo group: eu-amsat
Date: 2010-06-17 08:30:00 UTC
From: g4dpz
Topic: 3547 Message: 3547

Hi All,

This is the final call for speakers for the AMSAT-UK Colloquium 2010
which will be held at the Holiday Inn, Guildford, UK
(same venue as in 2009) on *Sat 31st Jul and Sun 1st Aug 2010*, with a beginners session on the afternoon of Friday 30th.

AMSAT-UK invite speakers, about amateur radio, space and associated
activities to this event, details of which, can be found at:

http://www.uk.amsat.org/content/view/32/42/

As this is a late call, the submission of a paper is not required but any PowerPoint or similar material can be made available online, afterterwards.

Submissions should be sent *ONLY* to G4DPZ, via the following routes:

e-mail: david.johnson AT blackpepper.co.uk

SnailMail: QTHR from www.QRZ.com

Likewise if anyone knows of a good speaker, please
send contact and other information to G4DPZ.

73

Dave
G4DPZ

3548. Re: [eu-amsat] Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-17 08:54:49 UTC
From: Thomas Frey
Topic: 3530 Message: 3548

Al schrieb:
>
>
>
>
> --- In eu-amsat@yahoogroups.com, "yo9gjx"<yo9gjx@...> wrote:
>
>> Its the same, cycles/s or Hz/s means of measuring the resonance frequencies not only the electromagnetic waves, all things have a resonance frequency including us.
>>
>>
> I agree. It's has exactly the same *meaning* ... so therefore cannot be 'different', yet I am obliged to mark candidates WRONG for choosing cycles per second.
>
> That's stupid or what. We need a better RCF, one that that can ask meaningful, rather than trick questions.
>
> Al.
>
>
>
Hello Al

Thanks for your explanations. It was an interesting thread.

--

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3549. RE: [eu-amsat] Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-17 12:33:50 UTC
From: John Hackett
Topic: 3530 Message: 3549

Group,
The whole point, when I started the thread, was to point out that Hertz and 'cycles' are the same thing !!! - (as I mentioned) - so it's incompetance - (as I said) - to teach one is right and the other is nwrong.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 17 Jun 2010 10:54:49 +0200
Subject: Re: [eu-amsat] Re: Cycles and Hertz

Al schrieb:

>

>

>

>

> --- In eu-amsat@yahoogroups.com, "yo9gjx"<yo9gjx@...> wrote:

>

>> Its the same, cycles/s or Hz/s means of measuring the resonance frequencies not only the electromagnetic waves, all things have a resonance frequency including us.

>>

>>

> I agree. It's has exactly the same *meaning* ... so therefore cannot be 'different', yet I am obliged to mark candidates WRONG for choosing cycles per second.

>

> That's stupid or what. We need a better RCF, one that that can ask meaningful, rather than trick questions.

>

> Al.

>

>

>

Hello Al

Thanks for your explanations. It was an interesting thread.

--

Mit freundlichen Grüssen, Best Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3550. My portable yagi revised...

Yahoo group: eu-amsat
Date: 2010-06-18 11:28:37 UTC
From: LA2MOA
Topic: 3550 Message: 3550

Group,

For a while, I've been using a "Arrow-style" portable yagi, which basically is made of 2 DK7ZB 50 ohm lightweight yagis. 5 elements on 145 MHz, and 9 elements on 435 MHz. Elements attached on a simple boom made of a PVC tube. This has been working fine, on both FM and the linear transponder on VO-52. The last weekend I decided to revise the construction a bit. I wanted to make the antenna sturdier and not so "delicate". I have uploaded some pictures of the result, and you find them in the album named "Portable DK7ZB type II".

All material for the antenna, except the welding rods for the elements, is bought at "Biltema", a well known company here in Scandinavia, selling spare parts for cars (and almost anything else). The welding rods, by the way, is bought at "TESS" - also a well known company here in LA-land, hi!

To "stiff up" the boom and make it sturdier, I forced in a wooden broomstick into it. This doesn't make the boom much heavier, and it also eliminate the need for any strings to make the antenna go less "bananas" due to the weight of the elements. Besides, this also makes it easier to choose between horisontal/vertical polarisation when needed. The element positions are of course marked on the boom.

The boom clamps are nylon clamps, used on boats (mainly sailing yachts) to fixate just about anything that "dances around" when one's out on the big oceans. These clamps comes in many sizes, and I opted for the 30mm clamp, which goes perfectly with the 32mm PVC-boom. The elements are fixed to the clamps, simply by using shrinking hose (2-3 layers of hose for each element works fine). These clams are very versatile, and I also made a "Welcro-clamp" (welcro is heated on the clamp with shrinking hose). The welcro clamp is used to attach my VX7R on the boom.

All in all the antenna now is very sturdy. The only small problem is the elements sometimes are windmilling. However, if the antenna isn't operated with "brute force" the windmilling is minimal. Besides that, this is a PORTABLE antenna. It's supposed to be quickly assembled and quickly put back in the carrying bag.

The antenna is easily built in one or two evenings. The only thing that really takes time is cutting the elements and heating them on to the boomclamps with shrinking hose and a hot air blower.

On the air tests shows excellent results on AO-51. Next week I will try a few passes on VO-52 and AO-7 using my 2 x FT-817.

Have fun building!

Hans / LA2MOA
JP50hw

3551. HO-68 DX record.

Yahoo group: eu-amsat
Date: 2010-06-18 15:13:18 UTC
From: John Hackett
Topic: 3551 Message: 3551

Group,
The current distance record on HO-68 is 5600 kilometers by ZS6WB as shown below ...

DATE WORKED LOC CALL LOC KM SAT MODE

30-05-2010 ND9M/mm MJ38AA ZS6WB KG44EE 5600 HO-68 FM

If anyone has had a QSO covering a greater distance, please submit a report with the above details to <la2qaa@...g>

Thank you.

73 John. <la2qaa@...>

3552. CW on HO-68.

Yahoo group: eu-amsat
Date: 2010-06-18 19:28:51 UTC
From: John Hackett
Topic: 3552 Message: 3552

Thank goodness there are still some active CW operators using the satellites.

I had an excellent QSO with Walt ON5NY on HO-68 orbit 2441.

Thanks Walt.

The good news is that more and more operators are discovering you can get a *LOT* further with a *LOT* less power using CW ... and that you can have several people operating on the satellite at the same time.

With the small satellites of the future, reducing power will become increasingly important.

Is it not more sensible to have 10 x CW/SSB QSO's spread out over the transponder instead of just one single FM one ??.

On the Amsat-BB there have been complaints that the linear satellites are underused ... particularly FO-29. I don't know whether this is due to the no-code issue ... probably so.

Most of my generation have alreadt QSY'd to that great shack in the sky.

Hopefully, more and more of the newcomers will realise the advantages of the linear modes.

73 John. (la2qaa@...>

3553. Re: My portable yagi revised...

Yahoo group: eu-amsat
Date: 2010-06-18 20:23:01 UTC
From: Al
Topic: 3550 Message: 3553

--- In eu-amsat@yahoogroups.com, "LA2MOA" <hans.ostnell@...> wrote:
>
> Group,
>
> For a while, I've been using a "Arrow-style" portable yagi, which basically is made of 2 DK7ZB 50 ohm lightweight yagis. 5 elements on 145 MHz, and 9 elements on 435 MHz. Elements attached on a simple boom made of a PVC tube. This has been working fine, on both FM and the linear transponder on VO-52. The last weekend I decided to revise the construction a bit. I wanted to make the antenna sturdier and not so "delicate". I have uploaded some pictures of the result, and you find them in the album named "Portable DK7ZB type II".

Hi Hans. Another possibility is to dispense with the plastic boom completely and use a wooden broom-handle for the boom. Cheape and easily obtained at most hardware shops. For outdoor use, this should be protected from the WX by applying at least three thin coats of yacht varnish. Broom handles are strong and dependable and unlike plastic don't sag. I learned this trick a long time ago from LA2QAA via Oscar News magazine. I normally use hollow aluminium elements, but whatever you have that is conductive will do. I sometimers use copper microbore pipe instead.
Happy antenna building.

73 de Al.
GM1SXX

3554. Re: My portable yagi revised...

Yahoo group: eu-amsat
Date: 2010-06-19 08:06:43 UTC
From: LA2MOA
Topic: 3550 Message: 3554

Hi Al!

Yes, you're completely right about dispensing the PVC-tube completely. The thing is, that I already had the PVC-tube and the clamps, so instead of buying a set of 19 new claps in "broom-stick size" plus a broom-stick, I just bought the broom-stick, hi!

Regarding wooden booms, just wait until I'm finished with my crossyagis for 145 and 435. These are built in "Norwegian wood-style"... 6 x 6 elements on 145, and 10 x 10 elements on 435. Both antennas RHCP and built on 1" x 1" inch booms of the finest Norwegian pine. By the way, I'm using 4 layers of varnish on my booms, hi!

73!

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
>
>
>
>
> --- In eu-amsat@yahoogroups.com, "LA2MOA" <hans.ostnell@> wrote:
> >
> > Group,
> >
> > For a while, I've been using a "Arrow-style" portable yagi, which basically is made of 2 DK7ZB 50 ohm lightweight yagis. 5 elements on 145 MHz, and 9 elements on 435 MHz. Elements attached on a simple boom made of a PVC tube. This has been working fine, on both FM and the linear transponder on VO-52. The last weekend I decided to revise the construction a bit. I wanted to make the antenna sturdier and not so "delicate". I have uploaded some pictures of the result, and you find them in the album named "Portable DK7ZB type II".
>
>
> Hi Hans. Another possibility is to dispense with the plastic boom completely and use a wooden broom-handle for the boom. Cheape and easily obtained at most hardware shops. For outdoor use, this should be protected from the WX by applying at least three thin coats of yacht varnish. Broom handles are strong and dependable and unlike plastic don't sag. I learned this trick a long time ago from LA2QAA via Oscar News magazine. I normally use hollow aluminium elements, but whatever you have that is conductive will do. I sometimers use copper microbore pipe instead.
> Happy antenna building.
>
> 73 de Al.
> GM1SXX

>

3555. Re: My portable yagi revised...

Yahoo group: eu-amsat
Date: 2010-06-19 08:52:48 UTC
From: Al
Topic: 3550 Message: 3555

--- In eu-amsat@yahoogroups.com, "LA2MOA" <hans.ostnell@...> wrote:
>
> Hi Al!
> Regarding wooden booms, just wait until I'm finished with my crossyagis for 145 and 435. These are built in "Norwegian wood-style"... 6 x 6 elements on 145, and 10 x 10 elements on 435. Both antennas RHCP and built on 1" x 1" inch booms of the finest Norwegian pine. By the way, I'm using 4 layers of varnish on my booms, hi!
>

Hi Hans,
Being Scottish, I have a great aversion to spending money on 'aerials' as they are known in the UK. Almost all of my aerials are DIY jobs made from scrap materials and work very well for me. Only fairly recently I obtained a second-hand MFJ-259B antenna analyser, which I'm glad to say tells me that I correctly guessed my element sizes and spacings well in the majority of my aerials. At our local radio club, I now have a number of people building their own aerials with a good success rate. I had never heard of 'wooden aerials' until I came across 'Observations from Norway' by LA2QAA, which changed my way of thinking about aerials in particular!. I've also built a few of Jerry Brown K5OE's designs, with timber rather than plastic tube, and I've met Jerry in person. I have a wooden version of his 70Cms Quagi in my attic ...no varnish at all, just bare timber I salvaged from a skip! Have fun with your DIY aerials. Building aerials can be very educational. I have one commercially made aerial, a 'white stick' colinear. I bought that one to replace a DIY version that looked like a large white banana, having been bent by repeated gales. It still worked 100% but looked bad! Unfortunately I could not find a local supplier of sturdy fibreglass tube, so I was forced to *buy* a replacement. It hurt for a long time.. spending money on aerials!

73 Al.
GM1SXX

3556. HO-68 weekly schedule.

Yahoo group: eu-amsat
Date: 2010-06-19 14:26:29 UTC
From: John Hackett
Topic: 3556 Message: 3556

```
ALL TIMES UTC:

20 June 2010
================================
16:10...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
16:55...Turn Off

18:00...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
18:45...Turn Off

22:05...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
22:50...Turn Off

21 June 2010
================================
00:55...Turn On--FM/PACSAT
South America,NA,North Asia
01:40...Turn Off

01:49...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:04...Turn Off

02:45...Turn On--FM/PACSAT
South America,NA,North Asia
13:30...Turn Off

17:45...Turn On--FM/PACSAT
Africa,Europe,NA
18:30...Turn Off

22 June 2010
================================
23:35...Turn On--FM/PACSAT
South America,NA,North Asia
00:20...Turn Off

00:40...Turn On--FM/PACSAT
South America,NA,North Asia
01:25...Turn Off

03:20...Turn On--FM/PACSAT
North Asia, East Asia, South Asia
```

03:36...Turn Off

09:45...Turn On--FM/PACSAT
Oceania,Asia,Europe
10:30...Turn Off

12:25...Turn On--FM/PACSAT
NA,Europe,Africa,South America
13:10...Turn Off

17:25...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:10...Turn Off

18:55...Turn On--FM/PACSAT
Africa,Europe,NA
19:40...Turn Off

23 June 2010
==========
02:58...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:14...Turn Off

11:10...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
11:55...Turn Off

13:55...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
14:40...Turn Off

17:10...Turn On--FM/PACSAT
Africa,Europe,NA
17:55...Turn Off

23:00...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
23:45...Turn Off

24 June 2010
==========
02:43...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:58...Turn Off

06:15...Turn On--FM/PACSAT
NA,North Asia,Middle East,
Europe,Africa
07:00...Turn Off

09:10...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA

09:55...Turn Off

13:35...Turn On--FM/PACSAT
Europe,NA,South America
14:20...Turn Off

16:50...Turn On--FM/PACSAT
Africa,India,Middle East,Europe,NA
17:35...Turn Off

18:40...Turn On--FM/PACSAT
Africa,Europe,NA
19:25...Turn Off

22:40...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
23:25...Turn Off

25 June 2010
==========
02:26...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:42...Turn Off

10:40...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
11:25...Turn Off

13:20...Turn On--FM/PACSAT
Europe,NA,South America
14:05...Turn Off

16:35...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:20...Turn Off

22:25...Turn On--FM/PACSAT
South America,Africa,NA,
Europe,North Asia,East Asia
23:10...Turn Off

26 June 2010
==========
01:15...Turn On--FM/PACSAT
South America,NA,North Asia
02:00...Turn Off

02:09...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:25...Turn Off

10:25...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA

11:10...Turn Off

13:05...Turn On--FM/PACSAT
Europe,NA,South America
13:50...Turn Off

16:15...Turn On--FM/PACSAT
Africa,Europe,NA
17:00...Turn Off

27 June 2010
==========
23:55...Turn On--FM/PACSAT
South America,NA,North Asia
00:40...Turn Off

01:57...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:12...Turn Off

05:25...Turn On--FM/PACSAT
North Asia,Europe,Africa
06:10...Turn Off

12:45...Turn On--FM/PACSAT
Europe,NA,South America
13:30...Turn Off

16:00...Turn On--CW/SSB
India,West Asia,Africa,Europe,NA
16:45...Turn Off

17:50...Turn On--CW/SSB
India,West Asia,Africa,Europe,NA
18:35...Turn Off

3557. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-19 15:00:51 UTC
From: WILLIAMS M
Topic: 3530 Message: 3557

GM1SXX Said:

"It's interesting that in most ways,the US has doggedly retained the Imperial over the SI system of units. Even the US Space Shuttle is imperial....all measurements are in inches. I'm informed that the only metric thing America favours in the 9mm, and I guess that's probably true ;-)"

This is an incorrect statement.

Since it operates in a world market, America's industry and business has converted to metric for quite some time.

It's the public area where there is a failure to change. For example, the local market sells soft drink by one liter bottles, but milk still comes in one gallon bottles. Highway distance is still miles. I tried to purchase an 8mm drill bit at a local big box store. They only stocked imperial sizes. I had to purchase it on EBay.

Sometimes I think that the USA should switch over just like it did for digital TV. But think of the effort required to change all the signs in a country of 300 million people with a vast highway system. It would probably be undertaken one state at a time.

It's certainly much easier to home brew antennas using metric.

One thing is certain, my imperial socket set works on absolutly nothing any more. I have to use my metric sockets with (of course) a 1/4 inch driver to work on about everything.

With all the problems we got going here, this conversion is way down the list.

I would like to see it happen.

Regards

Mike (K9QHO)

3558. Re: [eu-amsat] Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-19 18:01:56 UTC
From: Thomas Frey
Topic: 3530 Message: 3558

Hello All

If I remember me right, the launch of the first Ariane 5 was failed
because of a confusion between metric and "American" measurements.

AO-40 launches then with Ariane mission 507, VOL 135 (I have a poster
at my shack wall). The world could be easy when ...

WILLIAMS M schrieb:
> GM1SXX Said:
>
> "It's interesting that in most ways,the US has doggedly retained the Imperial over the SI system of units. Even the US Space Shuttle is imperial....all measurements are in inches. I'm informed that the only metric thing America favours in the 9mm, and I guess that's probably true ;-)"
>
> This is an incorrect statement.
>
> Since it operates in a world market, America's industry and business has converted to metric for quite some time.
>
> It's the public area where there is a failure to change. For example, the local market sells soft drink by one liter bottles, but milk still comes in one gallon bottles. Highway distance is still miles. I tried to purchase an 8mm drill bit at a local big box store. They only stocked imperial sizes. I had to purchase it on EBay.
>
> Sometimes I think that the USA should switch over just like it did for digital TV. But think of the effort required to change all the signs in a country of 300 million people with a vast highway system. It would probably be undertaken one state at a time.
>
> It's certainly much easier to home brew antennas using metric.
>
> One thing is certain, my imperial socket set works on absolutly nothing any more. I have to use my metric sockets with (of course) a 1/4 inch driver to work on about everything.
>
> With all the problems we got going here, this conversion is way down the list.
>
> I would like to see it happen.
>
> Regards
>
> Mike (K9QHO)
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3559. Re: Cycles and Hertz

Yahoo group: eu-amsat
Date: 2010-06-19 18:02:42 UTC
From: Al
Topic: 3530 Message: 3559

Hi Mike,

--- In eu-amsat@yahoogroups.com, "WILLIAMS M" <k9qho6762@...> wrote:
>
> GM1SXX Said:
>
> "It's interesting that in most ways,the US has doggedly retained the Imperial over the SI system of units. Even the US Space Shuttle is imperial....all measurements are in inches. I'm informed that the only metric thing America favours in the 9mm, and I guess that's probably true ;-)"
>
> This is an incorrect statement.
>
> Since it operates in a world market, America's industry and business has converted to metric for quite some time.
>

Well Mike, you do make a very valid point there. My understanding is that in the US, like here, new products, and of course especially imports from 'metric' countries like China and Japan *are* forcing change, but change at home, in industry, from Imperial to metric, takes time... and a lot of money. Imported consumer goods undoubtedly drive change faster than other areas which can be burdened by often costly legacy equipment. I work in in a college in IT support, and in our engineering department, imperial sized things still abound, simply because of the cost incurred in going metric. We still have plenty of imperial sized nuts and bolts and machinery etc, alongside the metric ones. In my own business (IT), everything went metric a long time ago. It had to.

I'm a keen watcher of all things space-related, and one thing that interested me was is that the NASA ARES demonstration launch was really only possible because legacy shuttle parts(imperial not metric) were available to do it with. Sure, they had to manufacture some new stuff, but it was essentially shuttle derived hardware in most part, and therefore imperial, and not a slave to the SI system of units.... but this is getting way off topic now.

73 Al.
GM1SXX

3560. DX News.

Yahoo group: eu-amsat
Date: 2010-06-21 08:43:18 UTC
From: John Hackett
Topic: 3560 Message: 3560

DX NEWS.

NB.

Please remember, The EU Amsat group has members on all continents except South America,

so if a particular station is not in *YOUR* footprint, don't whinge, he'll be in somebody else's.

Tomorrow (22 June) will be the last day of operation for ZD8DC - but he may be back on

Ascension later in the year.

ZS6KX is now in Zimbabwe operating as Z21HLT but is limited to FM only so will be out of

range of Europe. ZR6DEA is planning a trip to Botswana this week but it's not known how far

north he is going and whether he will work FO-29 and AO-7 on this trip.

Sid ET3SID was heard calling on AO-7 this morning.

Reported by Hal ZS6WB.

73 John. <la2qaa@...>

3561. Re: [amsat-bb] Re: SO-67 back on air!

Yahoo group: eu-amsat
Date: 2010-06-21 20:34:09 UTC
From: Luc Leblanc
Topic: 3561 Message: 3561

On 21 Jun 2010 at 20:01, Eric Knaps, ON4HF wrote:

Date sent: Mon, 21 Jun 2010 20:01:28 +0200
From: "Eric Knaps, ON4HF" <on4hf@...>
Subject: [amsat-bb] Re: SO-67 back on air!
To: Jan-Albert Koekemoer <jan.koekemoer@...>
Copies to: Gladys Magagula <GMagagula@...>, amsat-bb@...,
Hans van de Groenendaal <hans@...>, sumbandila@...

> Hi there,
>
> Do you really think that the European alligators will wait for 3 seconds?
>
>

I spend my summer last 5 hollidays in a place where alligators are present but they are not causing too much harm as their human
counterparts does not.

I feel human race is intelligent but often misinformed and often on purposed...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3562. Balloon mission done by Austrian hams

Yahoo group: eu-amsat
Date: 2010-06-22 11:15:46 UTC
From: William L
Topic: 3562 Message: 3562

Hi AMSATs,

Last weekend there was a balloon mission done by Austrian hams.
It did have a linear transponder onboard, which is very known to me ;-)

More details can be found on their website:
http://www.oevsv.at/opencms/modules/news/20100621_ballon_passepartout_5_nachlese_2010_graz.html?uri=/index.html

For the hams who missed this mission... next weekend at the ham radio 2010 event in Friedrichshafen there will be another balloon mission.

73 de PE1RAH,
William Leijenaar
www.leijenaarelectronics.nl

3563. Re: Balloon mission done by Austrian hams

Yahoo group: eu-amsat
Date: 2010-06-22 14:22:34 UTC
From: Al
Topic: 3562 Message: 3563

--- In eu-amsat@yahoogroups.com, "William L" <pe1rah@...> wrote:
>
> Hi AMSATs,
>
> Last weekend there was a balloon mission done by Austrian hams.
> It did have a linear transponder onboard, which is very known to me ;-)

Yes' I'm pretty sure I have seen pictures of one of these before. ;-)
Now I just need to read the web pages in English... that should help me.
It looks like it went well. I do think ARTOB's are a great idea for testing new technology.

73 Al.
GM1SXX

3564. Re: [eu-amsat] Re: Balloon mission done by Austrian hams

Yahoo group: eu-amsat
Date: 2010-06-23 11:47:58 UTC
From: Thomas Frey
Topic: 3562 Message: 3564

Al schrieb:
>
> --- In eu-amsat@yahoogroups.com, "William L"<pe1rah@...> wrote:
>
>> Hi AMSATs,
>>
>> Last weekend there was a balloon mission done by Austrian hams.
>> It did have a linear transponder onboard, which is very known to me ;-)
>>
>
> Yes' I'm pretty sure I have seen pictures of one of these before. ;-)
> Now I just need to read the web pages in English... that should help me.
> It looks like it went well. I do think ARTOB's are a great idea for testing new
technology.
>
> 73 Al.
> GM1SXX
>
>
>

http://www.southgatearc.org/news/june2010/linear_transponder_flight.htm

I will be at Friday 25th in Friedrichshafen. We can met us at 12.00
CEST/MESZ at the booth from AMSAT-DL.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3565. IARU International Amateur Radio Satellite Forum

Yahoo group: eu-amsat
Date: 2010-06-24 09:05:45 UTC
From: m5aka
Topic: 3565 Message: 3565

The IARU International Amateur Radio Satellite Forum will this year be held in conjunction with the AMSAT-UK Colloquium which takes place in Guildford, England on the weekend of July 31 - Aug 1.

The forum, chaired by IARU Amateur Satellite Advisor Hans van de Groenendaal ZS6AKV, takes place on the Sunday morning.

On the Agenda is a report back on the activities of the IARU Satellite Adviser and his Advisory Panel.

There will be a brief presentation covering the ITU notification requirements for satellites operating in the amateur service and the requirement to be able disable transmissions should the signals interfere with other users of the radio spectrum.

The forum is open to all delegates at the colloquium.

Colloquium Info: http://www.uk.amsat.org/colloquium/

---

73 Trevor M5AKA

3566. Hamfest helper

Yahoo group: eu-amsat
Date: 2010-06-24 14:13:56 UTC
From: Luc Leblanc
Topic: 3566 Message: 3566

You are tired to walk endlessly again and again around the tables here is an innovation The Hamfest helper for you

http://www.flixxy.com/honda-u3-x-personal-mobility-device.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3567. Rotor control

Yahoo group: eu-amsat
Date: 2010-06-27 09:21:50 UTC
From: Jon
Topic: 3567 Message: 3567

Hi all, now I've got the antennas working how I want them (at last) I want to computer control them so which is the best controler to build, (best probably meaning cheapest and easiest) as my electronic skills are not the best in the world.
I use the PCSAT32 software if that makes a difference.
Thanks Jon G7TZZ

3568. Re: [eu-amsat] Rotor control

Yahoo group: eu-amsat
Date: 2010-06-27 14:15:58 UTC
From: codrut buda
Topic: 3567 Message: 3568

Hi Jon,

Take a look over ERC controllers from
http://www.schmidt-alba.de/English/english.html

73, Codrut - YO3DMU

--- On Sun, 6/27/10, Jon <jon.eyre@...> wrote:

From: Jon <jon.eyre@...>
Subject: [eu-amsat] Rotor control
To: eu-amsat@yahoogroups.com
Date: Sunday, June 27, 2010, 4:21 AM

Hi all, now I've got the antennas working how I want them (at last) I want to computer control them so which is the best controler to build, (best probably meaning cheapest and easiest) as my electronic skills are not the best in the world.
I use the PCSAT32 software if that makes a difference.
Thanks Jon G7TZZ

Yahoo! Groups Links

3569. Re: [eu-amsat] Rotor control

Yahoo group: eu-amsat
Date: 2010-06-27 15:13:15 UTC
From: Thomas Frey
Topic: 3567 Message: 3569

Jon schrieb:
> Hi all, now I've got the antennas working how I want them (at last) I want to computer control them so which is the best controler to build, (best probably meaning cheapest and easiest) as my electronic skills are not the best in the world.
> I use the PCSAT32 software if that makes a difference.
> Thanks Jon G7TZZ
>
>
>

Hello Jon

There are many of controllers for this software. I did a Google search and found this site in the top ranking:

http://www.eham.net/reviews/detail/954

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3570. My HO-68 DX-record!

Yahoo group: eu-amsat
Date: 2010-06-27 18:43:58 UTC
From: LA2MOA
Topic: 3570 Message: 3570

Group,

Despite (deliberate??) QRM and CQ-calling from FÃ□F**, I and Nick KB1RVT in FN34 managed to complete a FM QSO-today at 12:49 UTC. QSO has been confirmed by Nick KB1RVT.

Distance between JP50HW & FN34JK is 5506.18 km (3421.539 miles)

Rig on this end was a FT-817 @ 5W into a turnstile for the 2m uplink and the old trusty FT-470 into another turnstile for the 70cm downlink.

Tuesday this week my antennas for SSB/CW will be up and running. Then I'll be QRV on the linear transponders as well.

Life's too short for QRP? Nope, instead the world is much too small for QRO!

Hans / LA2MOA
JP50hw

3571. HO-68 weekly schedule

Yahoo group: eu-amsat
Date: 2010-06-28 12:11:16 UTC
From: John Hackett
Topic: 3410 Message: 3571

```
ALL TIMES UTC:

27 June 2010
================================
16:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

17:50...Turn On--CW/SSB
Africa,Europe,Middle East,NA
18:35...Turn Off

19:35...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
20:20...Turn Off

28 June 2010
================================
00:50...Turn On--CW/SSB
South America,NA,North Asia
01:35...Turn Off

01:41...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:53...Turn Off

10:15...Turn On--CW/SSB
Europe,South America,NA,North Asia
11:00...Turn Off

17:30...Turn On--CW/SSB
Africa,Europe,NA
18:15...Turn Off

29 June 2010
================================
23:20...Turn On--CW/SSB
South America,NA,North Asia
00:05...Turn Off

00:30...Turn On--CW/SSB
South America,NA,North Asia
01:15...Turn Off

03:06...Turn On--CW/SSB
North Asia, East Asia, South Asia
```

03:22...Turn Off

09:35...Turn On--CW/SSB
Oceania,Asia,Europe
10:20...Turn Off

12:10...Turn On--CW/SSB
NA,Europe,Africa,South America
12:55...Turn Off

17:15...Turn On--CW/SSB
India,Middle East,Europe,NA
18:00...Turn Off

18:45...Turn On--CW/SSB
Africa,Europe,NA
19:30...Turn Off

30 June 2010
==========
02:54...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:09...Turn Off

09:15...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
10:00...Turn Off

13:45...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
14:30...Turn Off

17:00...Turn On--CW/SSB
Africa,Europe,NA
17:45...Turn Off

22:50...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:35...Turn Off

01 July 2010
==========
02:37...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:52...Turn Off

06:05...Turn On--CW/SSB
NA,North Asia,Middle East,
Europe,Africa
06:50...Turn Off

10:45...Turn On--CW/SSB
Oceania,Asia,Europe,NA

11:30...Turn Off

13:30...Turn On--CW/SSB
Europe,NA,South America
14:15...Turn Off

16:45...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
17:30...Turn Off

18:30...Turn On--CW/SSB
Africa,Europe,NA
19:15...Turn Off

22:30...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:15...Turn Off

02 July 2010
==========
02:15...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:31...Turn Off

10:30...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:15...Turn Off

13:10...Turn On--CW/SSB
Europe,NA,South America
13:55...Turn Off

16:25...Turn On--CW/SSB
India,Africa,Europe,NA
17:10...Turn Off

22:15...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
23:00...Turn Off

03 July 2010
==========
01:10...Turn On--CW/SSB
South America,NA,North Asia
01:55...Turn Off

02:04...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:19...Turn Off

10:15...Turn On--CW/SSB
Oceania,Asia,Europe,NA

11:00...Turn Off

12:55...Turn On--CW/SSB
Europe,NA,South America
13:40...Turn Off

16:10...Turn On--CW/SSB
Africa,Europe,NA
16:55...Turn Off

04 July 2010
==========
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

01:37...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:53...Turn Off

05:10...Turn On--CW/SSB
North Asia,Europe,Africa
05:55...Turn Off

12:40...Turn On--CW/SSB
Europe,NA,South America
13:25...Turn Off
.....

Posted by <la2qaa@amsat.org>

3572. Excellent signals.

Yahoo group: eu-amsat
Date: 2010-06-29 18:05:19 UTC
From: John Hackett
Topic: 3572 Message: 3572

To whom it may concern,
An excellent pass over Europe on HO-68 just now at 290620101722Z.

Excellent downlink signals but no stations in the passband . (unless there was someone at the other end while I was calling CQ).

I'mk beginning to wonder if all the 'linear'' operators have QSY'd to that great QTH in the sky -
or if they've simply thrown in the towel ... and like me, find "599 in JP33WB" - on FM a complete and utter waste of a resource.

Of course, there may be those that find the FM zoo interesting, ie, the 'contest' orientated Ham.

Personally, I find it totally boring - but each to his own.

I just think it's a bit strange since not one single European operator requested FM as the primary mode when I asked for input several weeks ago - yet the 'linear' passband was silent just now.

I fear 'the zoo' style of operating has completely taken over the amateur satellite scene - just like Commander John Brannegan G4IHJ (SK) predicted it would.

The space (as in 'area') required for 'linear' transponders is no longer an excuse - see PE1RAH's
Pico-Ponder ... you can stuff a dozen or so of those in a cubesat - (OK! ... 11).

If FM is *THE* mode of the future a lot of people need to read up on operating proceedure and
the meaning of full duplex.

In South Africa they seem to manage quite well with half duplex and *NO* !!! zoo on FM.

Yes, fewer stations ... but most people agree that quite a few European stations need to learn something about disipline, patience and gentlemanly conduct - not to speak of operating poroceedure.

Yesterday there was some sad character deliberately transmitting a series of dah's on top of two stations in QSO, creating deliberate QRM. Obviously with the intelligence of an ameobe (!).

If they have the necessary equipment to do this why on earth don't they utilise it for something sensibe? ... they could even go as far as to have a QSO !!!.

73 John. <la2qaa@...>

3573. ... and everybody came out to play ...

Yahoo group: eu-amsat
Date: 2010-06-29 19:22:37 UTC
From: John Hackett
Topic: 3573 Message: 3573

Plenty! of stations on the 290620101722Z pass of HO-68.

Maybe my 'whinging' about the earlier pass was just an inconvenient time.

I'll have to try to remember, the world doesn't turn merely on 'my' whim ... but it should !!!.

73 John. <la2qaa@...>

3574. Re: [sarex] Re: Ariss casual phone contacts

Yahoo group: eu-amsat
Date: 2010-06-30 01:32:29 UTC
From: Luc Leblanc
Topic: 3574 Message: 3574

On 29 Jun 2010 at 21:05, AJ9N@... wrote:

Date sent: Tue, 29 Jun 2010 21:05:10 -0400 (EDT)
From: AJ9N@...
Subject: [sarex] Re: Ariss casual phone contacts
To: morsesat@..., patrick@..., sarex@...

> Hi all,
>
> Let me repeat a message that is sent out with every announcement I make
> with regards to ARISS activities and upcoming school contacts:
>
>
> Lately there have been some comments on the various bulletin boards about
> having general contacts or leaving the packet or crossband repeater on.
> Remember that ARISS is a guest onboard the ISS and if the crew elects to not
> turn something on or to operate, then that is their decision. ARISS can
> only suggest; never demand.
> Like I indicate in my announcements. If the crew member is so inclined,
> then they get on the radio.
> As with anything in society, the ISS crew have many different interests
> and a very heavy work load.

I speak about always refurbishing the same stuff and ideas over and over again in a recent AMSAT-BB message... The idea about having the
cross band repeater always turn on was also one of my past post but i was told there was some issues with the equipment who will not permit
unattended use due to some over-heating problem in one rig who does not have a fan to make an air flow around the heatsink as in zero
gravity there is no natural air flow circulation the molecules stays where they are and force ventilation is required.

As i'm not an engineer but how come no one ever think about this before sending an amateur radio rig in space?

Yes i'm second guessing engineers but why we need engineers if we are able to second guess them? It is not their main task to avoid any
second guessing situation?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3575. Milliwatting.

Yahoo group: eu-amsat
Date: 2010-06-30 18:06:40 UTC
From: John Hackett
Topic: 3575 Message: 3575

To whom it may concern,
LA2QAA is now Milliwatting on HO-68 so please listen out for
the Derringer - (a little pistol) - on a downlink of +/- 435.753 CW. I am also
(deliberately)
manual tuning so I hope my 250mW doesn't slide down and QRM you.

To the deliberate QRM'er - don''t bother!! ... (I'll just QRT).

To the alligator SSB'er - spare a thought for the little chap, please.

Thank you.

73 John. <la2qaa@...>

Nota Bena.

Why Milliwatting? ... it's a step down from QRP'ing and requires a little finesse' for
success.

('Anybody' can groan into a microphone with an ERP of 100w).

3576. Milliwatting on HO-68

Yahoo group: eu-amsat
Date: 2010-07-01 17:13:38 UTC
From: John Hackett
Topic: 3576 Message: 3576

Group,
I'd like to publicly thank Laci HA6NM for his excellent operating and for copying my 200mW CW signal on HO-68 on the 1st of July 2010 at 16:50 UTC.

From my locator of JP33WB to Laci's at JN98PB equates to a 'Miles Per Watt' distance of a little
over 9000 miles or 14,000 kilometers.

73 John. <la2qaa@...>

3577. CO-65 in Digi mode

Yahoo group: eu-amsat
Date: 2010-07-01 22:35:54 UTC
From: Thomas Frey
Topic: 3577 Message: 3577

Hello All

In July CO-65 (Cute-1.7+APD II) is in digipeater mode during the
weekends, see http://lss.mes.titech.ac.jp/ssp/cute1.7/blog/
The data speed is 9600 bps and the modulation is GMSK (not FSK!).
I think most of us have not a GMSK-modem. Is there a soundcard software
to demodulate 9600 bps GMSK available for free ?

The uplink is 1267.603 MHz, the downlink 437.475 MHz.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3578. P3E News

Yahoo group: eu-amsat
Date: 2010-07-02 14:25:07 UTC
From: Thomas Frey
Topic: 3129 Message: 3578

Erst in Deutsch, dann in Englisch
First in German, then in English

Achim Vollhardt, DH2VA, berichtete ausf?hrlich an der Jahreshauptversammlung 2010 der AMSAT-DL e.V. ?ber die gemeinsame Machbarkeitsstudie von AMSAT-DL und DLR zu einer Mond- und Marsmission. Basis dieser Studie ist die bereits geflogene AMSAT P3D-Satellitenstruktur. Die Vorstandsmitglieder verbrachten zwei Wochen im CEF (Concurrent Engineering Facility) des DLR in Bremen. Trotz unterschiedlicher Standpunkte zur technischen Projektf?hrung bewertete Achim Vollhardt die Zusammenarbeit mit den Mitarbeitern des DLR als sehr konstruktiv und f?r beide Seiten von grossem Nutzen.

Die Ergebnisse der gemeinsamen Studie wurden Anfang Mai 2010 in einer Abschlusspr?sentation beim DLR in K?ln vorgetragen. Im Beisein von Vertretern der DLR-Programmdirektion stellten Peter G?lzow, DB2OS, und Hartmut P?sler, DL1YDD, gemeinsam mit DLR-Vertretern die Ergebnisse der Studie vor. Die Ergebnisse wurden von allen Beteiligten sehr positiv aufgenommen, eine weitere Zusammenarbeit mit dem DLR wird von beiden Seiten positiv beurteilt und angestrebt. Zum ersten Mal wurde von unabh?ngiger Seite die technische Machbarkeit unserer Marsmission best?tigt.

Peter G?lzow sieht die Ergebnisse der Studie sowie den Dialog mit der Politik als wichtiges Fundament, um die Fertigstellung von P3E voranzutreiben
sowie als gewichtiges Argument f?r zuk?nftige Verhandlungen mit m?glichen Geldgebern und Startbetreibern.

Am AMSAT-DL-Symposium war der Telemetrie- und Kommandobetrieb mit der neuen IHU3 f?r P3E das Thema von Mario Lorenz, DL5MLO. Es gab grosse Fortschritte bei der Weiterentwicklung des IHU3-Bordrechners. IPS l?uft und inzwischen arbeitet Mario intensiv an der Implementierung der Turbo-Codes auf der IHU3. Anhand einer Live-Demo demonstrierte er den Betrieb der IHU3 und dem IPS-Betriebssystem sowie der Robustheit des Turbo-Codes.

Durch einige Kontakte auf politischer Ebene und Bem?hungen um Finanzierung wurden andere konkrete Arbeiten an P3E etwas in den Hintergrund gedr?ngt. Auf Einladung des Koordinators f?r Luft- und Raumfahrt der Bundesrepublik Deutschland, dem parlamentarischen Staatssekret?r Peter Hintze, trafen die Vorstandsmitglieder Peter G?lzow und Hartmut P?sler, sowie AMSAT-DL-Mitglied Wilfried Knauer, im Ministerium f?r Wirtschaft und Technologie in Berlin zu einem zweist?ndigen Informationsgespr?ch zusammen.

In English:

Achim Vollhardt, DH2VA, reported in detail at the Annual General Meeting 2010 from AMSAT-DL about the joint feasibility study by AMSAT-DL and DLR

for lunar and Mars missions. Based on this study is the already flown AMSAT P3D satellite structure. The board members spent two weeks in the CEF (Concurrent Engineering Facility) of DLR in Bremen. Despite different views on the technical project management assessed Dr Achim Vollhardt cooperation with the staff of the DLR as very constructive and mutually very useful.

The results of the study were presented in early May 2010 in a final presentation at the DLR in Cologne. In the presence of representatives of the DLR program Directorate, Peter Guelzow, DB2OS, and Hartmut Paesler, DL1YDD, in cooperation with DLR representatives presented the results of the study. The results have been received by all participants very positive, a further cooperation with the DLR is assessed positively by both sides and sought. For the first time the technical feasibility of our Mars mission became confirmed by an independent side.

Peter Guelzow sees the results of the study and the dialogue with politicians
as an important foundation to the completion of P3E and as a strong argument for future negotiations with potential donors and launch operators.

At the Symposium was the telemetry and command operations with the new IHU3 for P3E the topic of Mario Lorenz, DL5MLO. There was great progress in the advancement of the IHU3-board computer. IPS is running and now Mario is working intensively on the implementation of turbo codes on the IHU3. Using a live demo, he demonstrated the operation of the IHU3 and the IPS operating system and the robustness of the turbo codes.

Because of some contacts at the political level and funding efforts were other concrete work on P3E something pushed into the background. At the invitation of the coordinator for air and space of the Federal Republic Germany, the Parliamentary State Secretary Peter Hintze, met the Board members Peter Guelzow, Hartmut Paesler and AMSAT-DL member Wilfried Knauer the Ministry of Economy and Technology in Berlin to a two-hour information session together.

Wird fortgesetzt...
Will be continued...

Siehe auch / See also:
http://www.amsat-dl.org
http://www.p3e-satellite.org/
http://www.dlr.de

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3579. Friedrichshafen balloon payload found but not reached balloon team

Yahoo group: eu-amsat
Date: 2010-07-02 14:41:15 UTC
From: William L
Topic: 3579 Message: 3579

Hi AMSATs,

I just recently got to know that the balloon that went up with the transponder is still missing.

Please check the news:
http://www.balloonproject.eu/

I hope the person who has the box will give it back soon, so the stored data can be downloaded and the flight was not useless.

Good thing is that on both flights the transponder worked well.
The transponder frequencies can not be changed without the specific programmer and software, so listening on the beacon frequency might be helpfull to find its location.

William, PE1RAH

3580. Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 09:04:20 UTC
From: m5aka
Topic: 3580 Message: 3580

It looks like it may have a linear transponder on it as well.

See
http://www.southgatearc.org/news/july2010/power_line_interference.htm

73 Trevor M5AKA

3581. Re: [eu-amsat] Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 10:48:32 UTC
From: Thomas Frey
Topic: 3580 Message: 3581

m5aka schrieb:
> It looks like it may have a linear transponder on it as well.
>
> See
> http://www.southgatearc.org/news/july2010/power_line_interference.htm
>
> 73 Trevor M5AKA
>
>

Yes, its planned, see http://www.amsatsa.org.za/cubesat.htm

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3582. Scheduling of HO-68

Yahoo group: eu-amsat
Date: 2010-07-04 10:56:42 UTC
From: Thomas Frey
Topic: 3582 Message: 3582

Hello All

I do not understand the scheduling of HO-68. At this moment is an orbit with 40 deg. elevation and strong signals. But only the beacon is switched on ("A A A T T T").

--

Have a nice Sunday, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3583. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 10:55:10 UTC
From: Al
Topic: 3580 Message: 3583

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
> It looks like it may have a linear transponder on it as well.
> See
> http://www.southgatearc.org/news/july2010/power_line_interference.htm
> 73 Trevor M5AKA
>
Hi Group.
I always believed that flying a Linear Transponder was the intention anyway, but what I can't fathom is how a Linear Transponder could actually operate within such a limited power budget. Linear Transponders on larger birds sometimes used HELAPS type PA to improve efficiency but I imagine this wont be the case for this satellite. I wish them luck.

73 Al.
GM1SXX

3584. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 20:24:27 UTC
From: m5aka
Topic: 3580 Message: 3584

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
> I always believed that flying a Linear Transponder was the
> intention anyway, but what I can't fathom is how a Linear
> Transponder could actually operate within such a limited
> power budget.

Hi Al,

As has been mentioned before, these days there is the power budget available on a 1U CubeSat to support a linear transponder, but I don't expect the power budget will support simultaneous operation of the Interference monitoring, APRS and linear transponder.

Lets hope we see many groups developing linear transponder projects.

73 Trevor M5AKA

3585. HO-68 weekly schedule.

Yahoo group: eu-amsat
Date: 2010-07-04 20:38:10 UTC
From: John Hackett
Topic: 3556 Message: 3585

All TIMES UTC.

04 July 2010
==========
16:00...Turn
On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
16:45...Turn
Off

17:40...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
18:25...Turn
Off

19:05...Turn On--FM/PACSAT
NA,North Asia,East
Asia,Oceania
19:50...Turn Off

05 July 2010
==========
00:45...Turn
On--FM/PACSAT
South America,NA,North Asia
01:30...Turn Off

03:13...Turn
On--FM/PACSAT
North Asia,East Asia,South Asia
03:28...Turn Off

11:25...Turn
On--FM/PACSAT
Europe,South America,NA,North Asia
12:10...Turn Off

17:20...Turn
On--FM/PACSAT
Africa,Europe,NA
18:05...Turn Off

23:10...Turn
On--FM/PACSAT
South America,NA,North Asia
23:55...Turn Off

06
July 2010
==========
00:20...Turn
On--FM/PACSAT
South America,NA,North Asia
01:05...Turn Off

02:56...Turn
On--FM/PACSAT
North Asia, East Asia, South Asia
03:12...Turn Off

11:10...Turn
On--FM/PACSAT
Oceania,Asia,Europe
11:55...Turn Off

13:45...Turn
On--FM/PACSAT
NA,Europe,Africa,South America
14:30...Turn Off

17:15...Turn
On--FM/PACSAT
India,Middle East,Europe,NA
18:00...Turn Off

18:35...Turn
On--FM/PACSAT
Africa,Europe,NA
19:20...Turn Off

07 July
2010
==========
02:38...Turn On--FM/PACSAT
North
Asia,East Asia,South Asia
02:53...Turn Off

10:55...Turn
On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
11:40...Turn Off

13:30...Turn
On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
14:15...Turn
Off

16:50...Turn On--FM/PACSAT
Africa,Europe,NA
17:35...Turn
Off

22:40...Turn On--FM/PACSAT
NA,North Asia,East
Asia,Oceania
23:25...Turn Off

08 July 2010
==========
02:21...Turn
On--FM/PACSAT
North Asia,East Asia,South Asia
02:36...Turn Off

05:55...Turn
On--FM/PACSAT
NA,North Asia,Middle East,
Europe,Africa
06:40...Turn
Off

10:35...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
11:20...Turn
Off

13:15...Turn On--FM/PACSAT
Europe,NA,South America
14:00...Turn
Off

16:45...Turn On--FM/PACSAT
Africa,India,Middle
East,Europe,NA
17:30...Turn Off

18:20...Turn On--FM/PACSAT
Africa,Europe,NA
19:05...Turn
Off

22:20...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
23:05...Turn
Off

09 July 2010
==========
02:05...Turn
On--FM/PACSAT

North Asia,East Asia,South Asia
02:21...Turn Off

10:20...Turn
On--FM/PACSAT
Oceania,Asia,Europe,NA
11:05...Turn Off

12:55...Turn
On--FM/PACSAT
Europe,NA,South America
13:40...Turn Off

16:15...Turn
On--FM/PACSAT
India,Africa,Europe,NA
17:00...Turn Off

22:05...Turn
On--FM/PACSAT
South America,Africa,NA,
Europe,North Asia,East
Asia
22:50...Turn Off

10 July 2010
==========
00:55...Turn
On--FM/PACSAT
South America,NA,North Asia
01:40...Turn Off

01:49...Turn
On--FM/PACSAT
North Asia,East Asia,South Asia
02:04...Turn Off

10:05...Turn
On--FM/PACSAT
Oceania,Asia,Europe,NA
10:50...Turn Off

12:45...Turn
On--FM/PACSAT
Europe,NA,South America
13:30...Turn Off

16:00...Turn
On--FM/PACSAT
Africa,Europe,NA
16:45...Turn Off

11 July
2010
==========
23:35...Turn On--FM/PACSAT
South
America,NA,North Asia
00:20...Turn Off

01:20...Turn
On--FM/PACSAT
North Asia,East Asia,South Asia
02:05...Turn Off

05:50...Turn
On--FM/PACSAT
North Asia,Europe,Africa
07:35...Turn Off

12:15...Turn
On--FM/PACSAT
Europe,NA,South America
13:00...Turn Off

3586. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 21:18:34 UTC
From: Al
Topic: 3580 Message: 3586

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
>
> Hi Al,
>
> As has been mentioned before, these days there is the power budget available on a 1U CubeSat to support a linear transponder, but I don't expect the power budget will support simultaneous operation of the Interference monitoring, APRS and linear transponder.
>
> Lets hope we see many groups developing linear transponder projects.
>
> 73 Trevor M5AKA
>
Really? Perhaps you (or others in the group) can explain exactly *how* to me. Last time I checked, the solar irradiance constant was about 1380 watts per square metre. A 100mm CUBE collects very little solar power, and of what it does, around 20% (best case) can be converted to electrical energy. I've done the calculations for a 100mm CUBE and the available power, even with high efficiency cells is abysmally poor. I've never seen a meaningful explanation of how to run an (inefficient) linear transponder from such a limited power source, except for limited intermittent operation.

Remember also that the batteries, BCR and other onboard systems also consume already scarce power resources. I do also remember PE1RAH's LE-005 linear transponder design coming in for some criticism for it's power consumption, which at the time I believed was perfectly reasonable.

I'm sure the group would appreciate a genuine explanation, not just 'smoke and mirrors'. Is intermittent operation planned, depending on power state, or will it be a peanut-power transponder? Plenty of questions... no real answers. A meaningful explanation would be most welcome.

73 Al.
GM1SXX

3587. Re: [eu-amsat] Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-04 21:49:09 UTC
From: Thomas Frey
Topic: 3580 Message: 3587

Al schrieb:
> --- In eu-amsat@yahoogroups.com, "m5aka"<m5aka@...> wrote:
>
>>
>> Hi Al,
>>
>> As has been mentioned before, these days there is the power budget available on a 1U CubeSat to support a linear transponder, but I don't expect the power budget will support simultaneous operation of the Interference monitoring, APRS and linear transponder.
>>
>> Lets hope we see many groups developing linear transponder projects.
>>
>> 73 Trevor M5AKA
>>
>>
> Really? Perhaps you (or others in the group) can explain exactly *how* to me. Last time I checked, the solar irradiance constant was about 1380 watts per square metre. A 100mm CUBE collects very little solar power, and of what it does, around 20% (best case) can be converted to electrical energy. I've done the calculations for a 100mm CUBE and the available power, even with high efficiency cells is abysmally poor. I've never seen a meaningful explanation of how to run an (inefficient) linear transponder from such a limited power source, except for limited intermittent operation.
>
> Remember also that the batteries, BCR and other onboard systems also consume already scarce power resources. I do also remember PE1RAH's LE-005 linear transponder design coming in for some criticism for it's power consumption, which at the time I believed was perfectly reasonable.
>
> I'm sure the group would appreciate a genuine explanation, not just 'smoke and mirrors'. Is intermittent operation planned, depending on power state, or will it be a peanut-power transponder? Plenty of questions... no real answers. A meaningful explanation would be most welcome.
>
>

Hello Al

And when your calculations would be based on deployable solar panels ?
See
http://www.delfic3.nl/index.php?option=com_content&task=view&id=67&Itemid=109

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3588. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-05 08:27:39 UTC
From: Al
Topic: 3580 Message: 3588

> Hello Al
>
> And when your calculations would be based on deployable solar panels ?
> See
> http://www.delfic3.nl/index.php?option=com_content&task=view&id=67&Itemid=109
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____

Well Thomas. I do know about DELFI. I wrote about it some time before it was launched, in OBSERVATIONS, expressing my support for the concept.

Around that time I also suggested that a better power budget could be obtained by wrapping deployable panels around a smaller 'core' containing only the minimum of essential eqipment... transponder, antennas and command system... daylight-only.

Other methods of increasing solar generation area include the matryoshka (Russian Doll) type arrangement of sliding solar-generator sleeves favoured by Intelsat ... scaled to CUBESAT peoportions.

As to power budget, I initially calculated the power budget for a Cubesat (100*100*100mm) since it is the 'cheap' option, but should you go to a Triple CUBESAT (no longer a genuine CUBESA, IMO) the power situation improves, but do remember that DELFI C-3 is a daylight-only bird... no batteries are a good thing anyway in my opinion, because with no battery to consume power, things do look better for flying a Linear Transponder, in addition to the chance of a longer operating life than with a battery powered bird, if the orbit is adequately high. Delfi-C3 was a good idea, that unfortunately didn't deliver for the amateur radio community.

Of course, you then have the equivalent of three CUBESAT launches to pay for, so is it really still an attractive proposition, and would a completely new design not make more sense?

One thing is for sure, the single CUBESAT format is a lousy one for any linear transponder bird. It was never indended for this end purpose. It is like trying to make a silk purse from a sow's ear.

The Triple Cubesat while better, is still far from ideal. Most of the CUBESAT launches are into pretty low orbits anyway, not ideal for a long-lived comsat. Has anyone looked into the cost of launching a 'large lightweight CUBE'? This could made more sense than messing around with the university-driven small CUBESAT format.

If you consider power generation vs spaceframe size, it quickly becomes apparent that using the standard CUBESAT format is like 'painting yourself into a corner'. It's simply not

suited to the job.

73 Al.
GM1SXX

3589. Re: [eu-amsat] Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-05 09:51:15 UTC
From: Thomas Frey
Topic: 3580 Message: 3589

Hello Al and Group

I know, we are in a dilemma. We want to have a HEO satellite with many linear transponders for all bands for zero launch costs. I have exaggerated now. I always come to the conclusion that P3E is the only actual project that comes near this goal.

HO-68 in MEO is also good for DX, but has a lousy scheduling. Why are not both transponders switched on all the time ? Because of a bad power budget ? If yes, why ?

Al schrieb:
>
>
>
>> Hello Al
>>
>> And when your calculations would be based on deployable solar panels ?
>> See
>> http://www.delfic3.nl/index.php?option=com_content&task=view&id=67&Itemid=109
>>
>> --
>>
>> Mit freundlichen Gr?ssen, Regards, 73
>> Thomas Frey, HB9SKA
>> _____
>>
> Well Thomas. I do know about DELFI. I wrote about it some time before it was launched, in OBSERVATIONS, expressing my support for the concept.
>
> Around that time I also suggested that a better power budget could be obtained by wrapping deployable panels around a smaller 'core' containing only the minimum of essential eqipment... transponder, antennas and command system... daylight-only.
>
> Other methods of increasing solar generation area include the matryoshka (Russian Doll) type arrangement of sliding solar-generator sleeves favoured by Intelsat ... scaled to CUBESAT peoportions.
>
> As to power budget, I initially calculated the power budget for a Cubesat (100*100*100mm) since it is the 'cheap' option, but should you go to a Triple CUBESAT (no longer a genuine CUBESA, IMO) the power situation improves, but do remember that DELFI C-3 is a daylight-only bird... no batteries are a good thing anyway in my opinion, because with no battery to consume power, things do look better for flying a Linear Transponder, in addition to the chance of a longer operating life than with a battery powered bird, if the

orbit is adequately high. Delfi-C3 was a good idea, that unfortunately didn't deliver for the amateur radio community.
>
> Of course, you then have the equivalent of three CUBESAT launches to pay for, so is it really still an attractive proposition, and would a completely new design not make more sense?
>
> One thing is for sure, the single CUBESAT format is a lousy one for any linear transponder bird. It was never indended for this end purpose. It is like trying to make a silk purse from a sow's ear.
>
> The Triple Cubesat while better, is still far from ideal. Most of the CUBESAT launches are into pretty low orbits anyway, not ideal for a long-lived comsat. Has anyone looked into the cost of launching a 'large lightweight CUBE'? This could made more sense than messing around with the university-driven small CUBESAT format.
>
> If you consider power generation vs spaceframe size, it quickly becomes apparent that using the standard CUBESAT format is like 'painting yourself into a corner'. It's simply not suited to the job.
>
> 73 Al.
> GM1SXX
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3590. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-05 11:13:38 UTC
From: Al
Topic: 3580 Message: 3590

Hi Group.

For anyone who wants to roll a few numbers around, here are some of mine, including some necessary assumptions.

1) Solar Irradiance Constant. 1380W/square metre.
It used to be quoted as 1440 when I was younger... how 'facts' change :-)

2) One square metre contains 10,000 square centimetres... ergo one square centimetre of area 'sees' 0.138Watts of energy when plane to the sun.

3) A CUBESAT has facets of 100 square centimetres in area, ergo a complete facet 'sees' at most, 100*0.138W, or 13.8 watts energy, but ONLY when directly facing the sun.

Sounds good? Err no, it's not.

4)Here I make the assumption that a typical CUBESAT fact has 80 rather than 100 square CMs of solar generator area (based on what I've seen with real CUBESATs). They need to clear the launch rails.

Still awake?

5) Now we are down to 11.04Watts on the 'useful generating area' of a 'side' facet directly looking at the sun.

6) Now an assumption....The efficiency of a good solar cell is around 20% (yes I know this can be bettered, but would it be in reality?)

7) Now we are down to 2.2 Watts.

8) Satellites spin, so in reality, the average power would be rather higher than this, because multiple facets may be partially illuminated ... so perhaps in the low 3watt region (my assumption).

9) If you include a battery, it requires to be charged, energy subtacted directly from the available power. It's also rather inefficient in converting electricity to chemical changes, and back.
Batteries also have a little reliability issue... being wet chemistry, they inevitably fail given enough time.

Note, From the above, I've omitted the additional losses due to obstructions on the panel facets (bond wires etc) and the losses inherent in the BCR.

You can have some fun doing your own 'back of the beermat' calculations, but I've tried to outline here, in *very* simple terms, the limitations of the Cubesat format.

With some of the new high efficiency solar cells, these figures could easily be bettered, but the available power won't increase by a great deal. Look up whats available and have some fun. It's only primary school arithmetic at this level. In reality it's not so simple

as this to model of course, but these mumbers should give anyone who is still awake a handle on the power issue with CUBESATs. I'd welcome comments please.

73 Al.

3591. HO-68

Yahoo group: eu-amsat
Date: 2010-07-05 11:32:30 UTC
From: Al
Topic: 3580 Message: 3591

Thomas said...

> HO-68 in MEO is also good for DX, but has a lousy scheduling. Why are not both transponders switched on all the time ? Because of a bad power budget ?
> If yes, why ?

Lousy scheduling for whom?
I believe the CAMSAT team is still in the commissioning phase for the bird. Time will tell if they switch on both transponders. I suspect they will not. There are just too many 'alligators' in Europe... trying to run down the battery. Given that, their current strategy probably makes sense. I think they are being 'careful' with their new bird.

73 Al.
GM1SXX

3592. Re: [sarex] Upcoming ARISS Contact Schedule as of 2010-07-07 02:00 UTC

Yahoo group: eu-amsat
Date: 2010-07-07 03:04:54 UTC
From: Luc Leblanc
Topic: 3592 Message: 3592

```
>
> IN LIGHT OF SOME COMMENTS THAT HAVE APPEARED RECENTLY ON THE VARIOUS
> BULLETIN
> BOARDS; THE COMMENTS BELOW STILL HOLD TRUE:
> ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
> +++
> Lately there have been some comments on the various bulletin boards about
> having general contacts or leaving the packet or crossband repeater on.
> Remember that ARISS is a guest onboard the ISS and if the crew elects to not
> turn something on or to operate, then that is their decision. ARISS can
> only suggest; never demand.
> ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
> +++
>
```

IN LIGHT OF WHAT I PREVIOUSLY WROTE THE COMMENTS BELOW STILL HOLD TRUE:

I speak about always refurbishing the same stuff and ideas over and over again in a recent AMSAT-BB message... The idea about having the
cross band repeater always turn on was also one of my past post but i was told there was some issues...Probably mistaken on purpose on technical issues but it is now obvious it is a lack of will and leadership in the ARISS
program management.

AND WHAT IT IS EVEN MORE TRUE IS THAT SAREX IS DRIFTING TOWARDS THE SAME AMSAT-BB CENSORSHIP WHO DOES NOT ALLOW ANY COMMENTING WHO IS NOT
IN LINE WITH AMSAT-BB INTEREST...

YOU DON'T BELIEVE IT I JUST CROSS POSTED THIS ONE TO THE EU-AMSAT YAHOO DISCUSSING GROUP JUST CHECK IF YOU CAN READ IT ON THE AMSAT-BB
AND/OR SAREX BB!!!...

I DON'T KNOW WHY SO MANY US CITIZEN DIED FOR KEEPING LIBERTIES WHEN THEIR SONS ARE NOT EVEN RESPECTING THEIR WILL?

AS AN INTERNATIONAL ORGANISATIONI ARISS WHO IS NOW MAINLY CONCERNED WITH ARISS OPERATION ABOARD THE INTERNATIONAL SPACE STATION THEY SHOULD
NOT PUT THE SAREX-BB CENSORED UNDER THE " ACCEPTABLE USE POLICY FOR THE AMSAT PUBLIC MAILING LIST" IMHO.

You can throw a lot of cash in a bucket but if your bucket is dripping you will only be focused on patching the holes...is this is telling
you something!!! AMSAT-NA return on space program and the adjoining DARA dollar for dollar hole patching effort...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3593. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-07 21:14:51 UTC
From: m5aka
Topic: 3580 Message: 3593

Hi Al,

It looks like we're almost in agreement.

24% efficiency is easily achievable these days but clearly after a number of years in space they'll degrade and probably give the figures in your estimate. One day perhaps the 40% efficient cells will come down to a reasonable price but not I think for many years.

With the power available you then have three choices:
1) No battery, transponder only operates when CubeSat is illuminated
2) Use a battery, run less power output, CubeSat limited by life of battery maybe 5+ years
3) The CubeSat starts off with battery power and switches to solar power only when the battery fails

In all cases you need to design the transponder to minimize power consumption.

As Thomas pointed out you can gain even more power by having hinged panels.

73 Trevor M5AKA

3594. Re: [eu-amsat] Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-07 22:26:47 UTC
From: Thomas Frey
Topic: 3580 Message: 3594

m5aka schrieb:
> Hi Al,
>
> It looks like we're almost in agreement.
>
> 24% efficiency is easily achievable these days but clearly after a number of years in space they'll degrade and probably give the figures in your estimate. One day perhaps the 40% efficient cells will come down to a reasonable price but not I think for many years.
>
> With the power available you then have three choices:
> 1) No battery, transponder only operates when CubeSat is illuminated
> 2) Use a battery, run less power output, CubeSat limited by life of battery maybe 5+ years
> 3) The CubeSat starts off with battery power and switches to solar power only when the battery fails
>
> In all cases you need to design the transponder to minimize power consumption.
>
> As Thomas pointed out you can gain even more power by having hinged panels.
>
> 73 Trevor M5AKA
>
>
>
>

Hello Trevor and Al

AMSAT-NA, Binghamton University, State University of New York (SUNY)
and IBM's Heritage Corridor Center for Advanced Studies will build
the NextGen CubeSat with Super capacitors instead of batteries. Would
this help ?

The transponder will be a linear one in DSP technique. I don't know of
an internet site with infos but there is a video available:
http://media.wmfd.com/amsat/SUNY_2010_forum.wmv

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3595. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-07 23:11:18 UTC
From: m5aka
Topic: 3580 Message: 3595

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> AMSAT-NA, Binghamton University, State University of New York (SUNY)
> and IBM's Heritage Corridor Center for Advanced Studies will build
> the NextGen CubeSat with Super capacitors instead of batteries.
> Would this help ?

I'll watch that with interest, it'll be the first time SuperCaps have been flown on an Amateur satellite, in fact that may never have been flown in space before. Does anyone know if they have ?

> The transponder will be a linear one in DSP technique.

That's derived from the one on ARISSAT-1. While DSP Linear transponder cure the "Alligator" problem that add an overhead in terms of power consumption. The most efficient amateur DSP 435/145 transponder I know of still used an extra 300mw over what a convention linear transponder would consume. I believe the DSP transponder used for ARISSAT-1 has a far higher overhead than that.

For the NextGen that doesn't matter so much because it's a 3U CubeSat so has a lot more solar power available but DSP wouldn't be feasible on a smaller 1U CubeSat.

73 Trevor M5AKA

3596. OSCAR News Archive CD

Yahoo group: eu-amsat
Date: 2010-07-08 08:37:36 UTC
From: m5aka
Topic: 3596 Message: 3596

OSCAR News is the official journal of AMSAT-UK and all 47 issues published from 2000-2009 are now available on CD.

Containing more than 2000 pages of information about amateur satellites ranging from homebrew electronics projects to scientific papers, this archive offers an intriguing insight into the development of amateur radio satellites during a fast moving decade.

The CD can be ordered online from

http://www.tinyurl.com/on-archive-2000/

AMSAT-UK
http://www.uk.amsat.org/

---
73 Trevor M5AKA

3597. OSCAR News Archive CD

Yahoo group: eu-amsat
Date: 2010-07-08 08:41:47 UTC
From: m5aka
Topic: 3596 Message: 3597

OSCAR News is the official journal of AMSAT-UK and all 47 issues published from 2000-2009 are now available on CD.

Containing more than 2000 pages of information about amateur satellites ranging from homebrew electronics projects to scientific papers, this archive offers an intriguing insight into the development of amateur radio satellites during a fast moving decade.

The CD can be ordered online from

http://www.tinyurl.com/on-archive-2000/

AMSAT-UK
http://www.uk.amsat.org/

---
73 Trevor M5AKA

3598. Re: Amateur Satellite to Investigate Power Line Interference

Yahoo group: eu-amsat
Date: 2010-07-08 12:26:36 UTC
From: Al
Topic: 3580 Message: 3598

Hi Group,

Some interesting ideas, but supercaps are still only available in quite small capacitance values (in relative terms). They are ideal for some applications, but I don't think they are yet 'energy-dense' enough to be a practical replacement for batteries... and what would be the advantage anyway? It's still a wet-chemistry technology that will degrade with time, temperature and cycles.

Since these capacitors are still wet-chemistry devices, and nanotechnology based thin-film ones at that, this could bring it's own brand of problems. The dielectric is typically only nanometres thick(1), so what happens when it is bombarded by energetic particles, and don't you think this could be relatively easily tested on the ground first, rather than in space, where a failure is pretty serious? I've never really understood why so many new technologies are being tried in space when they can be more cheaply and easily be tested on the ground, in vacuum / thermovac chambers and by dosing them with ionising radiation from conventional industrial radiography sources. OK, I *do* understand there are very energetic particles that can't be replicated in this way, but the Earth's atmosphere doesn't stop these particles either, so they could be 'tested' on the ground!

DSP should make it possible to contend with the inevitable alligators and with care could also 'slim-down' the transponder downlink power requirements by averaging and selective filtering. It does look like DSP has a good future with linear transponders, and particularly on bigger craft.

I'm not so sure about DSP *not* being applicable to a 1U CUBE. If anything a linear CUBE stands to benefit most from DSP technology, if the power consumption can be tamed. 300mw for the DSP sounds good, especially if you don't need to charge a battery also. Just bin the battery and fly DSP instead, for a sunlight-only and alligator-free long lived ... limited by orbital altitude, mission. With a CUBESAT, that sounds like a sensible option to me.

73 Al.
(1) http://en.wikipedia.org/wiki/Electric_double-layer_capacitor
---
--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
> > AMSAT-NA, Binghamton University, State University of New York (SUNY)
> > and IBM's Heritage Corridor Center for Advanced Studies will build
> > the NextGen CubeSat with Super capacitors instead of batteries.
> > Would this help ?
>
> I'll watch that with interest, it'll be the first time SuperCaps have been flown on an Amateur satellite, in fact that may never have been flown in space before. Does anyone know if they have ?
>

> > The transponder will be a linear one in DSP technique.
>
> That's derived from the one on ARISSAT-1. While DSP Linear transponder cure the "Alligator" problem that add an overhead in terms of power consumption. The most efficient amateur DSP 435/145 transponder I know of still used an extra 300mw over what a convention linear transponder would consume. I believe the DSP transponder used for ARISSAT-1 has a far higher overhead than that.
>
> For the NextGen that doesn't matter so much because it's a 3U CubeSat so has a lot more solar power available but DSP wouldn't be feasible on a smaller 1U CubeSat.
>
> 73 Trevor M5AKA
>

3599. When Kilofarads just ain't enough.

Yahoo group: eu-amsat
Date: 2010-07-08 14:50:12 UTC
From: Al
Topic: 3580 Message: 3599

Hi Group.

Would anyone willingly swap an electrochemical battery for a device that only offers a fifth to a tenth of the capacity.. and with other added problems? The 'battery university' has some interesting info on supercapacitors.
http://www.batteryuniversity.com/partone-8.htm

73 Al.

3600. Re: [eu-amsat] When Kilofarads just ain't enough.

Yahoo group: eu-amsat
Date: 2010-07-09 09:44:52 UTC
From: Luc Leblanc
Topic: 3580 Message: 3600

> Hi Group.
>
> Would anyone willingly swap an electrochemical battery for a device that only offers a fifth to a tenth of the capacity.. and with other added problems? The 'battery university' has some interesting info on supercapacitors.
> http://www.batteryuniversity.com/partone-8.htm
>
> 73 Al.
>
>
Could be supercapacitors can be used in some sort of combo pack to charge batteries when the satellite is in eclipse?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3601. Re: [eu-amsat] When Kilofarads just ain't enough.

Yahoo group: eu-amsat
Date: 2010-07-09 10:11:48 UTC
From: Thomas Frey
Topic: 3580 Message: 3601

Luc Leblanc schrieb:
>
>> Hi Group.
>>
>> Would anyone willingly swap an electrochemical battery for a device that only offers a fifth to a tenth of the capacity.. and with other added problems? The 'battery university' has some interesting info on supercapacitors.
>> http://www.batteryuniversity.com/partone-8.htm
>>
>> 73 Al.
>>
>>
>>
> Could be supercapacitors can be used in some sort of combo pack to charge batteries when the satellite is in eclipse?
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
Where is the power then ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3602. HO-68 weekly schedule.

Yahoo group: eu-amsat
Date: 2010-07-10 11:56:44 UTC
From: John Hackett
Topic: 3556 Message: 3602

```
ALL TIMES UTC.

11 July 2010
================================
17:25...Turn On--SSB/CW
India, Africa, Middle East,
Europe,NA
18:10...Turn Off

20:40...Turn On--SSB/CW
Africa,Europe,Middle East,NA
21:25...Turn Off

12 July 2010
================================
00:25...Turn On--SSB/CW
South America,NA,North Asia
01:10...Turn Off

03:07...Turn On--SSB/CW
North Asia,East Asia,South Asia
03:22...Turn Off

15:00...Turn On--SSB/CW
Oceania,India,South Asia,
Middle East,Europe,North Asia
15:45...Turn Off

17:10...Turn On--SSB/CW
Africa,Europe,NA
17:55...Turn Off

23:00...Turn On--SSB/CW
South America,NA,North Asia
23:45...Turn Off

13 July 2010
================================
01:55...Turn On--SSB/CW
South America,NA,North Asia
02:40...Turn Off

02:48...Turn On--SSB/CW
North Asia, East Asia, South Asia
03:03...Turn Off
```

11:00...Turn On--SSB/CW
Oceania,Asia,Europe
11:45...Turn Off

13:40...Turn On--SSB/CW
NA,Europe,Africa,South America
14:25...Turn Off

16:50...Turn On--SSB/CW
India,Middle East,Europe,NA
17:35...Turn Off

18:25...Turn On--SSB/CW
Africa,Europe,NA
19:10...Turn Off

14 July 2010
==========
02:29...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:44...Turn Off

10:45...Turn On--SSB/CW
Oceania,East Asia,North Asia,Europe
11:30...Turn Off

13:25...Turn On--SSB/CW
Oceania,East Asia,North Asia,Europe
14:10...Turn Off

16:25...Turn On--SSB/CW
Africa,Europe,NA
17:10...Turn Off

22:30...Turn On--SSB/CW
NA,North Asia,East Asia,Oceania
23:15...Turn Off

15 July 2010
==========
02:12...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:28...Turn Off

05:40...Turn On--SSB/CW
NA,North Asia,Middle East,
Europe,Africa
06:25...Turn Off

10:25...Turn On--SSB/CW
Oceania,Asia,Europe,NA
11:10...Turn Off

13:05...Turn On--SSB/CW
Europe,NA,South America
13:50...Turn Off

16:20...Turn On--SSB/CW
Africa,India,Middle East,Europe,NA
17:05...Turn Off

18:10...Turn On--SSB/CW
Africa,Europe,NA
18:55...Turn Off

22:10...Turn On--SSB/CW
Oceania,Asia,Europe,NA
22:55...Turn Off

16 July 2010
==========
01:57...Turn On--SSB/CW
North Asia,East Asia,South Asia
02:13...Turn Off

10:10...Turn On--SSB/CW
Oceania,Asia,Europe,NA
10:55...Turn Off

12:50...Turn On--SSB/CW
Europe,NA,South America
13:35...Turn Off

16:00...Turn On--SSB/CW
India,Africa,Europe,NA
16:45...Turn Off

21:55...Turn On--SSB/CW
South America,Africa,NA,
Europe,North Asia,East Asia
22:40...Turn Off

17 July 2010
==========
00:45...Turn On--SSB/CW
South America,NA,North Asia
01:30...Turn Off

01:39...Turn On--SSB/CW
North Asia,East Asia,South Asia
01:53...Turn Off

11:40...Turn On--SSB/CW
Oceania,Asia,Europe,NA
12:25...Turn Off

14:20...Turn On--SSB/CW
Europe,NA,South America
15:25...Turn Off

17:35...Turn On--SSB/CW
Africa,Europe,NA
18:20...Turn Off

18 July 2010
==========
23:25...Turn On--SSB/CW
South America,NA,North Asia
00:10...Turn Off

01:22...Turn On--SSB/CW
North Asia,East Asia,South Asia
01:36...Turn Off

06:40...Turn On--SSB/CW
North Asia,Europe,Africa
07:25...Turn Off

14:05...Turn On--SSB/CW
Europe,NA,South America
14:50...Turn Off

3603. PSLV-C15 launched

Yahoo group: eu-amsat
Date: 2010-07-12 09:29:38 UTC
From: Thomas Frey
Topic: 3603 Message: 3603

Hello All

PSLV-C15 with Switzerland's 2nd CubeSat TIsat-1 and Indian StudSat
is launched successfully. See "LATEST NEWS" @ http://www.isro.org/

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3604. Jan King is alive ... long live the King!.

Yahoo group: eu-amsat
Date: 2010-07-13 15:45:40 UTC
From: John Hackett
Topic: 3604 Message: 3604

Hello Al,
I bet you didn't know that AO-7 is orbiting the earth at least !! 200 times a day ... as attested to by the French station that has knocked up more than 2000 contacts this last two months.

I see SV1BSX has also made a few more contacts since I was last on AO-7 - (think about that one).

No kidding!, the state of the log is idiotic! now, a complete shambles, I'm glad I gave threw in
the towel when I did.

Several stations hitting the old girl with high power again today, the transponderr was warbling
like a demented duck but 90% of the stations didn't even bother to QRP ... most likely didn't even know why they should.

It just gets worse and worse, in fact, I hear the (satellite operating) death toll clanging of
the bells.

Nowhere !!! on the Amsat websites do I see recommended operating instructions.

They seem to be only on the AO-7 Resource Page ... but it looks like nobody reads them - and
if they do, they don't seem to take a blind bit of notice.

I had no trouble whatsoever! hearing my own milliwatts today - nor did UA9CS and F1IL so there really *IS* no excuse for the 'power struggle'.

A few of the operators were knocking the transponder silly!.

73 John. la2qaa@...>

3605. Re: Jan King is alive ... long live the King!.

Yahoo group: eu-amsat
Date: 2010-07-14 10:41:12 UTC
From: LA2MOA
Topic: 3604 Message: 3605

I've also noticed this "phenomena" a couple of days when AO-7 has been in Mode B. Just hope I'm not one of the alligators... I cannot run more than 8W output on 70 cm from my FT-726 (5W when running 2xFT817...) and I'm always running barefoot on AO-7. When working CW I always QRP down to about 3W output. The SWR on my 70cm X-yagi (which are optimized for 435 MHz) is quite high on 432, so I don't think my signal is among the stronger on Oscar 7.

To bad some operators are abusing "The Old Lady". Think we all should be gentle to her, and she will reward us with many fine DX contacts. K9HF and UA9CS is in the log here, and more to come. I hope...

73!

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Al,
> I bet you didn't know that AO-7 is orbiting the earth at least !! 200 times a day ...
> as attested to by the French station that has knocked up more than 2000 contacts this last
> two months.
>
> I see SV1BSX has also made a few more contacts since I was last on AO-7 - (think about
> that one).
>
> No kidding!, the state of the log is idiotic! now, a complete shambles, I'm glad I gave threw in
> the towel when I did.
>
> Several stations hitting the old girl with high power again today, the transponderr was warbling
> like a demented duck but 90% of the stations didn't even bother to QRP ... most likely didn't even know why they should.
>
> It just gets worse and worse, in fact, I hear the (satellite operating) death toll clanging of
> the bells.
>
> Nowhere !!! on the Amsat websites do I see recommended operating instructions.
>
> They seem to be only on the AO-7 Resource Page ... but it looks like nobody reads them - and
> if they do, they don't seem to take a blind bit of notice.
>

> I had no trouble whatsoever! hearing my own milliwatts today - nor did UA9CS and F1IL so
> there really *IS* no excuse for the 'power struggle'.
>
> A few of the operators were knocking the transponder silly!.
>
> 73 John. la2qaa@...>
>

3606. More milliwatting on HO-68.

Yahoo group: eu-amsat
Date: 2010-07-14 17:08:14 UTC
From: John Hackett
Topic: 3606 Message: 3606

Folks,
Absolutely no problem whatsover to copy my 200mW on HO-68 this evening.

(28 year old FT-290Mk1 barefoot to an Arrow aerial, manual doppler).

However, no 'takers' on the last pass.

Tis' vain to do with more, that which can be done with less.
William Of Occam. 1307.

Nice to have a challenge again after getting bored with it all.

73 John. <la2qaa@...>

3607. Re: Jan King is alive ... long live the King!.

Yahoo group: eu-amsat
Date: 2010-07-14 18:31:27 UTC
From: WILLIAMS M
Topic: 3604 Message: 3607

Over here, AO7 at times has been turned into AO-51 with only one QSO allowed. A station would be so strong that only he and the other station in QSO could use the satellite. The transponder was so overwhelmed that any other signal downlink would just disappear.

Mike (K9QHO)

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Al,
> I bet you didn't know that AO-7 is orbiting the earth at least !! 200 times a day ...
> as attested to by the French station that has knocked up more than 2000 contacts this last
> two months.
>
> I see SV1BSX has also made a few more contacts since I was last on AO-7 - (think about
> that one).
>
> No kidding!, the state of the log is idiotic! now, a complete shambles, I'm glad I gave threw in
> the towel when I did.
>
> Several stations hitting the old girl with high power again today, the transponderr was warbling
> like a demented duck but 90% of the stations didn't even bother to QRP ... most likely didn't even know why they should.
>
> It just gets worse and worse, in fact, I hear the (satellite operating) death toll clanging of
> the bells.
>
> Nowhere !!! on the Amsat websites do I see recommended operating instructions.
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> They seem to be only on the AO-7 Resource Page ... but it looks like nobody reads them - and
> if they do, they don't seem to take a blind bit of notice.
>
> I had no trouble whatsoever! hearing my own milliwatts today - nor did UA9CS and F1IL so
> there really *IS* no excuse for the 'power struggle'.
>
> A few of the operators were knocking the transponder silly!.
>
> 73 John. la2qaa@...>
>

3608. Another milliwatting epistle.

Yahoo group: eu-amsat
Date: 2010-07-14 19:22:59 UTC
From: John Hackett
Topic: 3608 Message: 3608

Clearing up a (slight?) misunderstanding.

After my recent 'milliwatting' post, one well meaning (?) Ham 'commisserated' with me and advised me that I should try using more power.

I believe the gentleman missed the point completely!

Milliwatters are very seldom 'newcomers' - on the contrary, they are usually the most experienced Amateurs of the bunch.

Personally, I've been at this game since 1966 and have enough ''wallpaper' and awards to build a paper-mache P3D.

Remember ... any clown can emulate a pregnant cow suffering from a stomach ulcer - into a microphone, with a 100 watts and a rusty nail ... but it takes a certain 'finesse' to
be successful with microwatting.

It's generally accepted that the microwatter is an experienced Ham with a good working knowledge of operating proceedure, aerials, propagation and in the case of satellite operating - orbital mechanics.

It may sound blaise' but microwatters have usually gained previous experience at most of the other'disiplines' in Amateur Radio - and are therefore looking for new challenge.

Milliwatting can be compared with EME - top of the line stuff, if you will - and puts into perspective the relative newcomer on the Amsat-bb a couple of years ago with his infamous ... "You need at least! 100 watts to work AO-7".

That would only be true if you were feeding the 100 watts into an oversized 50 ohm resistor!.

When you have learned something about power budgets and the secondary reason of why satellites have beacons - you can call yourself an experienced satellite operator.

A couple of tips ...

1) The beacon is an excellent propagation reference - remember, you're traversing the ionosphere twice!.

2) Your signal should *NEVER* be stronger than the beacon ... it's your reference!.

3) As I have stated many times before ... you should only use 'enough' power to communicate effectively.

As the satellite approches TCA (time of closest approach) you can reduce power by 3dB and nobody will even notice the difference.

Try it !!! ... you will be prolonging the satellites life.

For those wondering why AO-7 was 'warbling' the last couple of days in mode-B ... too many users using too much power.

Remember!, the available power is distributed among the users in the passband.

Don't be a power *HOG* ... QRP by 50% and people '*WILL* still hear you ... at least they will if they have ears and an aerial.

Recommended operating instructions for an ailing AO-7 have been on the AO-7 Resource Page for everyone to read.

Very few have used the opportunity.

Reduce your power by 50% ... and surprise! yourself.

73 John. <la2qaa@...>

73 John. <la2qaa@...>

3609. RE: [eu-amsat] Re: Jan King is alive ... long live the King!.

Yahoo group: eu-amsat
Date: 2010-07-14 19:46:00 UTC
From: John Hackett
Topic: 3604 Message: 3609

Hello Mike, K9QHO,
Just thank your lucky stars you're not in Europe! - 50 + countries
fighting it out on an FM transponder is absolute! chaos and quite rightly has been designated
a zoo.

I recall Emily W0EEC, now K1DID, and I hooked up on Echolink to work AO-51. The operating proceedure was of a *MUCH* higher standard on your side of the pond.

I use to maintain the AO-7 log together with Emily but gave u a couple of years ago when people started using the log as a 'competition'' ... as opposed to an 'activity' log - which was it's designed purpase.

The statistics are now completely useless! thanks to the 'competion' mentality and errors in reporting etc.

GM1SXX and myself spent a long time recording and analysing data when the beacon was transmitting correct TLM. We were in a continual discussion with Jan King (hence my 'quip' "Long Live the King!" ... but now I've migrated to HO-68 perhaps the battlecry ought to be ...
"Long Live The KUNG".

I was the one who recorded and made known the timer function in 2003. GM1SXX and myself (with the project manager's help, Jan King, now VK3EY, managed to work out that the information in the 1974 Amsat newsletter was in fact incorrect.

It had gone to press just prior tp jan and Karl Meinzer making some changes just prior to launch
in 1974.

Since then there have been countless 'experts' - about one every 6 months - 50% of them redistributing false information based on in correct speculation.

The single most negative aspect is as you correctly summise Mike

3610. Live Webstream of AMSAT-UK Space Colloquium

Yahoo group: eu-amsat
Date: 2010-07-14 22:18:50 UTC
From: Trevor .
Topic: 3610 Message: 3610

The 2010 Space Colloquium - the 25th held by AMSAT-UK, is taking place on July 31 and August 1 at the Holiday Inn in Guildford, England.

As usual there will be many interesting presentations and demonstrations from the developers and users of the ever increasing number of amateur radio satellites. In addition there will be talks on nano propulsion systems, solar sails, cubesat sized linear transponders, the GENSO ground station network, GNU radios and numerous other topics.

It is still possible to attend the meeting itself, although the "early booking" rates may now no longer be available - for booking details see http://www.uk.amsat.org/colloquium

If, however, you are unable to attend in person, we can announce that the batc.tv webstream service will again be provided over the weekend starting from 1000BST (0900UTC) on the Saturday.

The current programme - which is always subject to late changes - can be seen here http://www.uk.amsat.org/content/view/713/284/
again please note that all timings are given BST which is UTC +1.

The BATC.TV webstream will be available here, click on Live Events http://www.batc.tv/

AMSAT-UK
http://www.uk.amsat.org/

---

73 Trevor M5AKA

3611. More power !!!! Egon ...

Yahoo group: eu-amsat
Date: 2010-07-15 08:00:22 UTC
From: John Hackett
Topic: 3611 Message: 3611

(With appropriate apologies to Dr Frankenstein).

Regarding the power issue, even William Of Occam - (Google him) - couldn't have said it better than GM1SXX !!.

>Just watching your Milliwatting posts with interest.
>Of course
'Sillywatting' seems to be all the rage now :-)

73 John. <la2qaa@amsat.org>

3612. Ears are *NOT* just for holding your hat up.

Yahoo group: eu-amsat
Date: 2010-07-15 18:48:38 UTC
From: John Hackett
Topic: 3612 Message: 3612
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks to Roman, OK1DEU for working my 100 mW on HO-68 this evening.

I had to compete with a couple of power *HOGS* but still managed a 2 minute QSO.

It used to be acceptable proceedure to send QRL? before calling CQ but nobody appears to do it anymore. Three timers th8is evening I was calling CQ on CW with 100 mW only to be *SQUISHED*
by o0perators that started calling CQ without even bothering to ask if the frequency was in use.

They *WOULD* have heard me had they bothered to *LISTEN* before transmitting.

It's very! rare that the propagation is such that people can't hear at least one side of a QSO ...
but to do that they w9uld of course need to use their *EARS*.

It ought to be mandatory to have an understanding of FULL DUPLEX OPERATION.

Anyway, thanks Roman, nice to see ssomebody! using their ears for their primary intended purpose ... and not just for holding their hats up.

73 John. <la2qaa@...>

3613. HO-68 schedule 18-25 July.

Yahoo group: eu-amsat
Date: 2010-07-15 22:11:56 UTC
From: John Hackett
Topic: 3613 Message: 3613

```
TC:
18 July 2010
================================
17:20...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:05...Turn Off

19:05...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:50...Turn Off

20:30...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
21:15...Turn Off

19 July 2010
================================
00:25...Turn On--FM/PACSAT
South America,NA,North Asia
01:10...Turn Off

02:52...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:08...Turn Off

11:05...Turn On--FM/PACSAT
Oceania,India,South Asia,
Middle East,Europe,North Asia
11:50...Turn Off

17:00...Turn On--FM/PACSAT
Africa,Europe,NA
17:45...Turn Off

22:50...Turn On--FM/PACSAT
South America,NA,North Asia
23:35...Turn Off

20 July 2010
================================
00:40...Turn On--FM/PACSAT
South America,NA,North Asia
01:25...Turn Off

02:35...Turn On--FM/PACSAT
North Asia, East Asia, South Asia
```

02:51...Turn Off

10:50...Turn On--FM/PACSAT
Oceania,Asia,Europe
11:35...Turn Off

13:30...Turn On--FM/PACSAT
NA,Europe,Africa,South America
14:15...Turn Off

16:45...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:30...Turn Off

18:15...Turn On--FM/PACSAT
Africa,Europe,NA
19:00...Turn Off

21 July 2010
==========
02:23...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:39...Turn Off

10:35...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
11:20...Turn Off

13:15...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
14:00...Turn Off

16:25...Turn On--FM/PACSAT
Africa,Europe,NA
17:10...Turn Off

22:20...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
23:05...Turn Off

22 July 2010
==========
02:05...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:21...Turn Off

05:35...Turn On--FM/PACSAT
NA,North Asia,Middle East,
Europe,Africa
06:20...Turn Off

10:15...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA

11:00...Turn Off

12:55...Turn On--FM/PACSAT
Europe,NA,South America
13:40...Turn Off

16:05...Turn On--FM/PACSAT
Africa,India,Middle East,Europe,NA
16:50...Turn Off

18:00...Turn On--FM/PACSAT
Africa,Europe,NA
18:45...Turn Off

22:00...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
22:45...Turn Off

23 July 2010
==========
01:50...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:06...Turn Off

10:00...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
10:45...Turn Off

12:40...Turn On--FM/PACSAT
Europe,NA,South America
13:25...Turn Off

17:40...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:25...Turn Off

21:40...Turn On--FM/PACSAT
South America,Africa,NA,
Europe,North Asia,East Asia
22:25...Turn Off

24 July 2010
==========
00:40...Turn On--FM/PACSAT
South America,NA,North Asia
01:25...Turn Off

01:32...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:46...Turn Off

11:30...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA

12:15...Turn Off

14:05...Turn On--FM/PACSAT
Europe,NA,South America
14:50...Turn Off

17:20...Turn On--FM/PACSAT
Africa,Europe,NA
18:05...Turn Off

23:15...Turn On--FM/PACSAT
South America,NA,North Asia
24:00...Turn Off

25 July 2010
==========
00:50...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:35...Turn Off

06:30...Turn On--FM/PACSAT
North Asia,Europe,Africa
07:15...Turn Off

13:50...Turn On--FM/PACSAT
Europe,NA,South America
14:35...Turn Off

3614. Re: Ears are *NOT* just for holding your hat up.

Yahoo group: eu-amsat
Date: 2010-07-16 02:59:59 UTC
From: LA2MOA
Topic: 3612 Message: 3614

My grandma always used to say that "empty barns doesn't need a roof (i.e. hat)"...

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Thanks to Roman, OK1DEU for working my 100 mW on HO-68 this evening.
>
> I had to compete with a couple of power *HOGS* but still managed a 2 minute QSO.
>
> It used to be acceptable proceedure to send QRL? before calling CQ but nobody appears to do it anymore. Three timers th8is evening I was calling CQ on CW with 100 mW only to be *SQUISHED*
> by o0perators that started calling CQ without even bothering to ask if the frequency was in use.
>
> They *WOULD* have heard me had they bothered to *LISTEN* before transmitting.
>
> It's very! rare that the propagation is such that people can't hear at least one side of a QSO ...
> but to do that they w9uld of course need to use their *EARS*.
>
> It ought to be mandatory to have an understanding of FULL DUPLEX OPERATION.
>
> Anyway, thanks Roman, nice to see ssomebody! using their ears for their primary intended
> purpose ... and not just for holding their hats up.
>
> 73 John. <la2qaa@...>
>

3615. RE: Sillywatting

Yahoo group: eu-amsat
Date: 2010-07-16 11:19:18 UTC
From: John Hackett
Topic: 3615 Message: 3615

Da! Comrade Alski (& Group),
'Sillywatting' describes it to a T.

Excessive power is absolutely *NOT* necessary but some operators are like sheep ..
they just don't use 'the grey matter' between their ears.

As I implied the other day, a lot of people *WOULD* be surprised if they reduced power
by 50% ... I doubt if the 'receiving' station would even notice thye change. ... and
imagine!
how much it would prolong the satellite's life if 'everybody' did it.

Common sense dictates that you *DON'T* need the same power at TCA as you do at the
horizon. How many regulate their power through a pass? ... I suspect zilch, none, nada,
ingen.

Of course, when the bird finally throws in the towel, the *HOGS* will be the first to
complain ... and blame everybody else !!! ... for not reducing power.

The proverbial viscious circle.

73 John. <la2qaa@...>

3616. Now that !!! was operating.

Yahoo group: eu-amsat
Date: 2010-07-17 17:55:53 UTC
From: John Hackett
Topic: 3616 Message: 3616

To whom it may concern,
An EXCELLENT CW QSO on HO-68 with low power this evening.

If LA2MOA and LA2QAA can do it - so could a lot of other people - had they had a mind to.

Well done! Hans, now that's !!! a satellite operator.

Would anyone care to emulate him next week when HO-68 is back in linear mode?.

73 John. <la2qaa@...>

3617. Re: Now that !!! was operating.

Yahoo group: eu-amsat
Date: 2010-07-17 17:58:45 UTC
From: LA2MOA
Topic: 3616 Message: 3617

blushing

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> To whom it may concern,
> An EXCELLENT CW QSO on HO-68 with low power this evening.
>
> If LA2MOA and LA2QAA can do it - so could a lot of other people - had they had a mind to.
>
> Well done! Hans, now that's !!! a satellite operator.
>
> Would anyone care to emulate him next week when HO-68 is back in linear mode?.
>
> 73 John. <la2qaa@...>
>

3618. RE: [eu-amsat] Re: Now that !!! was operating.

Yahoo group: eu-amsat
Date: 2010-07-17 18:18:57 UTC
From: John Hackett
Topic: 3616 Message: 3618

I'm a Brit Mate,
Credit where it's due!.

I slag off lousy operating often enough ... he he he .

73 John ... aka, that sour old S.O.B.

<la2qaa@...>

Nota Bena ...

If just one Alligator 'pulls his socks up' and QRP's by 50%, it will have been worth the criticism.

(I'm too old to worry about it anyway!).

Have a good one.

QAA.

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Sat, 17 Jul 2010 17:58:45 +0000
Subject: [eu-amsat] Re: Now that !!! was operating.

blushing

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> To whom it may concern,

> An EXCELLENT CW QSO on HO-68 with low power this evening.

>

> If LA2MOA and LA2QAA can do it - so could a lot of other people - had they had a mind to.

>

> Well done! Hans, now that's !!! a satellite operator.

>

> Would anyone care to emulate him next week when HO-68 is back in linear mode?.

>

> 73 John. <la2qaa@...>

>

3619. Re: Now that !!! was operating.

Yahoo group: eu-amsat
Date: 2010-07-17 18:22:11 UTC
From: LA2MOA
Topic: 3616 Message: 3619

Anyway...

Anyone may ignore my last posting. Just got a bit overwhelmed by the nice words from Alan... What's the radio amateur's most important asset? His/hers ears of course! Anyhow, I just can't understand how anyone can't hear the fine CW-signals from Alan. With me he was a true 579, running MILLIWATTS, and without a *real* RX preamp at my side (I don't count the built-in preamp in my small 70cm PA as a real preamp anyway - I might just as well cranked up the volume by 15dB or so...).

Still, after working TRUE QRP on HF the last 10 years I might have developed good ears, or maybe I was born with them - I don't know, and I don't care. In fact, Alan got my attention on HO-68 when he was calling CQ and actually making a bit of QRM on a SSB-station that I, at first, found interesting. Alans signals, however, were much more interesting for me, since I already knew he was running QRPp and that's it.

By the way, I was running 5 watts into my homebrew "norwegian wood" 6 element X-yagi (DK7ZB design) and on the 70cm RX side I used my likewise homebrew 10 element X-yagi, also DK7ZB-style and built on a wooden boom. Antennas with fixed elevation @ 25-30 degrees or so and a simple TV-rotator. Manual rotation and manual doppler tuning on the old FT-726R. It couldn't be more easy!

Thanks for a nice QSO, Alan, and something really to remember! The rest of you out there should try the same. You may learn something, you see...

Hans / LA2MOA
JP50hw

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> To whom it may concern,
> An EXCELLENT CW QSO on HO-68 with low power this evening.
>
> If LA2MOA and LA2QAA can do it - so could a lot of other people - had they had a mind to.
>
> Well done! Hans, now that's !!! a satellite operator.
>
> Would anyone care to emulate him next week when HO-68 is back in linear mode?.
>
> 73 John. <la2qaa@...>
>

3620. OBSERVATIONS FROM NORWAY.

Yahoo group: eu-amsat
Date: 2010-07-17 19:20:43 UTC
From: John Hackett
Topic: 3620 Message: 3620
Attachments: 4 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 170720102110Z.

Yet another 2m 70cm Diplexer.

I recently purchased an Elk log periodic dual band aerial for portable satellite operating. Unlike the Arrow, it only has a single feed connector and since I use an FT-290 on TX with a TR-851E on RX I needed a duplexer.

While the aerial is designed for dual band FM handhelds, using a single connector, using two
rigs for CW operating poses a slight problem so to operate full duplex a diplexer is necessary.

Building the diplexer should be quite straightforward by perusing the 'pretty' pictures. (OK, maybe not so pretty ... they were taken with an 'El Cheapo' tatty phone camera).

A couple of bits of coax, series-resonant traps and 3 x connectors in a home brew aluminium box and you're good to go.

The box is made from the aluminium cooking tray that was previously 'at home' in the electric oven ... and you ask me why I'm divorced?.

I used Eirie type ceramic trimmers in case I should ever get the urge to use *MASSIVE* power like one complete watt. Seriously, I used them because they were in the junque-box, even though they are quality-wise a bit overkill for this project. (They're microwave trimmers).

The coils were wound with 1mm soft drawn enammelled copper wire 'borrowed' from an RF choke in a 'dead' power supply ... (well, it's dead now!).

The N-connectors came from ... you don't! want to know. The SO-239 came from a non-functioning SWeaR meter.

(Non-functioning because it was 'liberated' previouskly, for parts).

The RG-58 C/U coax was a patch lead that 'paid the price'.

The 'loss' of a quarter wave RG-58 at 2m is INSIGNIFICANT - (and I run milliwatts) - but if you want to split hairs, by all means use higher quality coax.

73 John. <la2qaa@...>

3621. Re: [amsat-bb] VA7EWK 3-10 July stats and wrap-up

Yahoo group: eu-amsat
Date: 2010-07-19 05:37:34 UTC
From: Luc Leblanc
Topic: 3621 Message: 3621

On 18 Jul 2010 at 20:28, Patrick STODDARD (WD9EWK/VA7EWK) wrote:

Without diminishing any amateur activities i am prompted for the first time in years to bring my DSTAR gear instead of my satellite
apparatus by some of our Ham club members ... I also pointed out they are not throwing the SAT part away but DSTAR seems to be to actual
mood here. Its is A big plus as many of these folks are very technically inclined. I just hope their technical fever will remain up to the
new satellite coming as i was told DSTAR will be present on some of the new cube sat project. I know it is not the amateur Continuous
Working trend usual stuff (CW) but is it possible that amateur radio experimental side can be something a bit off CW? aside of beacons and
telemetry and QSO'S?

Any way i will try to be QRV around grid's EL 86-87-94-95-96-95 and if stars are aligned "could be i will try some" amateur operation DSTAR
and satellite.

The big question is when? and my XYL has a part of the answer?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3622. Re: OBSERVATIONS FROM NORWAY.

Yahoo group: eu-amsat
Date: 2010-07-19 08:08:23 UTC
From: LA2MOA
Topic: 3620 Message: 3622

John, (!)

Have you been able to try your Elk yet? I'm very curious about this little LPA, and seriously thinking about ordering one. Think this would be a nice "on the go" antenna for just any kind of activities on 145/430. The cost, abt 125 USD + shipping, seems to be ok and the reviews on eham.net is more than favourable. How long was the delivery time to LA-land from the US, and for how long did the norwegian "TOLL-Gestapo" keep you liberated from your antenna?

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> OBSERVATIONS FROM NORWAY. 170720102110Z.
>
> Yet another 2m 70cm Diplexer.
>
> I recently purchased an Elk log periodic dual band aerial for portable satellite operating.
> Unlike the Arrow, it only has a single feed connector and since I use an FT-290 on TX with
> a TR-851E on RX I needed a duplexer.
>
> While the aerial is designed for dual band FM handhelds, using a single connector, using two
> rigs for CW operating poses a slight problem so to operate full duplex a diplexer is necessary.
>
> Building the diplexer should be quite straightforward by perusing the 'pretty' pictures.
> (OK, maybe not so pretty ... they were taken with an 'El Cheapo' tatty phone camera).
>
> A couple of bits of coax, series-resonant traps and 3 x connectors in a home brew
> aluminium box and you're good to go.
>
> The box is made from the aluminium cooking tray that was previously 'at home' in the
> electric oven ... and you ask me why I'm divorced?.
>
> I used Eirie type ceramic trimmers in case I should ever get the urge to use *MASSIVE*
> power like one complete watt. Seriously, I used them because they were in the junque-box,
> even though they are quality-wise a bit overkill for this project. (They're microwave trimmers).
>
> The coils were wound with 1mm soft drawn enammelled copper wire 'borrowed' from an RF
> choke in a 'dead' power supply ... (well, it's dead now!).
>

> The N-connectors came from ... you don't! want to know. The SO-239 came from a non-
> functioning SWeaR meter.
>
> (Non-functioning because it was 'liberated' previouskly, for parts).
>
> The RG-58 C/U coax was a patch lead that 'paid the price'.
>
> The 'loss' of a quarter wave RG-58 at 2m is INSIGNIFICANT - (and I run milliwatts) - but
if
> you want to split hairs, by all means use higher quality coax.
>
> 73 John. <la2qaa@...>
>

3623. Two New Indonesian Satellites to Launch Next Year

Yahoo group: eu-amsat
Date: 2010-07-19 10:10:54 UTC
From: Al
Topic: 3623 Message: 3623

July 16, 2010

Fidelis E Satriastanti & Ismira Lutfia
Two New Indonesian Satellites to Launch Next Year

Having launched its first locally made satellite in 2007, Indonesia is now looking to launch another two next year for both communications and remote-sensing applications.

The Lapan-A2 and Lapan-Orari are categorized as microsatellites, weighing 68 and 70 kilograms, respectively, and have been developed in-house by the National Aeronautics and Space Agency (Lapan). Both are scheduled to be put into orbit in September 2011 by an Indian rocket.

Toto Marnanto Kadri, head of the Aerospace Electronics Technology Center at the agency, said the satellites were designed, assembled and tested in Indonesia.

"They're both very small, measuring 45-by-45-by-33 centimeters, so that obviates the need to buy our own satellite launcher," he said. "Instead, we'll be piggybacking on India's launcher from their base in Sriharikota, because they plan to put their own satellite, the Astrosat, into orbit next year."

He said Lapan's satellites differed from other remote-sensing satellites in that they would run in an equatorial orbit rather than a polar one.

"It'll be very interesting, because normally the satellites in current use, such as Landsat [United States] and SPOT [France], are on polar orbits, which means their coverage of Indonesia is relatively low," Toto said.

"During a 24-hour cycle, a satellite in polar orbit will only pass over Indonesia very briefly, yielding only two to four sets of data.

"However, a satellite in equatorial orbit at a height of 650 kilometers will pass over Indonesia for up to 97 minutes, yielding 14.7 sets of data."

Passes occurring during daylight hours boost data collection by a factor of five to six, he said.

The Lapan-A2 satellite is equipped with a Kappa PAL color video camera and has a high-ground resolution of 5.96 meters and coverage of 80 kilometers.

"The satellite is unique because it has a digital camera that can monitor areas affected by natural disasters," Toto said.

The satellite will also carry an Automatic Identification System to tag ships of more than 200 tons, which are required by the International Maritime Organization to have an AIS tracking device.

Toto said the system would be able to pick up the identity, position, speed, destination and specifications of ships in Indonesian waters.

The Lapan-Orari satellite is a joint venture between Lapan and the Indonesian Amateur Radio Organization (Orari), and was designed by a team of 20 from both organizations, said Wisnu Widjaja, deputy secretary general of Orari.

"This is the first-ever amateur radio satellite project in Southeast Asia," he said.

The satellite is equipped with an amateur radio Automatic Position Reporting System, digital data relay and amateur radio analog voice communication relay.

"Orari has APRS, which can transmit both text and voice communication, and could prove very useful in the event of major natural disasters such as earthquakes in which conventional communications infrastructure may be disabled," Toto said.

Wisnu said that radio networks that used high frequency to super high frequency channels for transmission were sometimes affected by the weather when used at ground level.

"But that won't happen in the case of a satellite, therefore we can rely on satellite transmissions for disaster mitigation because they will always work regardless of the weather conditions, not to mention the much wider coverage too," he said.

However, he did say conventional communications would remain the backbone of the amateur radio system.

"The satellite will serve a complementary function to the existing transmission modes," he said.

Toto said the Lapan-Orari satellite featured three multiband spectral imaging cameras with 16.7 meters of ground resolution and 101.87 kilometers of coverage, specifications that made it ideal for use in surveys by the forestry and agriculture ministries.

Wisnu added: "The cameras will be very useful for pinpointing the location of forest fires and hot spots, for instance."

3624. Re: [eu-amsat] Two New Indonesian Satellites to Launch Next Year

Yahoo group: eu-amsat
Date: 2010-07-19 10:56:07 UTC
From: Thomas Frey
Topic: 3623 Message: 3624

Hello Al and Group

If I'm informed correctly Lapan-Orari and Lapan-A2 will launch with Megha-Tropiques as primary payload in an 8? inclination. If this is correct, both satellites will never be seen in Europe.

Al schrieb:
> July 16, 2010
>
> Fidelis E Satriastanti& Ismira Lutfia
> Two New Indonesian Satellites to Launch Next Year
>
> Having launched its first locally made satellite in 2007, Indonesia is now looking to launch another two next year for both communications and remote-sensing applications.
>
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>
> Toto Marnanto Kadri, head of the Aerospace Electronics Technology Center at the agency, said the satellites were designed, assembled and tested in Indonesia.
>
> "They're both very small, measuring 45-by-45-by-33 centimeters, so that obviates the need to buy our own satellite launcher," he said. "Instead, we'll be piggybacking on India's launcher from their base in Sriharikota, because they plan to put their own satellite, the Astrosat, into orbit next year."
>
> He said Lapan's satellites differed from other remote-sensing satellites in that they would run in an equatorial orbit rather than a polar one.
>
> "It'll be very interesting, because normally the satellites in current use, such as Landsat [United States] and SPOT [France], are on polar orbits, which means their coverage of Indonesia is relatively low," Toto said.
>
> "During a 24-hour cycle, a satellite in polar orbit will only pass over Indonesia very briefly, yielding only two to four sets of data.
>
> "However, a satellite in equatorial orbit at a height of 650 kilometers will pass over Indonesia for up to 97 minutes, yielding 14.7 sets of data."
>
> Passes occurring during daylight hours boost data collection by a factor of five to six, he said.
>
> The Lapan-A2 satellite is equipped with a Kappa PAL color video camera and has a high-

ground resolution of 5.96 meters and coverage of 80 kilometers.
>
> "The satellite is unique because it has a digital camera that can monitor areas affected by natural disasters," Toto said.
>
> The satellite will also carry an Automatic Identification System to tag ships of more than 200 tons, which are required by the International Maritime Organization to have an AIS tracking device.
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> "This is the first-ever amateur radio satellite project in Southeast Asia," he said.
>
> The satellite is equipped with an amateur radio Automatic Position Reporting System, digital data relay and amateur radio analog voice communication relay.
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> "Orari has APRS, which can transmit both text and voice communication, and could prove very useful in the event of major natural disasters such as earthquakes in which conventional communications infrastructure may be disabled," Toto said.
>
> Wisnu said that radio networks that used high frequency to super high frequency channels for transmission were sometimes affected by the weather when used at ground level.
>
> "But that won't happen in the case of a satellite, therefore we can rely on satellite transmissions for disaster mitigation because they will always work regardless of the weather conditions, not to mention the much wider coverage too," he said.
>
> However, he did say conventional communications would remain the backbone of the amateur radio system.
>
> "The satellite will serve a complementary function to the existing transmission modes," he said.
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>
> Wisnu added: "The cameras will be very useful for pinpointing the location of forest fires and hot spots, for instance."
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3625. RE: [eu-amsat] Two New Indonesian Satellites to Launch Next Year

Yahoo group: eu-amsat
Date: 2010-07-19 11:26:56 UTC
From: Al copland
Topic: 3623 Message: 3625

Hi Group,
Thomas is correct, These birds will be going to an equatorial orbit and therefore not be visible to Europen users. Thanks for that Thomas.

73 Al.
GM1SXX

> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Mon, 19 Jul 2010 12:56:07 +0200
> Subject: Re: [eu-amsat] Two New Indonesian Satellites to Launch Next Year
>
> Hello Al and Group
>
> If I'm informed correctly Lapan-Orari and Lapan-A2 will launch with
> Megha-Tropiques as primary payload in an 8° inclination. If this is
> correct, both satellites will never be seen in Europe.
>
> Al schrieb:
> > July 16, 2010
> >
> > Fidelis E Satriastanti& Ismira Lutfia
> > Two New Indonesian Satellites to Launch Next Year
> >
>

---
http://clk.atdmt.com/UKM/go/197222280/direct/01/
We want to hear all your funny, exciting and crazy Hotmail stories. Tell us now

3626. Re: [amsat-bb] VA7EWK 3-10 July stats and wrap-up

Yahoo group: eu-amsat
Date: 2010-07-21 21:48:24 UTC
From: wd9ewk
Topic: 3621 Message: 3626

Hi!

VE2DWE posted a message to this list with the same subject line
as this one, with text that appeared to be from me. I did not
post any of what was in that earlier message. I don't even have
a DSTAR-capable radio at this time. I had posted on the AMSAT-BB
a message with some statistics related to my 3-10 July 2010 trip
to western Canada, where I worked satellites while I was up there.
The original message I posted is in the AMSAT-BB archive at:

http://amsat.org/pipermail/amsat-bb/2010-July/028507.html

and the text of that message is repeated below. I tried to work
Europe, on various AO-7 and HO-68 passes while I was there, but
was not successful. Maybe on a future trip.

73!

Patrick WD9EWK/VA7EWK
http://www.wd9ewk.net/

(text of my posting on the AMSAT-BB follows)

Subject: [amsat-bb] VA7EWK 3-10 July stats and wrap-up
From: Patrick STODDARD (WD9EWK/VA7EWK)
Date: Sun Jul 18 20:28:04 PDT 2010

Hi!

I have started work on the QSL cards from my recent trip to Canada,
and will also update my web page with photos and more information
about my trip. It was a fun time, and by far the longest satellite-
related trip I have taken. Along with the flights between Phoenix and
Vancouver, I drove 3024km (1879 miles) in 8 days according to the
receipt I received when I returned the car to Vancouver airport on
11 July. The driving in British Columbia was a few miles/km less than
the distance I drove on my trip into Utah last year (that was a
1905-mile/3065km trip), but overall I traveled much further this
July than either of my previous July road trips in 2008 or 2009 when
the Phoenix-Vancouver flights are added in.

During the time I worked the radios (3-10 July), I logged 391 QSOs
from 9 different grids. Locations included one grid boundary
(CN79/CO70, at Campbell River on Vancouver Island), the Canada/USA
international border (standing near the Peace Arch south of Vancouver,
on 8 July), a mountaintop (Whistler Mountain, on 10 July), and even
from a ship (a ferry sailing between Vancouver Island and Metro

Vancouver, on 7 July). I tried to work from CO50, but could not get to a place that allowed for a good view of the sky, even after making a 90km/55-mile detour out there on 5 July in the hope of finding some place that might work for satellites. On my first attempt to work many passes from CO80 on 9 July, I ended up working a few passes there followed by a long road trip through CO80, CO90, and CO99 before returning to my motel in Vancouver (driving 671km/417 miles that day!) and trying again the next day with more success.

I was able to work SSB and FM, although I only worked one VO-52 pass on the first full day I was on Vancouver Island (4 July). I generally used the VO-52 pass times for travel to a destination, or looked to work HO-68 with its larger footprint when the pass times were close. FO-29 and (when in mode B) AO-7 were good for late-afternoon and early-evening passes. HO-68 in FM was a nice satellite to have available during the week, for the longer-distance QSOs compared to the other 3 FM satellites. Despite trying for passes on AO-7 and HO-68 that covered parts of Europe during the week, no QSOs were logged with that continent.

By satellite, here are numbers of satellite QSOs VA7EWK logged in FM:

AO-27: 97
AO-51: 112
HO-68: 73
SO-50: 47
(329 QSOs in FM - 84.1% of total)

and in other modes:

AO-7: 30 in SSB, 2 in CW
FO-29: 23, all SSB
VO-52: 7, all SSB
(62 QSOs in modes other than FM - 15.9% of total)

I had my normal satellite station with me, and I hoped to make use of the SSB satellites whenever I could. I worked many AO-7 and FO-29 passes, including some on AO-7 where I talked to myself and maybe some polar bears in the Arctic. :-) Having access to those two satellites in particular helped some who were not able to work VA7EWK on the FM passes due to either the small common windows on those passes or the congestion on the FM passes. Or, another way of looking at the SSB effort could be "if Adrian AA5UK could work SSB from Hawaii, then I should be able to do the same from Canada". ;-) I worked WC7V and W6ZKH in CW on an AO-7 pass from CO60 for my only QSOs in that mode during this trip.

Grids... I was able to operate from the 4 grids on Vancouver Island I intended to make the biggest effort - CN78, CN79, CO60, and CO70. I ended up working some passes from CN88 in and around Victoria on 7 July before returning to Vancouver, which included some operating from the western end of the Trans-Canada Highway (a place with a good view of the sky, even with the steady stream of tourists around there).

On the Lower Mainland, I operated from CN89 during parts of 2 days, as well as 3 other grids - CN99, CO80, and CO90. The breakout by grid:

CN78: 56 (from Ucluelet on the Pacific side of Vancouver Island, 5 July)
CN79: 21 (from Port Alberni on Vancouver Island, 6 and 7 July - not including QSOs made at CN79/CO70 boundary)
CN79/CO70: 85 (all made from Campbell River, 4 and 6 July)
CN88: 25 (3 locations in/near Victoria, plus 2 QSOs made from a ferry sailing toward Vancouver - all on 7 July)
CN89: 59 (24 @ Burnaby on 3 July, 19 @ Surrey on 8 July, 16 @ Canada/USA border on 8 July)
CN99: 12 (3 passes on evening of 9 July)
CO60: 60 (Port Hardy, on 5 July)
CO80: 53 (3 locations in/around Whistler on 9 and 10 July, plus another location NE of Pemberton on 9 July)
CO90: 20 (one AO-51 pass on 9 July)

I was able to attempt operating SSB from all grids except for CN88, CO80, and CO90. CN89 was not a priority for me, although I ended up working a few passes shortly after my arrival in Vancouver on 3 July and some on 8 July as I drove down toward the Canada/USA border. I had not mentioned my plans to attempt QSOs on the international border publicly, since I had no idea if the authorities on either side would attempt to stop me from doing this. I took the "try it, and ask for forgiveness later" approach - which worked. In fact, 2 US Customs officers walked by me and only said "hello" - no questions about my radio gear or what I was doing at one of the border markers in the park that runs between the Customs buildings on each side of the border. Same thing with operating atop Whistler Mountain, where I worked 4 passes on 10 July - probably the best location in all of CO80 for satellite work - and the impromptu effort during a western AO-27 pass from the ferry sailing between Vancouver Island (Swartz Bay terminal) and Metro Vancouver (Tsawwassen terminal). If I had worked an AO-51 or SO-50 pass instead of the AO-27 pass, I may have had better luck. There's not much of the 7-minute AO-27 repeater time available to satellite operators that far north on the best passes.

When it comes to shipborne operating, I am a novice at that. This was my first, and only, time trying that form of satellite operating. I have a new appreciation of the efforts guys like Allen N5AFV and Andy W5ACM (among others) make when trying to get on the satellites from a ship. I may have been able to use my log periodic for that AO-27 pass, but did not want to attract undue attention with that antenna as opposed to the telescoping whip on my HT.

When I post photos to my web page shortly, some of those photos will include the carry-on bag which contained my station excluding my Elk log periodic, some telescoping whips for my HT, and other accessories that were packed in a checked bag to avoid issues with airport security checks in Phoenix and Vancouver. I packed my two FT-817NDs, IC-2820H

dual-band FM mobile radio, IC-T7H HT, Heil Traveler headset/mic I use with the FT-817NDs, along with cables, diplexer, GPS receiver, spare AA batteries, and my digital recorder into that bag. I also have some photos of the small duffel bag that I used to carry my HT, log periodic, and other accessories up to Whistler Mountain - and too bad I didn't make more time to work from up there, in SSB and FM. An observation deck on the building atop Whistler Mountain was a great operating location. Maybe on another trip, or maybe someone who lives up there will try that in the future (I still don't have CO80 in my log).

After this trip, coupled with my Dayton trip in May when I also took my all-mode satellite station, I think I will do this on future trips even if I am flying. I am already looking at future destinations for trips where I can enjoy the sights and enjoy working the radio as I did up in British Columbia - and not just Canadian destinations. I now know I can get on FM and SSB satellites from wherever I go, and being away from home isn't a problem for that.

Thanks to everyone who made QSOs with VA7EWK during that week. And special thanks to John K8YSE for his web site complete with MP3 audio from selected FM satellite passes and posting some messages to the -BB on my behalf while I was up there. It was very interesting to hear some of those passes from his perspective, along with my own recordings, throughout the week. Now, back to working on the QSL cards...

73!

Patrick WD9EWK/VA7EWK
http://www.wd9ewk.net/

3627. Simon 2E0HTS videos on Youtube.

Yahoo group: eu-amsat
Date: 2010-07-22 08:03:13 UTC
From: Al
Topic: 3627 Message: 3627

Hi,

I keep in touch with Simon, 2E0HTS in Baildon, Yorkshire. He works as a welding tech in a college there and is a keen radio amateur. He runs an excellent BLOG at

http://www.hamradiooperator.blogspot.com/

Some of his Youtube radio movies below.

satellite (SSB) QSO with ON7EQ
http://www.youtube.com/watch?v=y4N0x3BzwUg&feature=PlayList&p=0E2BBCB1012C5EB5&playnext=1&index=4

Satellite is demanding. You have to tune for doppler, operate, point to the satellite,cope with the round-trip time delays, fill in the log etc ... all at the same time.

satellite communications are FULL DUPLEX.... talk and listen like a telephone conversation, but with a bit of time delay and constant frequency drift (Doppler) that needs to be tracked by hand or by computer.

Operating satellite (SSB) via VO-52.
http://www.youtube.com/watch?v=G-v6N4xtFmw

Some satellites can handle FM.
Here's an FM QSO via the new Chinese Hope Oscar 68 satellite.

http://www.youtube.com/watch?v=kCZXh1IokKQ

and QRP Operation from the Yorkshire moors....using an FT817.

http://www.youtube.com/watch?v=LVGqP4D6YIs&feature=related

Just a flavour of the fun you can have with Amateur radio.

Enjoy.
Al.

3628. dah, dit, dah, dit ... (one hundred).

Yahoo group: eu-amsat
Date: 2010-07-22 13:53:05 UTC
From: John Hackett
Topic: 3628 Message: 3628
Attachments: 1 described; binary payloads are missing from this source WARC

Here's one for those that still believe you need 100 watts to work a satellite.

This card confirms I used 100 milliwatts on the HO-68 CW QSO.

The uplink was on a 28 year old FT-290 running barefoot to a 3 element 'Arrow'.
The downlink was on an aging TR-851E to a homebrew 6 element yagi.
Manual doppler tuning.
No preamp.

When I'm portable, the rotor is of the 'Armstrong' variety.

As can be envisaged ... you *DON'T* have to be as affluent as Donald Trump(et) to be able to operate satellites.

73 John. <la2qaa@amsat.org>

3629. HO-68 Weekly Schedule

Yahoo group: eu-amsat
Date: 2010-07-24 18:17:23 UTC
From: John Hackett
Topic: 3629 Message: 3629

```
ALL TIMES UTC.

25 July 2010
================================
18:50...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
19:04...Turn Off

26 July 2010
================================
00:45...Turn On--CW/SSB
South America,NA,North Asia
01:30...Turn Off

02:46...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:02...Turn Off

04:36...Turn On--CW/SSB
North Asia,East Asia,South Asia
04:46...Turn Off

13:06...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
13:22...Turn Off

14:23...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
15:13...Turn Off

16:50...Turn On--CW/SSB
Africa,Europe,NA
17:35...Turn Off

27 July 2010
================================
00:30...Turn On--CW/SSB
South America,NA,North Asia
01:15...Turn Off

02:25...Turn On--CW/SSB
North Asia, East Asia, South Asia
02:41...Turn Off

04:14...Turn On--CW/SSB
North Asia, East Asia, South Asia
```

04:29...Turn Off

10:40...Turn On--CW/SSB
Oceania,Asia,Europe
11:25...Turn Off

12:50...Turn On--FM/PACSAT
North Asia, East Asia, South Asia
13:03...Turn Off

14:41...Turn On--FM/PACSAT
North Asia, East Asia, South Asia
14:23...Turn Off

18:20...Turn On--CW/SSB
India,Middle East,Europe,NA
19:05...Turn Off

28 July 2010
==========
02:07...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:21...Turn Off

03:55...Turn On--CW/SSB
North Asia,East Asia,South Asia
04:10...Turn Off

10:25...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
11:10...Turn Off

12:33...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
12:47...Turn Off

14:17...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
14:32...Turn Off

22:05...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
22:50...Turn Off

29 July 2010
==========
01:51...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:04...Turn Off

03:44...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:58...Turn Off

05:25...Turn On--CW/SSB
NA,North Asia,Middle East,
Europe,Africa
06:10...Turn Off

10:05...Turn On--CW/SSB
Oceania,Asia,Europe,NA
10:50...Turn Off

12:17...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
12:30...Turn Off

14:00...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
14:15...Turn Off

16:00...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
16:45...Turn Off

17:45...Turn On--CW/SSB
Africa,Europe,NA
18:30...Turn Off

21:50...Turn On--CW/SSB
Oceania,Asia,Europe,NA
22:35...Turn Off

30 July 2010
==========
01:35...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:49...Turn Off

03:27...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:42...Turn Off

12:30...Turn On--CW/SSB
Europe,NA,South America
13:15...Turn Off

17:30...Turn On--CW/SSB
India,Africa,Europe,NA
18:15...Turn Off

21:30...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
22:15...Turn Off

31 July 2010
==========

00:25...Turn On--CW/SSB
South America,NA,North Asia
01:10...Turn Off

01:20...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:35...Turn Off

11:20...Turn On--CW/SSB
Oceania,Asia,Europe,NA
12:05...Turn Off

13:55...Turn On--CW/SSB
Europe,NA,South America
14:40...Turn Off

17:00...Turn On--CW/SSB
Africa,Europe,NA
17:45...Turn Off

23:05...Turn On--CW/SSB
South America,NA,North Asia
23:50...Turn Off

01 Aug 2010
==========
00:50...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:35...Turn Off

06:20...Turn On--CW/SSB
North Asia,Europe,Africa
07:05...Turn Off

13:45...Turn On--CW/SSB
Europe,NA,South America
14:30...Turn Off

3630. UK Space Agency to launch CubeSat

Yahoo group: eu-amsat
Date: 2010-07-25 09:20:01 UTC
From: Trevor .
Topic: 3630 Message: 3630

The UK Space Agency has announced its intention to design and launch a CubeSat and is running a competition for ideas for payloads.

See
http://www.southgatearc.org/news/july2010/ukube_1.htm

AMSAT-UK Colloquium webstream July 31-Aug 1
http://www.batc.tv/ - Click on Live Events
Schedule (Times GMT+1)
http://www.uk.amsat.org/content/view/713/284/

73 Trevor M5AKA
Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/
Email Your News To: editor at southgatearc.org
Or Upload Using Form At: http://www.southgatearc.org/news/your_news_1.htm
---

3631. Ears!.

Yahoo group: eu-amsat
Date: 2010-07-25 14:15:03 UTC
From: John Hackett
Topic: 3631 Message: 3631
Attachments: 1 described; binary payloads are missing from this source WARC

Hello folks,
This goes a long way to why Roman (OK1DEU) can hear my 100mW so well.
(see pic). These days, I only transmit on an Arrow or an Elk, consequently, to be honest, Roman's aerial is doing most of the actual 'work'.

73 John. <la2qaa@...>

3632. IOTA ... (Islands On The Air).

Yahoo group: eu-amsat
Date: 2010-07-26 16:02:57 UTC
From: John Hackett
Topic: 3632 Message: 3632

INFORMATION FOR IOTA HUNTERS.

Normally, in a satellite exchange, I only give my locator (JP33WB) - but my QTH is in fact FREI ISLAND, IOTA EU 36, located at 63.02 degrees North and 7.48 degrees East.

It's just too long winded giving the entire QTH designation on CW so for the IOTA hunters, please be aware that JP33WB is IOTA EU-36.

I've lived on Frei Island for the past 21 years. Previous to that, my QTH was Gossen Island,
IOTA 56.

I've been involved with the IOTA program since it was started in the early 80's.

I've worked the analogue satellites daily from and including RS-10 up to and including HO-68
- except for 1 year AWOL (hospital) in 1997 - 1998.

The 'station' is still operated daily ... but in a much smaller capacity. Milliwatting now instead
of QRP, skill over *BRUTE* force of 2 watts.

100mW ito an 'Arrow' is more than enough on HO-68.

It still cracks me up thinking about K4***'s ... "You need at least 100w and a good antenna to work AO-7" ... you probably do - if you use a 50 ohm resistor as an aerial.

Incidentally, just the other day I was chatting to a station who mentioned he was G-QRP 13,000 and something-or-other ...

It made me realise how time flies, I was G-QRP nr 74.

73 John. <la2qaa@...>

3633. HO-68 QSL's.

Yahoo group: eu-amsat
Date: 2010-07-27 21:02:41 UTC
From: John Hackett
Topic: 3633 Message: 3633

Group,
A few more QSL cards have been added to the HO-68 blog at ...

<http://www.observations.biz/XW-1_BLOG/>

Anyone wishing to have received QSL cards - or any pertinent HO-68 information published on the HO-68 blog may submit the subject matter to either myself or <gm1sxx@...>

73 John. <la2qaa@...>

3634. Scottish triple Cubesat project. announced.

Yahoo group: eu-amsat
Date: 2010-07-28 10:51:00 UTC
From: Al
Topic: 3634 Message: 3634

Hi Group.

This one appears to be a commercial CUBESAT but not much fine detail is available yet.

http://www.observations.biz/Observations_from_Scotland/Observations_2010_07_27.htm

I'm a little bit disappointed at it's chosen name though :-J

http://www.bbc.co.uk/news/uk-scotland-glasgow-west-10774966

73 Al.
GM1SXX

3635. Re: [eu-amsat] Scottish triple Cubesat project. announced.

Yahoo group: eu-amsat
Date: 2010-07-28 12:50:15 UTC
From: Thomas Frey
Topic: 3634 Message: 3635

Al schrieb:
> Hi Group.
>

Hello Al and Group

> This one appears to be a commercial CUBESAT but not much fine detail is available yet.
>
> http://www.observations.biz/Observations_from_Scotland/Observations_2010_07_27.htm
>

You wrote: "Plenty of other CUBESATs have flown masquerading as
'amateur radio birds'. Hopefully this mission will be different."

Hopefully they use commercial frequencies for their commercial
experiments. Otherwise its an intruder and not an amateur radio
satellite! Our community has to be careful in dividing satellites,
CubeSats, into "HAM radio" and "not HAM Radio" satellites.

A new trend that's worry me are the new Indian Student satellites.
The first one flown with a "Packet Radio mailbox" was ANASat.
The actual launched StudSat was a "HAM bird" for about 2 days
with its CW-beacon, see http://www.teamstudsat.com/live.html.
Then they switched over to a data link on 437.505 MHz. On the
homepage http://www.teamstudsat.com/ you can read:

"Satellite Completed the beacon mode of communication and has entered
the mission mode, where in it will transmit encrypted data at 437.505
MHz and will not send the beacon."

This is forbidden and illegal!!

If we classifies StudSat as a HAM radio satellite, then we have
lost the game. And there are many more (Cube)Sats who appears
with amateur frequencies on board in the future. Please be critical.

This are our problems and not CubeSats in general.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3636. 200mW on HO-68.

Yahoo group: eu-amsat
Date: 2010-07-30 18:02:24 UTC
From: John Hackett
Topic: 3636 Message: 3636
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Roman, OK1DEU,
Excellent! CW operating on HO-68 - and thanks for copying my QRP again.

This time I was using 200mW from an FT-290RII barefoot to a 3 element 'Arrow' aerial on the 2m uplink
and a homebrew 6 element yagi on 70cm, no preamp.

This time I deliberately *DIDN'T* turn the rotor - (fixed elevation at 20 degrees) - to illustrate that you *DON'T* need a lot of power or exxpensive equipment to work HO-68.

However ... good operating proceeedure, like Roman's ... helps a great deal.

I CC'd this mail to the group ... you never know!, somebody might get the message.

Have a good day Roman, no need for another card.

73 John. <la2qaa@...>

3637. Food for thought.

Yahoo group: eu-amsat
Date: 2010-07-30 19:23:02 UTC
From: John Hackett
Topic: 2665 Message: 3637

Group,
Just to prove that it really is no problem copying my 200mW on HO-68 ... check out the attached post from OK1DEU.

By the way, Roman also makes a very good point ... HO-68''s beacon is transmitting with 200mW ...
and if you can hear that ..... well ...

THINK ABOUT IT

73 John. <la2qaa@...>
.....

>Cau John,

>no problem with copy your QRPp signals, there was QSB from
599 to 579 and I sent you 579, i think that the >QSO can make with 50mW if you
fit the right angle to XW-1 and good orbit, low elevation about 10 - 13
>degree. the beacon have 200mw and here i hear its 599 CW.
>

>50mW that will be goal. Try it John. 73!
roman

3638. ZRO type test.

Yahoo group: eu-amsat
Date: 2010-07-30 19:42:55 UTC
From: John Hackett
Topic: 3638 Message: 3638

Group,
After great success with CW milliwatting on HO-68 I intend to conduct a ZRO type test with OK1DEU the next time HO-68 is in analogue mode.

For those too young to remember, the ZRO tests were a series of tests conducted on the HRO's to test
the sensitivity of your receiving equipment.

CW text was transmitted and the power level was progressively decreased by 3dB until until the signal
was *REALLY* weak ... thereby 'testing' your receive capability.

Err ... I can assure! you ... you wouldn't get far with FM techniques..

73 John.

3639. AW: [eu-amsat] ZRO type test.

Yahoo group: eu-amsat
Date: 2010-07-30 20:10:00 UTC
From: Mike Rupprecht
Topic: 3638 Message: 3639
Attachments: 2 described; binary payloads are missing from this source WARC

Hi John,

maybe I am wrong but in my opinion the transponder output power of HO-68 is constant.

So your ZRO test would be an uplink test for very weak signals. Is this in fact correct?

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Freitag, 30. Juli 2010 21:43
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] ZRO type test.

Group,
After great success with CW milliwatting on HO-68 I intend to conduct a ZRO type test with
OK1DEU the next time HO-68 is in analogue mode.

For those too young to remember, the ZRO tests were a series of tests conducted on the HRO's to test
the sensitivity of your receiving equipment.

CW text was transmitted and the power level was progressively decreased by 3dB until until the signal
was *REALLY* weak ... thereby 'testing' your receive capability.

Err ... I can assure! you ... you wouldn't get far with FM techniques..

73 John.

3640. RE: AW: [eu-amsat] ZRO type test.

Yahoo group: eu-amsat
Date: 2010-07-30 21:08:46 UTC
From: John Hackett
Topic: 3638 Message: 3640

Hi Mike,
I believe you misunderstood my post.

I actually said *ZRO like* test ... (that is to say, my own transmitted signal) ... reducing it in 2 x 3dB
increments from 200mW down to 50mW ... as Roman suggested.

I mentioned it on the reflector for the sole purpose of illustrating that high power - (a *relative* term) -
is *NOT* necessary on HO-68.

You're quite correct in that HO-68's beacon is provisionally 'fixed' at 200mW.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@mike-rupprecht.de
Date: Fri, 30 Jul 2010 22:10:00 +0200
Subject: AW: [eu-amsat] ZRO type test.

Hi John,

maybe I am wrong but in my opinion the transponder output power of
HO-68 is constant.

So your ZRO test would be an uplink test for very weak signals. Is
this in fact correct?

73, Mike

DK3WN

Von:
eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett

Gesendet: Freitag, 30. Juli 2010 21:43

An: eu-amsat@yahoogroups.com

Betreff: [eu-amsat] ZRO type test.

Group,

After great success with
CW milliwatting on HO-68 I intend to conduct a ZRO type test with

OK1DEU the next time HO-68 is in analogue mode.

For those too young to remember, the ZRO tests were a series of tests conducted on the HRO's to test

the sensitivity of your receiving equipment.

CW text was transmitted and the power level was progressively decreased by 3dB until until the signal

was *REALLY* weak ... thereby 'testing' your receive capability.

Err ... I can assure! you ... you wouldn't get far with FM techniques..

73 John.

3641. Space Colloquium Webstreaming Started

Yahoo group: eu-amsat
Date: 2010-07-31 09:18:11 UTC
From: Trevor .
Topic: 3641 Message: 3641

See http://www.batc.tv/ - click on Live Events

Enter "/nick callsign" (e.g /nick M6ABC) in the chat window.

Schedule of Presentations
http://www.uk.amsat.org/content/view/713/284/1/2/

AMSAT-UK
http://www.uk.amsat.org/

73 Trevor M5AKA

3642. Re: [eu-amsat] ZRO type test.

Yahoo group: eu-amsat
Date: 2010-07-31 09:29:23 UTC
From: Thomas Frey
Topic: 3638 Message: 3642

Gentlemen

John is right. Linear means, if I transmit with low power, the transponder translates my signal linear into a low power signal. Same with my QRO signal.
Thats the difference to a repeater. There you have always the same or repeaters
downlink power.

But I don't know if HO-68's Linear transponder is in SDR technique. If yes if a ZRO test would work correctly ?

John Hackett schrieb:
>
>
> Hi Mike,
> I believe you misunderstood my post.
>
> I actually said *ZRO like* test ... (that is to say, my own
> transmitted signal) ... reducing it in 2 x 3dB
> increments from 200mW down to 50mW ... as Roman suggested.
>
> I mentioned it on the reflector for the sole purpose of illustrating
> that high power - (a *relative* term) -
> is *NOT* necessary on HO-68.
>
> You're quite correct in that HO-68's beacon is provisionally 'fixed'
> at 200mW.
>
> 73 John. <la2qaa@...>
>
> ---
> To: eu-amsat@yahoogroups.com
> From: mail@...
> Date: Fri, 30 Jul 2010 22:10:00 +0200
> Subject: AW: [eu-amsat] ZRO type test.
>
>
> Hi John,
>
> maybe I am wrong but in my opinion the transponder output power of
> HO-68 is constant.
>
> So your ZRO test would be an uplink test for very weak signals. Is
> this in fact correct?
>

> 73, Mike
>
> DK3WN
>
> *Von:* eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] *Im
> Auftrag von *John Hackett
> *Gesendet:* Freitag, 30. Juli 2010 21:43
> *An:* eu-amsat@yahoogroups.com
> *Betreff:* [eu-amsat] ZRO type test.
>
> Group,
> After great success with CW milliwatting on HO-68 I intend
> to conduct a ZRO type test with
> OK1DEU the next time HO-68 is in analogue mode.
>
> For those too young to remember, the ZRO tests were a series of tests
> conducted on the HRO's to test
> the sensitivity of your receiving equipment.
>
> CW text was transmitted and the power level was progressively
> decreased by 3dB until until the signal
> was *REALLY* weak ... thereby 'testing' your receive capability.
>
> Err ... I can assure! you ... you wouldn't get far with FM techniques..
>
> 73 John.
>
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3643. (no subject)

Yahoo group: eu-amsat
Date: 2010-08-01 14:34:24 UTC
From: John Hackett
Topic: 3643 Message: 3643

Group,
Mike, DK3WN has come up with an excellent suggestion.

He suggests an interesting experiment on HO-68, namely, a ZRO type test where stations can test their receiving capability.

For those unfamiliar with the concept, here's a brief explanation.

.....
.....

ZRO Memorial Technical Achievement Award Program
The ZRO Memorial Technical Achievement Award Program, or just "ZRO Test" was most recently held on AMSAT OSCAR-13. This activity is a test of operating skill and equipment performance.

During a typical ZRO run, a control station will send numeric code groups using CW at 10 words-per-minute. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower his uplink power by 3 dB (half power) and repeat the procedure with a new random number (level "1"). This will continue to a level 30 dB below the beacon (level "A").

A participating listener monitors the downlink signals till he can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge is to improve home-station performance to a point where the lower-level downlink signals can be copied (levels 6 through A). To date, only one station (Darrel Emerson AA7FV) has successfully copied level "A".

With AO-13 out of commission, the ZRO test is not being held.

.....
.....

There will be no awards available for an HO-68 test, it will merely allow operators to test their receiving capability at diminishing power levels. However, it will follow the general principle of ZRO tests held on

P3E and earlier HEO satellites ... but using 5 figure 'letter' groups as opposed to figure groups.

('Figures' may be copied at the 200mW level from the beacon anytime).

Each consequative set of 5 figure groups would be attenuated by 3Db.

Let me know if there is sufficient interest ... otherwise there wouldn't be much point in taking up
transponder space if nobody is interested.

The object of the exercise would also be to illustrate that high power is detrimental to the satellite.

73 John. <la2qaa@...>

3644. HO-68 schedule 1 - 8 August.

Yahoo group: eu-amsat
Date: 2010-08-01 18:24:02 UTC
From: John Hackett
Topic: 3644 Message: 3644

ALL TIMES UTC.

01 Aug 2010
==========
16:55...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
17:40...Turn Off

18:45...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:30...Turn Off

20:10...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
21:55...Turn Off

02 Aug 2010
==========
00:35...Turn On--FM/PACSAT
South America,NA,North Asia
01:20...Turn Off

02:32...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:47...Turn Off

10:45...Turn On--FM/PACSAT
Oceania,India,South Asia,
Middle East,Europe,North Asia
11:30...Turn Off

16:40...Turn On--FM/PACSAT
Africa,Europe,NA
17:25...Turn Off

22:30...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:15...Turn Off

03 Aug 2010
==========
00:20...Turn On--FM/PACSAT
South America,NA,North Asia
01:05...Turn Off

02:19...Turn On--FM/PACSAT
North Asia, East Asia, South Asia
02:34...Turn Off

10:30...Turn On--FM/PACSAT
Oceania,Asia,Europe
11:15...Turn Off

13:10...Turn On--FM/PACSAT
NA,Europe,Africa,South America
13:55...Turn Off

16:20...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:05...Turn Off

18:10...Turn On--FM/PACSAT
Africa,Europe,NA
18:55...Turn Off

22:15...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:05...Turn Off

04 Aug 2010
==========
02:03...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:17...Turn Off

10:10...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
10:55...Turn Off

12:50...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
13:35...Turn Off

16:05...Turn On--FM/PACSAT
Africa,Europe,NA
16:50...Turn Off

21:55...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
22:40...Turn Off

05 Aug 2010
==========
01:35...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:20...Turn Off

05:17...Turn On--FM/PACSAT
North Asia,Middle East,South Asia
05:33...Turn Off

09:55...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
10:40...Turn Off

12:35...Turn On--FM/PACSAT
Europe,NA,South America
13:20...Turn Off

17:35...Turn On--FM/PACSAT
Africa,India,Middle East,Europe,NA
18:20...Turn Off

19:05...Turn On--FM/PACSAT
Africa,Europe,NA
19:50...Turn Off

21:40...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
22:25...Turn Off

06 Aug 2010
==========
01:20...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:05...Turn Off

09:40...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
10:25...Turn Off

12:15...Turn On--FM/PACSAT
Europe,NA,South America
13:00...Turn Off

17:20...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:05...Turn Off

21:25...Turn On--FM/PACSAT
South America,Africa,NA,
Europe,North Asia,East Asia
22:10...Turn Off

07 Aug 2010
==========
01:00...Turn On--FM/PACSAT
South America,NA,North Asia
01:45...Turn Off

02:54...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:09...Turn Off

11:10...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
11:55...Turn Off

13:50...Turn On--FM/PACSAT
Europe,NA,South America
14:35...Turn Off

17:00...Turn On--FM/PACSAT
Africa,Europe,NA
17:45...Turn Off

22:55...Turn On--FM/PACSAT
South America,NA,North Asia
23:40...Turn Off

08 Aug 2010
==========
00:45...Turn On--FM/PACSAT
NA,North Asia,East Asia,
South Asia,Oceania
01:30...Turn Off

02:38...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:54...Turn Off

06:10...Turn On--FM/PACSAT
North Asia,Europe,Africa
06:55...Turn Off

13:33...Turn On--FM/PACSAT
Europe,NA,South America
14:18...Turn Off

3645. Amsat-UK

Yahoo group: eu-amsat
Date: 2010-08-01 20:29:59 UTC
From: Luciano Gasparini
Topic: 3645 Message: 3645

the Amsat Symposium this weekend was great! My very first time on such an event.
It was nice to hear Peter on HEO and P-5A. Lot's of interesting new technologies out of Europe. Will be there for the next one!
73,
Luciano Gasparini
PT9KK
Brazil

On 01/08/2010, at 15:34, John Hackett <archie.hackett@hotmail.com> wrote:

Group,
Mike, DK3WN has come up with an excellent suggestion.

He suggests an interesting experiment on HO-68, namely, a ZRO type test where stations can test their receiving capability.

For those unfamiliar with the concept, here's a brief explanation.

.....
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ZRO Memorial Technical Achievement Award Program

The ZRO Memorial Technical Achievement Award Program, or just "ZRO Test" was most recently held on AMSAT OSCAR-13. This activity is a test of operating skill and equipment performance.
During a typical ZRO run, a control station will send numeric code groups using CW at 10 words-per-minute. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero". The control operator will send and repeat a random five-digit number, then lower his uplink power by 3 dB (half power) and repeat the procedure with a new random number (level "1"). This will continue to a level 30 dB below the beacon (level "A").
A participating listener monitors the downlink signals till he can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge is to improve home-station performance to a point where the lower-level downlink signals can be copied (levels 6 through A). To date, only one station (Darrel Emerson AA7FV) has successfully copied level "A".
With AO-13 out of commission, the ZRO test is not being held.

.....
.....

There will be no awards available for an HO-68 test, it will merely allow operators to test their receiving capability at diminishing power levels. However, it will follow the general principle of ZRO tests held on

P3E and earlier HEO satellites ... but using 5 figure 'letter' groups as opposed to figure groups.

('Figures' may be copied at the 200mW level from the beacon anytime).

Each consequative set of 5 figure groups would be attenuated by 3Db.

Let me know if there is sufficient interest ... otherwise there wouldn't be much point in taking up
transponder space if nobody is interested.

The object of the exercise would also be to illustrate that high power is detrimental to the satellite.

73 John. <la2qaa@...>

3646. Re: [eu-amsat] [ZRO Test]

Yahoo group: eu-amsat
Date: 2010-08-01 21:17:52 UTC
From: Thomas Frey
Topic: 3643 Message: 3646

John Hackett schrieb:
>
>
> Group,
> Mike, DK3WN has come up with an excellent suggestion.
>
> He suggests an interesting experiment on HO-68, namely, a ZRO type
> test where stations can test their receiving capability.
>
Hello John and Group

This could be an interesting experiment to know:

a) is the transponder built in DSP-technique (SDX) or
b) in discrete technique

If in a) would the input of all signals be fixed to the same level ?
If yes, a ZRO test would not work. Try it out first and ask later.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3647. [ZRO Test]

Yahoo group: eu-amsat
Date: 2010-08-01 22:29:22 UTC
From: John Hackett
Topic: 3643 Message: 3647

QSL Thomas,
I've already tested ther concept with Roman OK1DEU as well as my own *private*
ZRO type tests before I started waffling about milliwatting on HO-68.

Reducing uplink power reduces downlink power linearly so a ZRO type of experiment *WILL*
work as envisaged.

I'm hoping such an experiment will convince operators to try to reduce power by 50% - as I
have previously suggested ... at least to try it at TCA - (time of closest approach).

I forgot to mention in my earlier posts ... OK1DEU copied my 200mW with the satellite only
3 degrees
above the horizon ... with me using simple aerials.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Sun, 1 Aug 2010 23:17:52 +0200
Subject: Re: [eu-amsat] [ZRO Test]

John Hackett schrieb:

>

>

> Group,

> Mike, DK3WN has come up with an excellent suggestion.

>

> He suggests an interesting experiment on HO-68, namely, a ZRO type

> test where stations can test their receiving capability.

>

Hello John and Group

This could be an interesting experiment to know:

a) is the transponder built in DSP-technique (SDX) or

b) in discrete technique

If in a) would the input of all signals be fixed to the same level ?

If yes, a ZRO test would not work. Try it out first and ask later.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3648. More experimenting.

Yahoo group: eu-amsat
Date: 2010-08-01 22:42:04 UTC
From: John Hackett
Topic: 3648 Message: 3648

Group,
A pair of control operators have already had a successful D-Star QSO via AO-27.

In Europe we have the Belgian OUFTI-1 scheduled on the Vega launch later this year ... but AO-27
is still switched on for about two minutes each day, around midday over Frei Island with 500mW.

Do we have anyone in the group with D-Star equipment, home in the middle of the day, who operates
AO-27 ??.

It would be interesting to see if D-Star TV fares any better than PSK31 as a satellite 'mode'.

73 John. <la2qaa@amsat.org>

3649. Re: Amsat-UK

Yahoo group: eu-amsat
Date: 2010-08-02 21:13:16 UTC
From: m5aka
Topic: 3645 Message: 3649

--- In eu-amsat@yahoogroups.com, Luciano Gasparini <luciano_nachif@...> wrote:
>
> the Amsat Symposium this weekend was great! My very first time on such an event.
> It was nice to hear Peter on HEO and P-5A. Lot's of interesting new technologies out of Europe. Will be there for the next one!

Glad to hear you enjoyed it Luciano.

For those how weren't able to watch it at the weekend the videos of the lectures should be available on the www.batc.tv web site in a couple of weeks time.

73 Trevor M5AKA

3650. Strathclyde - Offset Geostationary Orbits

Yahoo group: eu-amsat
Date: 2010-08-02 21:17:40 UTC
From: m5aka
Topic: 3650 Message: 3650

This was an interesting story, it looks like there may be more 'geostationary' slots available than previously thought, see

http://www.southgatearc.org/news/july2010/offset_geostationary_orbits.htm

But the big problem for Amateur still remains getting payloads into those orbits.

73 Trevor M5AKA

3651. Re: [eu-amsat] Re: Amsat-UK

Yahoo group: eu-amsat
Date: 2010-08-02 22:00:52 UTC
From: Luciano Gasparini
Topic: 3645 Message: 3651

Trevor,

I was impressed!
Until that day I wasn't aware of that much European Technology. The more I get in contact with Europe the more I learn!

There where several interesting lectures but one won't catch every little piece of it if he doesn't enjoy all extra activities.

Getting to know people, making friends, having fun at actions and raffles is just part of the Colloquium.

At the end of the day I met people who are improving our hobby and some who are the future of it, icons whose work and dedication shall be remembered as islands of excellence.

I'm glad I was there and will do my best to attend next year!

73,
Luciano Gasparini
PT9KK

--- On Mon, 8/2/10, m5aka <m5aka@...> wrote:

From: m5aka <m5aka@...>
Subject: [eu-amsat] Re: Amsat-UK
To: eu-amsat@yahoogroups.com
Date: Monday, August 2, 2010, 4:13 PM

--- In eu-amsat@yahoogroups.com, Luciano Gasparini <luciano_nachif@...> wrote:
>
> the Amsat Symposium this weekend was great! My very first time on such an event.
> It was nice to hear Peter on HEO and P-5A. Lot's of interesting new technologies out of Europe. Will be there for the next one!

Glad to hear you enjoyed it Luciano.

For those how weren't able to watch it at the weekend the videos of the lectures should be available on the www.batc.tv web site in a couple of weeks time.

73 Trevor M5AKA

3652. Re: Amsat-UK

Yahoo group: eu-amsat
Date: 2010-08-04 07:27:15 UTC
From: William L
Topic: 3645 Message: 3652

Hi AMSATs,

Like Luciano said, it was very nice to getting to know people and making friends. I also enjoyed the Colloquium as it was also my first time at AMSAT-UK.

The thing I missed was P3e, or some other high altitude satellite to make QSO's with. Althought we still enjoyed the nice stories of AO-10, AO13, P3d :o) From what I've seen (also at other events) I believe these good times are over, as the CubeSats gaining more space and increase launch prices.

I am looking forward to the P3e HEO, so maybe next time I can chat to Luciano in Brazil by a real satellite rather then like now by internet :o)

William Leijenaar
PE1RAH

--- In eu-amsat@yahoogroups.com, Luciano Gasparini <luciano_nachif@...> wrote:
>
> Trevor,
> Â
> I was impressed!
> Until that day I wasn't aware of that much European Technology. The more I get in contact with Europe the more I learn!
> Â
> There where several interesting lectures but one won't catch every little piece of it if he doesn't enjoy all extra activities.
> Â
> Getting to know people, making friends, having fun at actions and raffles is just part of the Colloquium.
> Â
> At the end of the day I met people who areÂ improving our hobby and some who are the future of it, icons whose work and dedication shall be remembered as islands of excellence.
> Â
> I'm glad I was there and will do my best to attend next year!
> Â
> 73,
> Luciano Gasparini
> PT9KK
>
>
> --- On Mon, 8/2/10, m5aka <m5aka@...> wrote:
>
>
> From: m5aka <m5aka@...>
> Subject: [eu-amsat] Re: Amsat-UK

> To: eu-amsat@yahoogroups.com
> Date: Monday, August 2, 2010, 4:13 PM
>
>
> Â
>
>
>
> --- In eu-amsat@yahoogroups.com, Luciano Gasparini <luciano_nachif@> wrote:
> >
> > the Amsat Symposium this weekend was great! My very first time on such an event.
> > It was nice to hear Peter on HEO and P-5A. Lot's of interesting new technologies out of Europe. Will be there for the next one!
>
> Glad to hear you enjoyed it Luciano.
>
> For those how weren't able to watch it at the weekend the videos of the lectures should be available on the www.batc.tv web site in a couple of weeks time.
>
> 73 Trevor M5AKA
>

3653. Re: [eu-amsat] Re: Amsat-UK

Yahoo group: eu-amsat
Date: 2010-08-04 10:52:36 UTC
From: Thomas Frey
Topic: 3645 Message: 3653

William L schrieb:
> Hi AMSATs,
>
> Like Luciano said, it was very nice to getting to know people and making friends. I also enjoyed the Colloquium as it was also my first time at AMSAT-UK.
>
> The thing I missed was P3e, or some other high altitude satellite to make QSO's with. Althought we still enjoyed the nice stories of AO-10, AO13, P3d :o) From what I've seen (also at other events) I believe these good times are over, as the CubeSats gaining more space and increase launch prices.
>
> I am looking forward to the P3e HEO, so maybe next time I can chat to Luciano in Brazil by a real satellite rather then like now by internet :o)
>
> William Leijenaar
> PE1RAH
>

Hello William

Glad to see that you are looking forward for P3E. You are at the right place here for the latest news about P3E. The last news you can read here:

http://www.southgatearc.org/news/july2010/phase_3e_news.htm
http://www.southgatearc.org/news/may2010/p3e_microwave_transponder.htm
http://www.southgatearc.org/news/july2008/p3e_update.htm

And more on
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102

But I can't give you a show like Peter did. :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3654. AMSAT-UK Colloquium Videos Available

Yahoo group: eu-amsat
Date: 2010-08-07 21:30:38 UTC
From: Trevor .
Topic: 3654 Message: 3654

AMSAT-UK Colloquium Videos Available

Videos of the presentations given at the 25th AMSAT-UK International Space Colloquium are now available on the web

You can view and download them at

http://www.batc.tv/

Click on the 'Film Archive' icon and then select an 2010 AMSAT video.

The Colloquium schedule can be seen at
http://www.uk.amsat.org/content/view/713/284/1/2/

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at https://secure.amsat.org.uk/subs_form/

Getting started on Amateur Radio Satellites PDF
http://www.uk.amsat.org/content/view/408/168/

73 Trevor M5AKA

Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/

3655. HO-68 schedule. 8-15 August

Yahoo group: eu-amsat
Date: 2010-08-08 16:30:21 UTC
From: John Hackett
Topic: 3655 Message: 3655

ALL TIMES UTC.

08 Aug 2010
==========
16:45...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:20...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:45...Turn Off

09 Aug 2010
==========
00:25...Turn On--CW/SSB
South America,NA,North Asia
01:10...Turn Off

02:21...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:37...Turn Off

10:35...Turn On--CW/SSB
Oceania,India,South Asia,
Middle East,Europe,North Asia
11:20...Turn Off

16:30...Turn On--CW/SSB
Africa,Europe,NA
17:15...Turn Off

22:20...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:05...Turn Off

10 Aug 2010
==========
00:10...Turn On--CW/SSB
South America,NA,North Asia
00:55...Turn Off

02:04...Turn On--CW/SSB
North Asia, East Asia, South Asia
02:17...Turn Off

10:20...Turn On--CW/SSB
Oceania,Asia,Europe
11:05...Turn Off

13:00...Turn On--CW/SSB
NA,Europe,Africa,South America
13:45...Turn Off

16:15...Turn On--CW/SSB
India,Middle East,Europe,NA
17:00...Turn Off

18:00...Turn On--CW/SSB
Africa,Europe,NA
18:45...Turn Off

22:05...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
22:50...Turn Off

11 Aug 2010
==========
01:53...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:06...Turn Off

10:00...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
10:45...Turn Off

12:40...Turn On--CW/SSB
Oceania,East Asia,North Asia,Europe
13:25...Turn Off

16:00...Turn On--CW/SSB
Africa,Europe,NA
16:45...Turn Off

21:45...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
22:30...Turn Off

12 Aug 2010
==========
01:36...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:51...Turn Off

05:00...Turn On--CW/SSB
North Asia,Middle East,South Asia
05:45...Turn Off

09:45...Turn On--CW/SSB
Oceania,Asia,Europe,NA
10:30...Turn Off

12:25...Turn On--CW/SSB
Europe,NA,South America
13:10...Turn Off

17:25...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
18:10...Turn Off

18:55...Turn On--CW/SSB
Africa,Europe,NA
19:40...Turn Off

21:30...Turn On--CW/SSB
Oceania,Asia,Europe,NA
22:15...Turn Off

13 Aug 2010
==========
01:05...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:50...Turn Off

09:30...Turn On--CW/SSB
Oceania,Asia,Europe,NA
10:15...Turn Off

12:00...Turn On--CW/SSB
Europe,NA,South America
12:45...Turn Off

17:10...Turn On--CW/SSB
India,Africa,Europe,NA
17:55...Turn Off

21:10...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
21:55...Turn Off

14 Aug 2010
==========
00:50...Turn On--CW/SSB
South America,NA,North Asia
01:35...Turn Off

02:50...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:05...Turn Off

11:00...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:45...Turn Off

13:35...Turn On--CW/SSB
Europe,NA,South America
14:20...Turn Off

16:55...Turn On--CW/SSB
Africa,Europe,NA
17:40...Turn Off

22:45...Turn On--CW/SSB
South America,NA,North Asia
23:30...Turn Off

15 Aug 2010
==========
00:35...Turn On--CW/SSB
NA,North Asia,East Asia,
South Asia,Oceania
01:20...Turn Off

02:33...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:48...Turn Off

06:00...Turn On--CW/SSB
North Asia,Europe,Africa
06:45...Turn Off

12:53...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
13:07...Turn Off

13:20...Turn On--CW/SSB
Europe,NA,South America
14:05...Turn Off

3656. An FYI.

Yahoo group: eu-amsat
Date: 2010-08-08 19:08:03 UTC
From: John Hackett
Topic: 3656 Message: 3656

Amusingly, the attempts at deliberate QRM persist ... despite their complete failure.

On thae last HO-68 pass, an Italian 'gentleman' decided to call CQ on top of my QRP, no matter whether I moved up or down - to leave him to it.

As per usual with such operators, the faster he tried to send - the more mistakes he made ... thereby proving his (in)competance as an operator.

There ought to be an award for such childish behavious. I''ve never managed to understand why grown people spend money on amateur equipment, to disturb others ... instead of having a QSO.

A good clean QRP signal will *Always* be more readable than a series of mistakes from an operator
trying to send faster than he's comfortable with or capable of.

Usually, such people just looking for attention - (yes, we can all hear you).

There you go !!! sir ... you're getting your 'attention'.

Clown.

73 John.

3657. Re: [eu-amsat] HO-68 schedule. 8-15 August

Yahoo group: eu-amsat
Date: 2010-08-08 22:40:04 UTC
From: Thomas Frey
Topic: 3655 Message: 3657

John Hackett schrieb:

ALL TIMES UTC.

08 Aug 2010
==========
16:45...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:20...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:45...Turn Off

Hello John

In the schedule before it was "FM/PACSAT" scheduled for/until 8th August. If I'm right, that after a week of only "FM/PACSAT" a week of mixed modes follows at Sunday with "CW/SSB" ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3658. HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-08-09 09:18:52 UTC
From: John Hackett
Topic: 3655 Message: 3658

Hello Thomas,
The HO-68 schedule is following it's normal pattern of one week FM voice (with the 67Hz tone) - plus 'digital' (Pacsat) ... followed by one week of 'linear' operation with mixed modes, (CW/SSB).

The weekly schedule changes, as you correctly surmise, every Sunday evening GMT.

There are *occasional* deviations from the weekly schedule for special events and sometimes 'special' modes like SSTV.

Unfortunately, it appears that some people don't always read the schedule.

That, we can't do anything about - except request they read it either here, on the Amsat-bb, on the
HO-68 blog. on Mike's website (DK3WN), on Observations or on the Southgate (London Wireless Club) site.

It's probably posted at other places too.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 9 Aug 2010 00:40:04 +0200
Subject: Re: [eu-amsat] HO-68 schedule. 8-15 August

John Hackett schrieb:

ALL TIMES UTC.

08 Aug 2010
==========
16:45...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:20...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:45...Turn Off

Hello John

In the schedule before it was "FM/PACSAT" scheduled for/until 8th

August. If I'm right, that after a week of only "FM/PACSAT" a
week of

mixed modes follows at Sunday with "CW/SSB" ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3659. HO-68 Weekly schedule.

Yahoo group: eu-amsat
Date: 2010-08-13 07:07:33 UTC
From: John Hackett
Topic: 3480 Message: 3659

All TIMES UTC.

15 Aug 2010
==========
16:35...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
17:20...Turn Off

18:25...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:10...Turn Off

19:50...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
20:35...Turn Off

16 Aug 2010
==========
00:15...Turn On--FM/PACSAT
South America,NA,North Asia
01:00...Turn Off

02:11...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:27...Turn Off

16:20...Turn On--FM/PACSAT
Africa,Europe,NA
17:05...Turn Off

22:10...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
22:55...Turn Off

17 Aug 2010
==========
00:00...Turn On--FM/PACSAT
South America,NA,North Asia
00:45...Turn Off

10:10...Turn On--FM/PACSAT
Oceania,Asia,Europe
10:55...Turn Off

16:00...Turn On--FM/PACSAT
India,Middle East,Europe,NA
16:45...Turn Off

17:50...Turn On--FM/PACSAT
Africa,Europe,NA
18:35...Turn Off

21:50...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
22:35...Turn Off

18 Aug 2010
==========
09:55...Turn On--FM/PACSAT
Oceania,East Asia,North Asia,Europe
10:40...Turn Off

16:00...Turn On--FM/PACSAT
Africa,Europe,NA
16:45...Turn Off

21:35...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
22:20...Turn Off

19 Aug 2010
==========
01:42...Turn On--FM/PACSAT
South Asia,Oceania
02:00...Turn Off

06:40...Turn On--FM/PACSAT
Middle East,India,Africa
07:25...Turn Off

09:35...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
10:20...Turn Off

12:15...Turn On--FM/PACSAT
Europe,NA,South America
13:00...Turn Off

17:15...Turn On--FM/PACSAT
Africa,India,Middle East,Europe,NA
18:00...Turn Off

18:45...Turn On--FM/PACSAT
Africa,Europe,NA
19:30...Turn Off

```
21:20...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
22:05...Turn Off

20 Aug 2010
================================
09:20...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
10:05...Turn Off

12:00...Turn On--FM/PACSAT
Europe,NA,South America
12:45...Turn Off

17:00...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:45...Turn Off

22:50...Turn On--FM/PACSAT
South America,Africa,NA,
Europe,North Asia,East Asia
23:35...Turn Off

21 Aug 2010
================================
00:40...Turn On--FM/PACSAT
South America,NA,North Asia
01:25...Turn Off

02:30...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:45...Turn Off

10:50...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
11:35...Turn Off

13:25...Turn On--FM/PACSAT
Europe,NA,South America
14:10...Turn Off

16:45...Turn On--FM/PACSAT
Africa,Europe,NA
17:30...Turn Off

22:35...Turn On--FM/PACSAT
South America,NA,North Asia
23:20...Turn Off

22 Aug 2010
================================
00:20...Turn On--FM/PACSAT
NA,North Asia,East Asia,
South Asia,Oceania
```

01:05...Turn Off

02:21...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:37...Turn Off

05:50...Turn On--FM/PACSAT
North Asia,Europe,Africa
06:35...Turn Off

13:10...Turn On--FM/PACSAT
Europe,NA,South America
13:55...Turn Off

3660. Question about CubeSat and PC/104 connector

Yahoo group: eu-amsat
Date: 2010-08-15 11:56:03 UTC
From: William L
Topic: 3660 Message: 3660

Hello AMSATs,

During the AMSAT-UK Colloquium I have presented my CubeSat size linear transponder. There I got to know more about the PC/104 connector, which is used in many CubeSat projects.

My transponder design doesn't have this PC/104 connector, because when I designed it I didn't see any standard that was accepted. As I got requests for a design with the PC/104 connector I like to know how well this connector is now a standard in CubeSat world ?

The PC/104 is a huge connector and "eats" a lot of board space and also adds extra weight too(104 copper pins). Nevertheless, when it is a (final) standard and interrest is available I am concidering to adapt my transponder design with this PC/104 connector.

To do so I need to know the details of the board sizes and placement of the PC/104 connector on the board. Does anyone have these details, or know where I can find these ?

Many thanks,

73 William Leijenaar
PE1RAH

3661. SUMBANDILASAT RETURNS TO OPERATION SLOWLY

Yahoo group: eu-amsat
Date: 2010-08-15 13:39:24 UTC
From: Thomas Frey
Topic: 3661 Message: 3661

15 August 2010 UTC

Europe
17:07
18:39

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3662. Re: Question about CubeSat and PC/104 connector

Yahoo group: eu-amsat
Date: 2010-08-16 08:28:11 UTC
From: Al
Topic: 3660 Message: 3662

--- In eu-amsat@yahoogroups.com, "William L" <pe1rah@...> wrote:
>
> Hello AMSATs,
>
> During the AMSAT-UK Colloquium I have presented my CubeSat size linear transponder. There I got to know more about the PC/104 connector, which is used in many CubeSat projects.
>
Hi William.

PC/104 as best I can tell is a standard for embedded computers/controllers. There seems to be quite a lot of info out there on the wobbly-wide-web about PC/104 embedded controller standard.

http://en.wikipedia.org/wiki/PC/104
http://www.interfacebus.com/Design_Connector_PC104.html
http://www.pc104.org/
http://www.pc104.org/pc104_plus_specs.php
http://www.interfacebus.com/Design_PC104_Pinout.html
http://www.controlled.com/pc104faq/

Hopefully you will find something useful there.

Vy 73
Al.
GM1SXX

3663. Clyde Space

Yahoo group: eu-amsat
Date: 2010-08-16 21:08:54 UTC
From: m5aka
Topic: 3663 Message: 3663

Clyde Space are a Scottish company that are catering for the growing CubeSat market (just wish there were more with transponders).

An interview given at the Farnborough Air Show can be seen at

http://www.southgatearc.org/news/august2010/clyde_space_interview.htm

and there is also a link there to the video of the presentation that Clyde Space gave at the AMSAT-UK Colloquium.

What struck me about the presentation was the comment that the company had supplied parts for 20 CubeSats but none of them had yet flown. This probably indicates a shortage of launch opportunities, a shortage of funding to buy a launch or the fact that some CubeSats are built without them ever intending to fly - the educational benefit I guess is derived from the design, assembly testing and project management aspects.

73 Trevor M5AKA

3664. Re: Question about CubeSat and PC/104 connector

Yahoo group: eu-amsat
Date: 2010-08-18 11:16:35 UTC
From: William L
Topic: 3660 Message: 3664

Hello Al,

Thanks for your reply.
It took me some time to find out which connector is used in the CubeSats, as I seen several kinds of connectors and was focussed on 104pins. With some comparing of pictures it seems to be the PC/104 Plus connector which has 120pins and not 104pins I was focussed on.

A quick check shows that I even have space left compared to my design, so I can add some features like HELAPS to increase efficiency.

Thanks for your help,

73 de PE1RAH
William Leijenaar

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
>
> --- In eu-amsat@yahoogroups.com, "William L" <pe1rah@> wrote:
> >
> > Hello AMSATs,
> >
> > During the AMSAT-UK Colloquium I have presented my CubeSat size linear transponder. There I got to know more about the PC/104 connector, which is used in many CubeSat projects.
> >
> Hi William.
>
> PC/104 as best I can tell is a standard for embedded computers/controllers. There seems to be quite a lot of info out there on the wobbly-wide-web about PC/104 embedded controller standard.
>
> http://en.wikipedia.org/wiki/PC/104
> http://www.interfacebus.com/Design_Connector_PC104.html
> http://www.pc104.org/
> http://www.pc104.org/pc104_plus_specs.php
> http://www.interfacebus.com/Design_PC104_Pinout.html
> http://www.controlled.com/pc104faq/
>
> Hopefully you will find something useful there.
>
> Vy 73
> Al.
> GM1SXX
>

3665. HO-68 weekly schedule

Yahoo group: eu-amsat
Date: 2010-08-22 10:17:08 UTC
From: John Hackett
Topic: 3410 Message: 3665

```
ALL TIMES UTC.

22 Aug 2010
================================
16:25...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:10...Turn Off

18:15...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:00...Turn Off

19:40...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:25...Turn Off

23 Aug 2010
================================
00:05...Turn On--CW/SSB
South America,NA,North Asia
00:50...Turn Off

02:01...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:16...Turn Off

10:15...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
11:00...Turn Off

16:10...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:55...Turn Off

22:00...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
22:45...Turn Off

24 Aug 2010
================================
00:00...Turn On--CW/SSB
South America,NA,North Asia
00:45...Turn Off
```

01:40...Turn On--CW/SSB
South America,NA,North Asia
02:25...Turn Off

10:00...Turn On--CW/SSB
Oceania,Asia,Europe
10:45...Turn Off

12:40...Turn On--CW/SSB
Europe,NA,South America
13:25...Turn Off

16:00...Turn On--CW/SSB
India,Middle East,Europe,NA
16:45...Turn Off

23:30...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
24:15...Turn Off

25 Aug 2010
==========
01:29...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:45...Turn Off

11:50...Turn On--CW/SSB
Oceania,East Asia,North Asia
12:02...Turn Off

12:20...Turn On--CW/SSB
Europe,NA,South America
13:05...Turn Off

17:25...Turn On--CW/SSB
Africa,Europe,NA
18:02...Turn Off

23:15...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
24:00...Turn Off

26 Aug 2010
==========
01:05...Turn On--CW/SSB
Asia,Oceania
01:50...Turn Off

06:30...Turn On--CW/SSB
Middle East,India,Africa
07:15...Turn Off

11:10...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:55...Turn Off

12:00...Turn On--CW/SSB
Europe,NA,South America
12:45...Turn Off

17:10...Turn On--CW/SSB
Africa,India,Middle East,Europe,NA
17:55...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,NA
19:20...Turn Off

23:00...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:45...Turn Off

27 Aug 2010
==========
02:41...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:57...Turn Off

10:55...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:40...Turn Off

11:50...Turn On--CW/SSB
Europe,NA,South America
12:35...Turn Off

16:50...Turn On--CW/SSB
India,Africa,Europe,NA
17:35...Turn Off

22:40...Turn On--CW/SSB
South America,Africa,NA,
Europe,North Asia,East Asia
23:25...Turn Off

28 Aug 2010
==========
00:30...Turn On--CW/SSB
South America,NA,North Asia
01:15...Turn Off

02:29...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:44...Turn Off

10:40...Turn On--CW/SSB
Oceania,Asia,Europe,NA
11:25...Turn Off

13:20...Turn On--CW/SSB
Europe,NA,South America
14:05...Turn Off

16:35...Turn On--CW/SSB
Africa,Europe,NA
17:20...Turn Off

22:25...Turn On--CW/SSB
South America,NA,North Asia
23:10...Turn Off

29 Aug 2010
==========
00:10...Turn On--CW/SSB
NA,North Asia,East Asia,
South Asia,Oceania
01:55...Turn Off

02:10...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:25...Turn Off

05:40...Turn On--CW/SSB
North Asia,Europe,Africa
06:25...Turn Off

13:00...Turn On--CW/SSB
Europe,NA,South America
13:45...Turn Off

3666. Knife edge QRP.

Yahoo group: eu-amsat
Date: 2010-08-22 16:58:10 UTC
From: John Hackett
Topic: 3666 Message: 3666

Group,
For anyone interested ...

Very interesting knife-edge propagation QSO's on AO-7 this aftwernoon/evening using FREIKOLLEN, the
largest mountain on the island as the secondary takeoff - (reflector).

I did this previously from my last QTH with about 40 watts to a 6 element yagi but today I worked 4 stations
on a single pass with hust 5 watts to the same 6 element homebrew yagi.

Considering I'm not *allowed* to have anything but a TV aerial at the new QTH I appear to be doing OK.

Unfortunately, the neighbours complain if I use anything above 200mW on 2m so I'm QRPp on HO-68 but
QRO !!! on AO-7 with a giant 2 to 5 watts - depending on the propagation. The good operators all seem
to hear me OK with low power.

3667. Re: Knife edge QRP.

Yahoo group: eu-amsat
Date: 2010-08-22 17:13:19 UTC
From: LA2MOA
Topic: 3666 Message: 3667

Yes, you're very loud on AO-7! I've heard you every pass, but only wkd you once. I'm not like some of the others, that absolutely MUST have a QSO every single pass...

By the way, HO-68 had a nice pass abt some 20 mins ago. I was QRO+++ on the sat with my 8W output from the old FT-726R. Not much activity, but worked VE8EV, John in CP38. Quite happy with that!

Regards,

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> For anyone interested ...
>
> Very interesting knife-edge propagation QSO's on AO-7 this aftwernoon/evening using FREIKOLLEN, the
> largest mountain on the island as the secondary takeoff - (reflector).
>
> I did this previously from my last QTH with about 40 watts to a 6 element yagi but today I worked 4 stations
> on a single pass with hust 5 watts to the same 6 element homebrew yagi.
>
> Considering I'm not *allowed* to have anything but a TV aerial at the new QTH I appear to be doing OK.
>
> Unfortunately, the neighbours complain if I use anything above 200mW on 2m so I'm QRPp on HO-68 but
> QRO !!! on AO-7 with a giant 2 to 5 watts - depending on the propagation. The good operators all seem
> to hear me OK with low power.
>

3668. (no subject)

Yahoo group: eu-amsat
Date: 2010-08-24 16:48:58 UTC
From: John Hackett
Topic: 3668 Message: 3668

Privet Igor, UA9CS,
My apologies for not catching your call the first time around on the last pass of AO-7 just now.

There was terrible QRM on the latter two passes from the ES Gentleman. Maybe not able to hear my QRP
but should! have heard the other stations who answering my call ... they had no problem copying me - but
then ... they were using their ears for listening - instead of just holding their hats up off their eyes.

Otlichno Igor

John. la2qaa@...>

3669. AO-7 Point to ponder.

Yahoo group: eu-amsat
Date: 2010-08-25 09:24:13 UTC
From: John Hackett
Topic: 3669 Message: 3669

AO-7 has now operated longer this second time around ... (compared to the first time from the 1974 era).

Details on the AO-7 Resource Page.

73 John. <la2qaa@...>

3670. Re: [eu-amsat] AO-7 Point to ponder.

Yahoo group: eu-amsat
Date: 2010-08-25 10:11:45 UTC
From: Thomas Frey
Topic: 3669 Message: 3670

John Hackett schrieb:
>
>
> AO-7 has now operated longer this second time around ... (compared to
> the first time from the 1974 era).
>
> Details on the AO-7 Resource Page.
>
> 73 John. <la2qaa@...>
>

Hello John

AO-7 was active from 15.11.1974 (launch) 6.5 years to mid 1980 and
is active now from 21.6.2002 8 years 2 months until today. Correct ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3671. RE: [eu-amsat] AO-7 Point to ponder.

Yahoo group: eu-amsat
Date: 2010-08-25 14:04:15 UTC
From: John Hackett
Topic: 3669 Message: 3671

Correct Thomas,
Like I said ... longer the second time around.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 25 Aug 2010 12:11:45 +0200
Subject: Re: [eu-amsat] AO-7 Point to ponder.

John Hackett schrieb:

>

>

> AO-7 has now operated longer this second time around ... (compared to

> the first time from the 1974 era).

>

> Details on the AO-7 Resource Page.

>

> 73 John. <la2qaa@...>

>

Hello John

AO-7 was active from 15.11.1974 (launch) 6.5 years to mid 1980 and

is active now from 21.6.2002 8 years 2 months until today. Correct ?

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3672. Operation from IN70

Yahoo group: eu-amsat
Date: 2010-08-25 18:01:40 UTC
From: Gabriel - EA6VQ
Topic: 3672 Message: 3672

A group of 4 operators will be operating as AO1EME from IN70qk on 2-5 september.

The main goal will be EME on 144 MHz, but we'll also have a 70cm. 20 el. cross yagi and we'll be operating the satellites when there is no Moon and time permits.

For more information, operation status, on-line logs, etc please visit <http://www.vhfdx.info/burguillo.html> http://www.vhfdx.info/burguillo.html

73. Gabriel - EA6VQ

P.S: I'm having problems posting this information to the Amsat-BB mailing list. Could someone please forward this info to that list too?

3673. QSP to Amsat-bb

Yahoo group: eu-amsat
Date: 2010-08-25 18:44:51 UTC
From: John Hackett
Topic: 3673 Message: 3673

Gabrial,
I posted your message on the Amsat-bb.

73 John. <la2qaa@...>

EU Amsat moderator.

From: archie.hackett@...
To: amsat-bb@...
Subject: QSP
Date: Wed, 25 Aug 2010 20:42:40 +0200

From EA6VQ via LA2QAA.

A group of 4
operators will be operating as AO1EME from IN70qk on 2-5
september.

The main goal will
be EME on 144 MHz, but we'll also have a 70cm. 20 el. cross yagi and we'll be
operating the satellites when there is no
Moon and time permits.

For more
information, operation status, on-line logs, etc please visit
http://www.vhfdx.info/burguillo.html

73. Gabriel - EA6VQ

P.S: I'm having problems posting this information to
the Amsat-BB mailing list. Could someone please forward this info to that
list too?

3674. An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-26 11:17:43 UTC
From: John Hackett
Topic: 3674 Message: 3674

Group,
200mW on HO-68 mode-J gives a far stronger downlink signal than 28 watts on AO-7 mode-B.

Taking into account the orbit distance discrepancy, similar propagation anomolies (yesterday) and the same equipment being used - (just the mode change for the aerials) - it's an interesting observation.

I'm of the opinion that HO-68's receiver is on par with the veritable old RS-10 one - which was *VERY*
sensitive.

I've asked for details/diagrams/information but so far my requests have not been acknowledged.

I'd really like to compare HO-68 to RS-10.

73 John. <la2qaa@...>

73 John.

3675. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-26 20:26:33 UTC
From: m5aka
Topic: 3674 Message: 3675

Could it be down to dramatically reduced TX signal levels from AO-7.

Given its age the solar panels must be giving only a tiny fraction of the power they did in the 1970's ?

73 Trevor M5AKA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> 200mW on HO-68 mode-J gives a far stronger downlink signal than 28 watts on AO-7 mode-B.
>
> Taking into account the orbit distance discrepancy, similar propagation anomolies (yesterday) and the same equipment being used - (just the mode change for the aerials) - it's an interesting observation.
>
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> sensitive.
>
> I've asked for details/diagrams/information but so far my requests have not been acknowledged.
>
> I'd really like to compare HO-68 to RS-10.
>
> 73 John. <la2qaa@...>
>
> 73 John.
>

3676. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-27 07:22:05 UTC
From: Al
Topic: 3674 Message: 3676

Hi Group,

I think there's little doubt that this is the case. The solar panel cover-glasses will have been degraded by decades of exposure to a harsh radiation environment, reducing the TX power to a fraction, a small fraction, of it's previous value.
The proof for that is.

1-AO7 is now a lot weaker than it used to be.
and
2- It FM's badly in the presence of strong signals, even when in full sunlight.

At the same time, the receive system seems to be as sensitive as ever it was, and it was (and still is) *very* sensitive indeed.

Equally interesting to me at least, is that modern satellites can do considerably better than older ones in respect of long term reliable power generation. Solar generators can be treated by nitriding to provide greater radiation tolerance, while at the same time, batteries have only improved 'a bit' and battery failure still plague satellite builders and end many satellite missions prematurely, and not just amateur birds.
AO7 probably still has some useful things to teach us.

I wasn't even a licensed radio amateur whan it was launched, but it's return from the dead has given both myself and LA2QAA a great opportunity to find out what old sick satellites can still achieve, and what they can tell us. AO7's 'second life' has been a great source of 'self-training' for both John and myself.

73 Al.
GM1SXX

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> Could it be down to dramatically reduced TX signal levels from AO-7.
>
> Given its age the solar panels must be giving only a tiny fraction of the power they did in the 1970's ?
>
> 73 Trevor M5AKA
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:
> >
> >
> > Group,
> > 200mW on HO-68 mode-J gives a far stronger downlink signal than 28 watts on AO-7 mode-B.
> >
> > Taking into account the orbit distance discrepancy, similar propagation anomolies (yesterday) and the same equipment being used - (just the mode change for the aerials) -

it's an interesting observation.
> >
> > I'm of the opinion that HO-68's receiver is on par with the veritable old RS-10 one - which was *VERY*
> > sensitive.
> >
> > I've asked for details/diagrams/information but so far my requests have not been acknowledged.
> >
> > I'd really like to compare HO-68 to RS-10.
> >
> > 73 John. <la2qaa@>
> >
> > 73 John.
> >
>

3677. RE: [eu-amsat] Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-27 14:22:59 UTC
From: John Hackett
Topic: 3674 Message: 3677

You're absolutely right Trevor.
Al and I wrote an article on the subject a couple of years ago.

It's on the OBSERVATIONS website but I can't remember where we put it - (category).

After accumulating space-dust over a period of 36 years (!) the solar panels are obviously degraded.

Al uses solar power for his station and I recommended a weekly wipe with a yellow duster and a
quick squirt with Fairy Liquid but a similar operation would be impossible on AO-t7

Maybe somebody should design a mini Morris Minor type windscreen wiper for future solar panels.
(tongue-in-cheek).

NB.

I assume the AO-7 solar arrays are also subject to microscopic particle 'sandblasting' as well.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Thu, 26 Aug 2010 20:26:33 +0000
Subject: [eu-amsat] Re: An interesting comparison.

Could it be down to dramatically reduced TX signal levels from AO-7.

Given its age the solar panels must be giving only a tiny fraction of the power they did in the 1970's ?

73 Trevor M5AKA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Group,

> 200mW on HO-68 mode-J gives a far stronger downlink signal than 28 watts on AO-7 mode-B.

>

> Taking into account the orbit distance discrepancy, similar propagation anomolies (yesterday) and the same equipment being used - (just the mode change for the aerials) -

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>

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> sensitive.

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> I've asked for details/diagrams/information but so far my requests have not been acknowledged.

>

> I'd really like to compare HO-68 to RS-10.

>

> 73 John. <la2qaa@...>

>

> 73 John.

>

3678. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-28 08:43:54 UTC
From: m5aka
Topic: 3674 Message: 3678

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> I assume the AO-7 solar arrays are also subject to microscopic
> particle 'sandblasting' as well.

Yes they will be, I'm still amazed that we get manage to get a usable amount of power out of them after so many years.

Changing the subject did you see this item
http://www.sciencedaily.com/releases/2010/08/100826152217.htm

This effect would have a beneficial effect on very low earth orbit sats such as SO-67 and also the future ARISsat.

73 Trevor M5AKA

3679. RE: [eu-amsat] Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-28 11:12:47 UTC
From: John Hackett
Topic: 3674 Message: 3679

Hello Trevor,
Yes, very interesting.

Alexander Zaitsev, one of my aquaintances, a director at IZMIRAN, and his team are studying that
very thing with their cubesat mission.

I attach a snippet from a mail I sent to GM1SXX quite some time ago.
.....
.....

(snip) ... I've been doing some research. Izmiran's long term plan seems to be (within the current
Russian space program) to develop and use smaller and smaller rockets and consequently smaller
and smaller satellites but with more frequent launches.

As you (probably) know, Izmiran's program is similar to the Norwegian Andøy Rocket Range program -
but far more advanced - with the study of the magnetosphere, atmosphere and radio wave propagation.

It's logical to assume that they've already figured out that the cost saving can be huge by conducting the same experiments with more frequent, cheaper satellites using cubesat technology. They are in fact in
the process of implimenting this plan BUT YOU DON'T KNOW ANYTHING ABOUT IT YET ... right? ... right!.

As you know, I'm all for a ROBOT type satellite that could perform a lot of the Izmiran experiments by remote control from ground station commands ... (snip).
.....
.....

I did try to get a few prominent people interested in helping fund a 'new, improved' Amsat-ru ... since Alexander has links to the 'other' Alex - (Popkov of RS-10 fame) - but unfortunately, little interest was
shown - most people had already jumped on the 'university' bandwaggon.

I agree with K2SZH ... knowing the current launch difficulties, we need to speak to people a lot higher up
the food chain and ask them to speak to 'their' superiors.

The key is to promote what *WE* can do, that other's cant.

The word 'communication' needs to be re-thought. My 10 year old daughter can chat to anybody in the world! that has a mobile phone.

I'm trying to worm my way a little deeper into Camsat - but it's not easy. Understandably, they seem to be (so far, at least) reluctant to share information. The offer of financial contributions was politely declined -
presumably because that would imply a request to share information.

We'll just have to see how things develop.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Sat, 28 Aug 2010 08:43:54 +0000
Subject: [eu-amsat] Re: An interesting comparison.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

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> particle 'sandblasting' as well.

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This effect would have a beneficial effect on very low earth orbit sats such as SO-67 and also the future ARISsat.

73 Trevor M5AKA

3680. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-28 19:09:12 UTC
From: m5aka
Topic: 3674 Message: 3680

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> I assume the AO-7 solar arrays are also subject to microscopic
> particle 'sandblasting' as well.

Yes they will be, I'm still amazed that we get manage to get a usable amount of power out of them after so many years.

Changing the subject did you see this item
http://www.sciencedaily.com/releases/2010/08/100826152217.htm

This effect would have a beneficial effect on very low earth orbit sats such as SO-67 and also the future ARISsat.

73 Trevor M5AKA

3681. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-28 19:56:17 UTC
From: m5aka
Topic: 3674 Message: 3681

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> Alexander Zaitsev, one of my aquaintances, a director at IZMIRAN,
> and his team are studying that very thing with their cubesat
> mission.

I'd not heard about this but can see the benefits to them going the CubeSat route.

> The word 'communication' needs to be re-thought. My 10 year old daughter can chat to anybody in the world! that has a mobile phone.

Indeed, or even talk anywhere in the world for free using Skype.

This was added to to IARU coordination list today - SRMsat
http://www.amsat.org.uk/iaru/formal_detail.asp?serial=181

Yahoo Group
http://tech.groups.yahoo.com/group/srmsat/

73 Trevor M5AKA

3682. Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-28 20:15:26 UTC
From: m5aka
Topic: 3674 Message: 3682

Re SRMsat it looks like the launch schedule has slipped, it was originally planned for launch in September.

Although it's not stated I assume it's using FM with the uplink telecommand on 145 and beacon on 435.
http://srmuniv.academia.edu/ssn/Papers

It's good to see so much satellite building going on in India, I hope AMSAT-India is successful in getting their linear transponders launched in the coming years.

73 Trevor M5AKA

3683. Welcome.

Yahoo group: eu-amsat
Date: 2010-08-29 11:08:49 UTC
From: John Hackett
Topic: 684 Message: 3683

EU Amsat welcomes K3SZH Joe. I know a lot of you have worked Joe on AO-7.

73 John. <la2qaa@...>

3684. Re: [eu-amsat] Re: An interesting comparison.

Yahoo group: eu-amsat
Date: 2010-08-29 12:06:17 UTC
From: Thomas Frey
Topic: 3674 Message: 3684

m5aka schrieb:
> Re SRMsat it looks like the launch schedule has slipped, it was originally planned for launch in September.
>
> Although it's not stated I assume it's using FM with the uplink telecommand on 145 and beacon on 435.
> http://srmuniv.academia.edu/ssn/Papers
>

Hello Trevor

On http://srmsat.in/telemetry.html you'll find the description of
telecommand and beacon.

> It's good to see so much satellite building going on in India, I hope AMSAT-India is successful in getting their linear transponders launched in the coming years.
>
>

Yes !! But I'm sceptical. I think there are a flood of Indian
Student satellites coming without a relation of HAM radio.

> 73 Trevor M5AKA
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3685. HO-68 Weekly schedule

Yahoo group: eu-amsat
Date: 2010-08-30 07:10:00 UTC
From: John Hackett
Topic: 3685 Message: 3685

ALL TIMES UTC

29 Aug 2010
==========
16:15...Turn On--FM
India, Africa, Middle East,
Europe,NA
17:00...Turn Off

18:05...Turn On--FM
Africa,Europe,Middle East,NA
18:50...Turn Off

19:30...Turn On--FM
Africa,Europe,Middle East,NA
20:15...Turn Off

30 Aug 2010
==========
23:55...Turn On--FM
South America,NA,North Asia
00:40...Turn Off

01:53...Turn On--FM
North Asia,East Asia,South Asia
02:09...Turn Off

12:12...Turn On--FM
NA,North Asia,East Asia,
Oceania
12:26...Turn Off

16:00...Turn On--FM
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

19:55...Turn On--FM
Africa, Middle East,
Europe,NA
20:40...Turn Off

23:40...Turn On--FM
NA,North Asia,East Asia,
Oceania
24:25...Turn Off

31 Aug 2010
==========
01:36...Turn On--FM
North Asia, East Asia,South Asia
01:52...Turn Off

11:35...Turn On--FM
Oceania,Asia,Europe
12:20...Turn Off

17:30...Turn On--FM
India,Middle East,Europe,NA
18:15...Turn Off

18:55...Turn On--FM
India,Middle East,Europe,NA
19:40...Turn Off

23:20...Turn On--FM
NA,North Asia,East Asia,
Oceania
24:05...Turn Off

01 Sep 2010
==========
03:03...Turn On--FM
North Asia,East Asia,South Asia
03:19...Turn Off

06:35...Turn On--FM
NA,North Asia,Eroupe, Africa
17:20...Turn Off

13:55...Turn On--FM
Europe,NA,South America
14:40...Turn Off

15:50...Turn On--FM
Europe,NA, South America
16:35...Turn Off

18:40...Turn On--FM
Africa,Middle East,Europe,NA
19:25...Turn Off

20:30...Turn On--FM
Africa,Middle East,Europe,NA
21:15...Turn Off

02 Sep 2010
==========
00:50...Turn On--FM
NA,North Asia,East Asia,Oceania
01:35...Turn Off

02:48...Turn On--FM
Asia,Oceania
03:03...Turn Off

13:45...Turn On--FM
Europe,NA,South America
14:30...Turn Off

16:55...Turn On--FM
Africa,India,Middle East,Europe,NA
17:40...Turn Off

18:45...Turn On--FM
Africa,Europe,NA
19:30...Turn Off

20:10...Turn On--FM
Africa,Europe,NA
20:55...Turn Off

03 Sep 2010
==========
00:35...Turn On--FM
Oceania,Asia,Europe,NA
01:20...Turn Off

02:31...Turn On--FM
North Asia,East Asia,South Asia
02:47...Turn Off

14:39...Turn On--FM
Oceania,India,East Asia
14:54...Turn Off

16:40...Turn On--FM
India,Africa,Europe,NA
17:25...Turn Off

18:25...Turn On--FM
India,Africa,Europe,NA
19:10...Turn Off

19:50...Turn On--FM
Africa,Europe,NA
20:35...Turn Off

04 Sep 2010
==========
00:20...Turn On--FM
South America,NA,North Asia
01:05...Turn Off

02:14...Turn On--FM
North Asia,East Asia,South Asia

02:30...Turn Off

14:30...Turn On--FM
Oceania, East Asia,North Asia
14:44...Turn Off

16:25...Turn On--FM
Africa,Europe,NA
17:10...Turn Off

18:10...Turn On--FM
India,Africa,Europe,NA
18:55...Turn Off

19:35...Turn On--FM
Africa,Europe,NA
20:20...Turn Off

05 Sep 2010
==========
00:00...Turn On--FM
North Asia,East Asia,
South Asia,Oceania
00:45...Turn Off

02:00...Turn On--FM
North Asia,East Asia,South Asia
02:15...Turn Off

14:05...Turn On--FM
Oceania,India,East Asia
14:21...Turn Off

3686. Oh well ...

Yahoo group: eu-amsat
Date: 2010-08-30 14:47:05 UTC
From: John Hackett
Topic: 3686 Message: 3686
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Al,
One day it's an aluminium oven tray - the next, it's a preamp box ...

I can't understand !!! why am I divorced (!).

73 John. <la2qaa@...>

3687. Re: [amsat-bb] Re: Two Chinese Sats ...

Yahoo group: eu-amsat
Date: 2010-09-02 12:12:36 UTC
From: Luc Leblanc
Topic: 3687 Message: 3687

On 1 Sep 2010 at 17:59, Ted wrote:

Date sent: Wed, 01 Sep 2010 17:59:49 -0700
From: Ted <k7trkradio@...>
Subject: [amsat-bb] Re: Two Chinese Sats ...
To: 'Clint Bradford' <clintbrad4d@...>, amsat-bb@...

> IMHO starting to have political commentary on this forum is going down the
> wrong road and inappropriate
>
> Ted
> K7TRK
>
As i always said this "Acceptable Content" is more directed toward individual than opinions...It's just another example of AMSAT-NA mismanagement.

Acceptable Content
We embrace diversity of opinions and values. In order to preserve a constructive environment, we do insist that messages contain appropriate content and are respectful of the members and readers of the list.
All posts should include the author's first name and call sign, or full name if not currently licensed.
In general, messages for the AMSAT mailing lists should be related to amateur radio satellites. Examples of on-topic posts include:
o Announcements of general interest, including but not limited to AMSAT news, meetings, satellite availability, and DXpeditions.
o Technical discussions, including the physics of space flight, modulation techniques, satellite design, RF path loss calculations, noise figure, etc.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3688. OBSERVATIONS FROM NORWAY.

Yahoo group: eu-amsat
Date: 2010-09-02 18:34:08 UTC
From: John Hackett
Topic: 3620 Message: 3688
Attachments: 4 described; binary payloads are missing from this source WARC

OBSERVATIONS FROM NORWAY. 020920102005Z

A SIMPLE (switchable) 2m & 70cm PREAMP.

The BFY90 is a low noise transistor designed for wideband preamps up to 5Ghz with a gain of 20dB and an 'acceptible' noise figure for satellite working.

You *DON'T* need a noise figure of 0.2dB ... unless you working EME and anyway the sky noise at 145Mhz is 2dB.

The BFY90 is a good choice when used as a simple 2m & 70cm preamp.

Modern gaAsFETs have lower noise figures but they're expensive and easy to 'kill'.

The veritable old BF981 dual gate mosFET is excellent on 2m but the performance falls off fairly rapidly above 200Mhz.

The bipolar BFY90 performs well on both 2m and 70cm.

To increase selectivity a little I've added a switchable series tuned circuit for each band.

The preamp is built on a small piece of brass sheet (excellent groundplane) with offcuts of PC board strips bolted to the groundeplane. The strips are divided into 'islands' with hacksaw grooves.

The 1k collector resistor is a variable trimmer to adjust the current. It should be set for about 10mA for optimun performance on your noise figure meter. What?, you don't have a noise figure meter? ... yes you do! ... you have two of them ... they're glued to the side of your head ... ears !!!!.

The 'hole' in the groundplane is for a snug fit of the BFY90 TO-72 metal can - also soldered to the groundplane, together with the case and emitter leads.

The trimmer capacitors I used were miniature PCB mounted 10pF air variable types because they were in the junquebox but cheap plastic types will be sufficient.

The enclosure is an ex: aluminium oven tray - deceased!, or as John Cleese says in The Monty Python Parrot sketch ... "is no more" ... "has met it's maker" ... "is an ex: oven tray".

There are 3 x LED's to remind me which position the switch is in. a) Through, b) 2m or c) 70cm.

Hey!, if you were as old, bald & senile (OBS) as La2qaa you'd need 3 x LED's too.

Everything else ought to be self explanitory by 'squinting'' at the circuit diagram.

73 John. <la2qaa@...>

3689. Re: [eu-amsat] OBSERVATIONS FROM NORWAY. [4 Attachments]

Yahoo group: eu-amsat
Date: 2010-09-02 20:10:31 UTC
From: Thomas Frey
Topic: 3620 Message: 3689

John Hackett schrieb:
> [Attachment(s) <#TopText> from John Hackett included below]
>
>

Hello John, 2 pics are blank.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3690. RE: [eu-amsat] OBSERVATIONS FROM NORWAY.

Yahoo group: eu-amsat
Date: 2010-09-02 21:25:19 UTC
From: John Hackett
Topic: 3620 Message: 3690

Hello Thomas,
Yes, I noticed, it must be Hotmail ... let me ask Al GM1SXX if he received the pictures in the CC'd mail for OBSERVATIONS.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Thu, 2 Sep 2010 22:10:31 +0200
Subject: Re: [eu-amsat] OBSERVATIONS FROM NORWAY.

John Hackett schrieb:

> [Attachment(s) <#TopText> from John Hackett included below]

>

>

Hello John, 2 pics are blank.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3691. Missing OBSERVATIONS pics.

Yahoo group: eu-amsat
Date: 2010-09-02 21:34:49 UTC
From: John Hackett
Topic: 3691 Message: 3691

Thomas,
The pics appear as a slideshow so you hyave to click on the arrow just to the right of pic number 2 (the brass sheet circuit board) on page one ... that will take you to the other two pics on page 2.

73 John. <la2qaa@...>

3692. LA2QAA's dual band preamp.

Yahoo group: eu-amsat
Date: 2010-09-02 21:51:49 UTC
From: Al
Topic: 3692 Message: 3692

Hi group.

You'll find the complete simple dual-band preamp article at..
http://www.observations.biz/Observations_from_Norway/index.htm

73 Al.
GM1SXX

3693. New satgates?

Yahoo group: eu-amsat
Date: 2010-09-02 22:07:12 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3693 Message: 3693

Hello all,

I☐m searching for new addresses of satgates, because satgate.aprsca.net is not working in the two ports that I have, so If anybody knows more satgates, please share them on the list. I☐m trying to run a satgate to gate the iss packets to the internet.

Thanks in advance,

73 de Fran EA1JM

3694. Re: [eu-amsat] New satgates?

Yahoo group: eu-amsat
Date: 2010-09-03 06:45:39 UTC
From: Mike Rupprecht
Topic: 3693 Message: 3694

Hi Fran,

try a server from this list ...

73, Mike
DK3WN

aprsnz.aprs2.net:14580;User Definable Filter Port: T2APRSNZ Blenheim, New Zealand
argentina.aprs2.net:14580;User Definable Filter Port: T2ARG Buenos Aires, Argentina
australia.aprs2.net:14580;User Definable Filter Port: T2AUST Sydney, Australia
austria.aprs2.net:14580;User Definable Filter Port: T2AUSTRIA Bürs, Austria, EU
belgium.aprs2.net:14580;User Definable Filter Port: T2BELGIUM Tessenderlo, Belgium, EU
bern.aprs2.net:14580;User Definable Filter Port: T2BERN Bern, Switzerland
brazil.aprs2.net:14580;User Definable Filter Port: T2BRAZIL Tijuca, Brazil
cmh.aprs2.net:14580;User Definable Filter Port: T2CMH Columbus, OH, USA
eisberg.aprs2.net:14580;User Definable Filter Port: T2EISBERG Eisberg (Moosbach), Bavaria, Germany, EU
england.aprs2.net:14580;User Definable Filter Port: T2ENGLAND Hartland, Devon, UK, EU
erfurt.aprs2.net:14580;User Definable Filter Port: T2ERFURT Erfurt, Germany, EU
finland.aprs2.net:14580;User Definable Filter Port: T2FINLAND Helsinki, Finland, EU
france.aprs2.net:14580;User Definable Filter Port: T2FRANCE Antony, France, EU
fukuoka.aprs2.net:14580;User Definable Filter Port: T2FUKUOKA Fukuoka, Japan
fuzhou.aprs2.net:14580;User Definable Filter Port: T2FZ Fuzhou, Fujian, China
greece.aprs2.net:14580;User Definable Filter Port: T2GREECE Thessaloniki, Greece, EU
hangzhou.aprs2.net:14580;User Definable Filter Port: T2HGH Hangzhou, Zhejiang, China
iad.aprs2.net:14580;User Definable Filter Port: T2IAD Ashburn, VA, USA
ireland.aprs2.net:14580;User Definable Filter Port: T2IRELAND Tramore, Ireland, EU
***
italy.aprs2.net:14580;User Definable Filter Port: T2ITALY Torino, Italy, EU
italy1.aprs2.net:14580;User Definable Filter Port: T2ITALY1 Torino, Italy, EU
italys.aprs2.net:14580;User Definable Filter Port: T2ITALYS Cagliari, Sardinia, Italy, EU
***
jakarta.aprs2.net:14580;User Definable Filter Port: T2JKTPUS Jakarta, Indonesia
j-net.aprs2.net:14580;User Definable Filter Port: T2JNET Kyushu, Japan
karlsruhe.aprs2.net:14580;User Definable Filter Port: T2KA Karlsruhe, Germany, EU
dl.aprs2.net:14580;User Definable Filter Port: T2KOBLENZ Kruft, Germany, EU
krakow.aprs2.net:14580;User Definable Filter Port: T2KRAKOW Kraków, Poland, EU
lga.aprs2.net:14580;User Definable Filter Port: T2LGA New York City, NY, USA
central.aprs2.net:14580;User Definable Filter Port: T2MCI Kansas City, MO, USA
midwest.aprs2.net:14580;User Definable Filter Port: T2MIDWEST Davenport, IA, USA
montreal.aprs2.net:14580;User Definable Filter Port: T2MNTREAL Châteauguay, QC, Canada
missouri.aprs2.net:14580;User Definable Filter Port: T2MSSOURI Columbia, MO, USA
nebraska.aprs2.net:14580;User Definable Filter Port: T2NBRASKA Grand Island, NE, USA
newengland.aprs2.net:14580;User Definable Filter Port: T2NUENGLD Bristol, RI, USA
nuremberg.aprs2.net:14580;User Definable Filter Port: T2NUERNBG Nürnberg, Germany, EU
newzealand.aprs2.net:14580;User Definable Filter Port: T2NZAA Auckland, New Zealand

ontario.aprs2.net:14580;User Definable Filter Port: T2ONTARIO Acton, Ontario, Canada
oregon.aprs2.net:14580;User Definable Filter Port: T2OREGON Corvallis, OR, USA
poland.aprs2.net:14580;User Definable Filter Port: T2POLAND Bydgoszcz, Poland, EU
lodz.aprs2.net:14580;User Definable Filter Port: T2POLC ?ód?, Poland, EU
szczecin.aprs2.net:14580;User Definable Filter Port: T2POLNW Szczecin, Poland, EU
pr.aprs2.net:14580;User Definable Filter Port: T2PR2 Cayey, Puerto Rico, USA
pueblo.aprs2.net:14580;User Definable Filter Port: T2PUEBLO Pueblo, CO, USA
radom.aprs2.net:14580;User Definable Filter Port: T2RADOM Radom, Poland, EU
russia.aprs2.net:14580;User Definable Filter Port: T2RUSSIA Moscow, Russia
sapporo.aprs2.net:14580;User Definable Filter Port: T2SAPPORO Sapporo, Hokkaido, Japan
shanghai.aprs2.net:14580;User Definable Filter Port: T2SH Shanghai, China
sjc.aprs2.net:14580;User Definable Filter Port: T2SJC Santa Clara, CA, USA
socal.aprs2.net:14580;User Definable Filter Port: T2SOCAL Anaheim, CA, USA
solo.aprs2.net:14580;User Definable Filter Port: T2SOLO Zuchwil, Solothurn, Switzerland
spain.aprs2.net:14580;User Definable Filter Port: T2SPAIN Elda, Spain, EU
spain2.aprs2.net:14580;User Definable Filter Port: T2SPAIN2 Valladolid, Spain, EU
sydney.aprs2.net:14580;User Definable Filter Port: T2SYDNEY Sydney, Australia
texas.aprs2.net:14580;User Definable Filter Port: T2TEXAS Abeline, TX, USA
tokyo.aprs2.net:14580;User Definable Filter Port: T2TOKYO Tokyo, Japan
tokyo2.aprs2.net:14580;User Definable Filter Port: T2TOKYO2 Tokyo, Japan
tokyo3.aprs2.net:14580;User Definable Filter Port: T2TOKYO3 Tokyo, Japan
netherlands.aprs2.net:14580;User Definable Filter Port: T2TUENL Eindhoven, Netherlands, EU
turkiye.aprs2.net:14580;User Definable Filter Port: T2TURKIYE Gölcük, Kocaeli, Turkey
tus.aprs2.net:14580;User Definable Filter Port: T2TUS Tucson, AZ, USA
uk.aprs2.net:14580;User Definable Filter Port: T2UK Milton Keynes, UK, EU
ukraine.aprs2.net:14580;User Definable Filter Port: T2UKRAINE Mariupol, Ukraine
northwest.aprs2.net:14580;User Definable Filter Port: T2USANW Seattle, WA, USA
southwest.aprs2.net:14580;User Definable Filter Port: T2USASW Costa Mesa, CA, USA
vancouver.aprs2.net:14580;User Definable Filter Port: T2VAN Vancouver, BC, Canada
westtn.aprs2.net:14580;User Definable Filter Port: T2WESTTN Jackson, TN, USA
zug.aprs2.net:14580;User Definable Filter Port: T2ZUG Zug, Switzerland
zurich.aprs2.net:14580;User Definable Filter Port: T2ZURICH Zürich, Switzerland

----- original Nachricht --------

Betreff: [eu-amsat] New satgates?
Gesendet: Fr, 03. Sep 2010
Von: Francisco Jiménez-Martín Sánchez

Hello all,

I□m searching for new addresses of satgates, because satgate.aprsca.net is not working in the two ports that I have, so If anybody knows more satgates, please share them on the list. I□m trying to run a satgate to gate the iss packets to the internet.

Thanks in advance,
73 de Fran EA1JM

--- original Nachricht Ende ----

3695. The Space Award.

Yahoo group: eu-amsat
Date: 2010-09-03 08:43:02 UTC
From: John Hackett
Topic: 3695 Message: 3695

For those amateurs interested in satellite awards, the following is probably 'right up your street'

<http://ukw.cqun.kz/award_kosmos.html>
.....
.....

THE SPACE AWARD.

Issued by the VHF Committee of the Kazakhstan Federation of Radiosport
and Amateur Radio - for communications via amateur satellite or EME.

The diploma has three categories as follows ...

Category 3.

100 two way contacts via amateur satellite. 50 for EME.

Category 2.
250 two way contacts via amateur satellite.150 for EME.

Category 1.

500 two way contacts via amateur satellite. 300 for EME.

Contacts via repeaters are not valid.

Contacts may be CW, voice or digital. Each category may be mixed or endorsed

seperately.

The diploma is numbered and is issued in paper form.

The application for the diploma with attached QSLs (eQSL acceptable), certified by two licensed radio amateurs together with 5 Euro's for Kazakhstan or 10 Euro's for foreign stations should be sent in paper form to ...

UN9GW
Igor Afanasyev
AinaBulak-1
Alma-Ata,
Kazakhstan

or ...

For applications in electronic form ...

UHF_KFRR@...
Box 239 .

Almaty.
050000 Kazakhstan

The award is valid from 01.01.2007.

.....
.....

Thanks to RW3XL for making me aware of this award.

73 John. <la2qaa@amsat.org>

3696. RE: [eu-amsat] New satgates?

Yahoo group: eu-amsat
Date: 2010-09-03 11:10:44 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3693 Message: 3696

Thanks Mike.

One last thing, I have set the following filters:
p/RS0ISS/W3ADOd/RS0ISS-4/RS0ISS-3/W3ADO-1 , I think they are correct, if anyone knows, can you confirm that are ok?

Thanks in advance,

Fran EA1JM

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de Mike Rupprecht
Enviado el: viernes, 03 de septiembre de 2010 8:46
Para: eu-amsat@yahoogroups.com
Asunto: Re: [eu-amsat] New satgates?

Hi Fran,

try a server from this list ...

73, Mike
DK3WN

aprsnz.aprs2.net:14580;User Definable Filter Port: T2APRSNZ Blenheim, New Zealand
argentina.aprs2.net:14580;User Definable Filter Port: T2ARG Buenos Aires, Argentina
australia.aprs2.net:14580;User Definable Filter Port: T2AUST Sydney, Australia
austria.aprs2.net:14580;User Definable Filter Port: T2AUSTRIA Bürs, Austria, EU
belgium.aprs2.net:14580;User Definable Filter Port: T2BELGIUM Tessenderlo, Belgium, EU
bern.aprs2.net:14580;User Definable Filter Port: T2BERN Bern, Switzerland
brazil.aprs2.net:14580;User Definable Filter Port: T2BRAZIL Tijuca, Brazil
cmh.aprs2.net:14580;User Definable Filter Port: T2CMH Columbus, OH, USA
eisberg.aprs2.net:14580;User Definable Filter Port: T2EISBERG Eisberg (Moosbach), Bavaria, Germany, EU
england.aprs2.net:14580;User Definable Filter Port: T2ENGLAND Hartland, Devon, UK, EU
erfurt.aprs2.net:14580;User Definable Filter Port: T2ERFURT Erfurt, Germany, EU
finland.aprs2.net:14580;User Definable Filter Port: T2FINLAND Helsinki, Finland, EU
france.aprs2.net:14580;User Definable Filter Port: T2FRANCE Antony, France, EU
fukuoka.aprs2.net:14580;User Definable Filter Port: T2FUKUOKA Fukuoka, Japan

fuzhou.aprs2.net:14580;User Definable Filter Port: T2FZ Fuzhou, Fujian, China
greece.aprs2.net:14580;User Definable Filter Port: T2GREECE Thessaloniki, Greece, EU
hangzhou.aprs2.net:14580;User Definable Filter Port: T2HGH Hangzhou, Zhejiang, China
iad.aprs2.net:14580;User Definable Filter Port: T2IAD Ashburn, VA, USA
ireland.aprs2.net:14580;User Definable Filter Port: T2IRELAND Tramore, Ireland, EU
***
italy.aprs2.net:14580;User Definable Filter Port: T2ITALY Torino, Italy, EU
italy1.aprs2.net:14580;User Definable Filter Port: T2ITALY1 Torino, Italy, EU
italys.aprs2.net:14580;User Definable Filter Port: T2ITALYS Cagliari, Sardinia, Italy, EU
***
jakarta.aprs2.net:14580;User Definable Filter Port: T2JKTPUS Jakarta, Indonesia
j-net.aprs2.net:14580;User Definable Filter Port: T2JNET Kyushu, Japan
karlsruhe.aprs2.net:14580;User Definable Filter Port: T2KA Karlsruhe, Germany, EU
dl.aprs2.net:14580;User Definable Filter Port: T2KOBLENZ Kruft, Germany, EU
krakow.aprs2.net:14580;User Definable Filter Port: T2KRAKOW Kraków, Poland, EU
lga.aprs2.net:14580;User Definable Filter Port: T2LGA New York City, NY, USA
central.aprs2.net:14580;User Definable Filter Port: T2MCI Kansas City, MO, USA
midwest.aprs2.net:14580;User Definable Filter Port: T2MIDWEST Davenport, IA, USA
montreal.aprs2.net:14580;User Definable Filter Port: T2MNTREAL Châteauguay, QC, Canada
missouri.aprs2.net:14580;User Definable Filter Port: T2MSSOURI Columbia, MO, USA
nebraska.aprs2.net:14580;User Definable Filter Port: T2NBRASKA Grand Island, NE, USA
newengland.aprs2.net:14580;User Definable Filter Port: T2NUENGLD Bristol, RI, USA
nuremberg.aprs2.net:14580;User Definable Filter Port: T2NUERNBG Nürnberg, Germany, EU
newzealand.aprs2.net:14580;User Definable Filter Port: T2NZAA Auckland, New Zealand
ontario.aprs2.net:14580;User Definable Filter Port: T2ONTARIO Acton, Ontario, Canada
oregon.aprs2.net:14580;User Definable Filter Port: T2OREGON Corvallis, OR, USA
poland.aprs2.net:14580;User Definable Filter Port: T2POLAND Bydgoszcz, Poland, EU
lodz.aprs2.net:14580;User Definable Filter Port: T2POLC ?ód?, Poland, EU
szczecin.aprs2.net:14580;User Definable Filter Port: T2POLNW Szczecin, Poland, EU

pr.aprs2.net:14580;User Definable Filter Port: T2PR2 Cayey, Puerto Rico, USA
pueblo.aprs2.net:14580;User Definable Filter Port: T2PUEBLO Pueblo, CO, USA
radom.aprs2.net:14580;User Definable Filter Port: T2RADOM Radom, Poland, EU
russia.aprs2.net:14580;User Definable Filter Port: T2RUSSIA Moscow, Russia
sapporo.aprs2.net:14580;User Definable Filter Port: T2SAPPORO Sapporo, Hokkaido, Japan
shanghai.aprs2.net:14580;User Definable Filter Port: T2SH Shanghai, China
sjc.aprs2.net:14580;User Definable Filter Port: T2SJC Santa Clara, CA, USA
socal.aprs2.net:14580;User Definable Filter Port: T2SOCAL Anaheim, CA, USA
solo.aprs2.net:14580;User Definable Filter Port: T2SOLO Zuchwil, Solothurn, Switzerland
spain.aprs2.net:14580;User Definable Filter Port: T2SPAIN Elda, Spain, EU
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texas.aprs2.net:14580;User Definable Filter Port: T2TEXAS Abeline, TX, USA
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ukraine.aprs2.net:14580;User Definable Filter Port: T2UKRAINE Mariupol, Ukraine
northwest.aprs2.net:14580;User Definable Filter Port: T2USANW Seattle, WA, USA
southwest.aprs2.net:14580;User Definable Filter Port: T2USASW Costa Mesa, CA, USA
vancouver.aprs2.net:14580;User Definable Filter Port: T2VAN Vancouver, BC, Canada
westtn.aprs2.net:14580;User Definable Filter Port: T2WESTTN Jackson, TN, USA
zug.aprs2.net:14580;User Definable Filter Port: T2ZUG Zug, Switzerland
zurich.aprs2.net:14580;User Definable Filter Port: T2ZURICH Zürich, Switzerland

----- original Nachricht --------

Betreff: [eu-amsat] New satgates?
Gesendet: Fr, 03. Sep 2010
Von: Francisco Jiménez-Martín Sánchez

Hello all,

I☐m searching for new addresses of satgates, because satgate.aprsca.net is not working in the two ports that I have, so If anybody knows more satgates, please share them on the list. I☐m trying to run a satgate to gate the iss packets to the internet.

Thanks in advance,
73 de Fran EA1JM

--- original Nachricht Ende ----

3697. AW: [eu-amsat] New satgates?

Yahoo group: eu-amsat
Date: 2010-09-03 11:52:12 UTC
From: Mike Rupprecht
Topic: 3693 Message: 3697

Hi Fran,

looks ok. BTW, there is a good tool for control of what you want to see in UI-View. Go to M0CYP UI-View Web Resource website and look for UI Filter.

http://www.apritch.myby.co.uk/addon_uiview32.htm#uifilter

Ciao,
Mike

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Francisco Jiménez-Martín Sánchez
Gesendet: Freitag, 3. September 2010 13:11
An: eu-amsat@yahoogroups.com
Betreff: RE: [eu-amsat] New satgates?

Thanks Mike.

One last thing, I have set the following filters: p/RS0ISS/W3ADOd/RS0ISS-4/RS0ISS-3/W3ADO-1 , I think they are correct, if anyone knows, can you confirm that are ok?

Thanks in advance,
Fran EA1JM

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de Mike Rupprecht
Enviado el: viernes, 03 de septiembre de 2010 8:46
Para: eu-amsat@yahoogroups.com
Asunto: Re: [eu-amsat] New satgates?

Hi Fran,

try a server from this list ...

73, Mike
DK3WN

aprsnz.aprs2.net:14580;User Definable Filter Port: T2APRSNZ Blenheim, New Zealand
argentina.aprs2.net:14580;User Definable Filter Port: T2ARG Buenos Aires, Argentina
australia.aprs2.net:14580;User Definable Filter Port: T2AUST Sydney, Australia
austria.aprs2.net:14580;User Definable Filter Port: T2AUSTRIA Bürs, Austria, EU
belgium.aprs2.net:14580;User Definable Filter Port: T2BELGIUM Tessenderlo, Belgium, EU

bern.aprs2.net:14580;User Definable Filter Port: T2BERN Bern, Switzerland
brazil.aprs2.net:14580;User Definable Filter Port: T2BRAZIL Tijuca, Brazil
cmh.aprs2.net:14580;User Definable Filter Port: T2CMH Columbus, OH, USA
eisberg.aprs2.net:14580;User Definable Filter Port: T2EISBERG Eisberg (Moosbach), Bavaria, Germany, EU
england.aprs2.net:14580;User Definable Filter Port: T2ENGLAND Hartland, Devon, UK, EU
erfurt.aprs2.net:14580;User Definable Filter Port: T2ERFURT Erfurt, Germany, EU
finland.aprs2.net:14580;User Definable Filter Port: T2FINLAND Helsinki, Finland, EU
france.aprs2.net:14580;User Definable Filter Port: T2FRANCE Antony, France, EU
fukuoka.aprs2.net:14580;User Definable Filter Port: T2FUKUOKA Fukuoka, Japan
fuzhou.aprs2.net:14580;User Definable Filter Port: T2FZ Fuzhou, Fujian, China
greece.aprs2.net:14580;User Definable Filter Port: T2GREECE Thessaloniki, Greece, EU
hangzhou.aprs2.net:14580;User Definable Filter Port: T2HGH Hangzhou, Zhejiang, China
iad.aprs2.net:14580;User Definable Filter Port: T2IAD Ashburn, VA, USA
ireland.aprs2.net:14580;User Definable Filter Port: T2IRELAND Tramore, Ireland, EU
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italy.aprs2.net:14580;User Definable Filter Port: T2ITALY Torino, Italy, EU
italy1.aprs2.net:14580;User Definable Filter Port: T2ITALY1 Torino, Italy, EU
italys.aprs2.net:14580;User Definable Filter Port: T2ITALYS Cagliari, Sardinia, Italy, EU
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jakarta.aprs2.net:14580;User Definable Filter Port: T2JKTPUS Jakarta, Indonesia
j-net.aprs2.net:14580;User Definable Filter Port: T2JNET Kyushu, Japan
karlsruhe.aprs2.net:14580;User Definable Filter Port: T2KA Karlsruhe, Germany, EU
dl.aprs2.net:14580;User Definable Filter Port: T2KOBLENZ Kruft, Germany, EU
krakow.aprs2.net:14580;User Definable Filter Port: T2KRAKOW Kraków, Poland, EU
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----- original Nachricht --------

Betreff: [eu-amsat] New satgates?
Gesendet: Fr, 03. Sep 2010
Von: Francisco Jiménez-Martín Sánchez

Hello all,

I□m searching for new addresses of satgates, because satgate.aprsca.net is not working in the two ports that I have, so If anybody knows more satgates, please share them on the list. I□m trying to run a satgate to gate the iss packets to the internet.

Thanks in advance,
73 de Fran EA1JM

--- original Nachricht Ende ----

3698. Competition.

Yahoo group: eu-amsat
Date: 2010-09-04 19:04:51 UTC
From: John Hackett
Topic: 3698 Message: 3698

Hey Luc,
The mail I posted re: the Russian Kosmos Satellite award, on this reflector and CC'd to the Amsat-bb has appeared here but hasn't appeared on the Amsat-bb ... (yet).

Maybe the awards people don't like competition ??.

73 John. <la2qaa@...>

3699. HO-68 weekly schedule.

Yahoo group: eu-amsat
Date: 2010-09-05 21:01:37 UTC
From: John Hackett
Topic: 3556 Message: 3699

```
ALL TIMES UTC.

05 Sep 2010
================================
16:05...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:50...Turn Off

17:50...Turn On--CW/SSB
Africa,Europe,Middle East,NA
18:35...Turn Off

19:20...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:05...Turn Off

06 Sep 2010
================================
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

01:35...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:20...Turn Off

12:35...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
13:20...Turn Off

16:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

22:10...Turn On--CW/SSB
Oceania, Africa,South America
22:55...Turn Off

23:30...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
24:15...Turn Off
```

07 Sep 2010
==========
01:24...Turn On--CW/SSB
North Asia, East Asia,South Asia
01:38...Turn Off

09:40...Turn On--CW/SSB
Oceania,Asia,Europe
10:25...Turn Off

14:05...Turn On--CW/SSB
NA, South America
14:50...Turn Off

17:15...Turn On--CW/SSB
India,Middle East,Europe,NA
18:00...Turn Off

18:50...Turn On--CW/SSB
India,Middle East,Europe,NA
19:35...Turn Off

19:50...Turn On--CW/SSB
NA, Oceania,Africa
20:35...Turn Off

08 Sep 2010
==========
01:00...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
01:45...Turn Off

02:55...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:10...Turn Off

13:50...Turn On--CW/SSB
Europe,NA,South America
14:35...Turn Off

17:00...Turn On--CW/SSB
India, Africa,Europe,NA
South America
17:45...Turn Off

18:50...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:35...Turn Off

20:15...Turn On--CW/SSB
Africa,Middle East,Europe,NA
21:00...Turn Off

22:55...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania

23:40...Turn Off

09 Sep 2010
==========
02:36...Turn On--CW/SSB
Asia,Oceania
02:51...Turn Off

13:30...Turn On--CW/SSB
Europe,NA,South America
14:15...Turn Off

16:45...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
Africa,Europe,NA
19:20...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,NA
20:45...Turn Off

22:35...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:20...Turn Off

10 Sep 2010
==========
02:21...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:36...Turn Off

13:15...Turn On--CW/SSB
Europe, NA,South America
14:00...Turn Off

16:30...Turn On--CW/SSB
India,Africa,Europe,NA
17:15...Turn Off

18:15...Turn On--CW/SSB
India,Africa,Europe,NA
19:00...Turn Off

19:45...Turn On--CW/SSB
Africa,Europe,NA
20:30...Turn Off

11 Sep 2010
==========
00:10...Turn On--CW/SSB
South America,NA,North Asia
00:55...Turn Off

02:04...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:19...Turn Off

13:00...Turn On--CW/SSB
Europe, NA,South America
13:45...Turn Off

16:10...Turn On--CW/SSB
Africa,Europe,NA
16:55...Turn Off

18:00...Turn On--CW/SSB
India,Africa,Europe,NA
18:45...Turn Off

19:25...Turn On--CW/SSB
Africa,Europe,NA
20:10...Turn Off

12 Sep 2010
==========
23:50...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
00:35...Turn Off

01:45...Turn On--FM
North Asia,East Asia,South Asia
Oceania
02:30...Turn Off

12:40...Turn On--FM
Europe,NA,South America
13:25...Turn Off

3700. Re: [eu-amsat] Competition.

Yahoo group: eu-amsat
Date: 2010-09-06 17:06:04 UTC
From: Luc Leblanc
Topic: 3698 Message: 3700

On 4 Sep 2010 at 21:04, John Hackett wrote:

Date sent: Sat, 04 Sep 2010 21:04:51 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Competition.
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

>
> Hey Luc,
> The mail I posted re: the Russian Kosmos Satellite award, on this reflector and CC'd to the
> Amsat-bb has appeared here but hasn't appeared on the Amsat-bb ... (yet).
>
> Maybe the awards people don't like competition ??.
>
> 73 John. <la2qaa@...>
>

Hi John

They didn't like anything who does not fit in their party line they look like more and more the former USSR (CCCP) media control and
filtering era...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3701. RE: [eu-amsat] Competition.

Yahoo group: eu-amsat
Date: 2010-09-06 17:15:27 UTC
From: John Hackett
Topic: 3698 Message: 3701

Hi Luc,
agreed!.

73 John.

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Mon, 6 Sep 2010 13:06:04 -0400
Subject: Re: [eu-amsat] Competition.

On 4 Sep 2010 at 21:04, John Hackett wrote:

Date sent: Sat, 04 Sep 2010 21:04:51 +0200

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] Competition.

To: eu-amsat@yahoogroups.com

Send reply to: eu-amsat@yahoogroups.com

>

> Hey Luc,

> The mail I posted re: the Russian Kosmos Satellite award, on this reflector and CC'd to the

> Amsat-bb has appeared here but hasn't appeared on the Amsat-bb ... (yet).

>

> Maybe the awards people don't like competition ??.

>

> 73 John. <la2qaa@...>

>

Hi John

They didn't like anything who does not fit in their party line they look like more and more the former USSR (CCCP) media control and

filtering era...

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3702. The plain truth

Yahoo group: eu-amsat
Date: 2010-09-07 08:54:30 UTC
From: Luc Leblanc
Topic: 3702 Message: 3702

Is grid chasing is a contest on amateur satellite? In the light of the following videos comments i should say there is still hope in
amateur radio in the US.

Watch and listen carefully especially the AMSAT-NA BOD

http://www.youtube.com/watch?v=IWE7FrVY9T4&feature=fvw

http://www.youtube.com/watch?v=-4iN9lQ1r_E&NR=1

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3703. Low power on AO-7.

Yahoo group: eu-amsat
Date: 2010-09-07 14:07:23 UTC
From: John Hackett
Topic: 3703 Message: 3703

Low power on AO-7,
RW3XL and myself enjoyed a low power contact on AO-7 this afternoon using just 2 watts at each end of the link. I had absolutely no problem copying Igor, even in less than optimum propagation conditions - Aurora to my north east ... making the signals 'watery'.

Alligators take note.

For the newcomer ... 'alligator' = all mouth and no ears.

3704. Working cross mode CW/SSB on satellites

Yahoo group: eu-amsat
Date: 2010-09-07 19:43:39 UTC
From: Terje Haug
Topic: 3704 Message: 3704

Hello Group,

I have enjoyed working cross mode via satellites, and it seems to be efficient as seen from my perspective, I am however open to views on this practice. Responding to SSB calls by CW may be regarded as unnecessary or even impolite or at least a nuisance in some cases, I can see that.

For sure you can not really know if the station will be able to respond or even want to respond to the CW call, however a clear cut response by saying “no CW please” will be/must be respected, and that is rather quickly done.
In the case of having a marginal uplink capability, it will be possible in many cases to provide a readable signal to the SSB station. My opinion is that such a QSO should be limited to callsign and report, but leaving the SSB station the choice of further exchange of information.

Such practice as describe above has by the undersigned proven efficient when working 50 MHz, QRP/P. Obviously it can generate a second or two of “changing ones listening mode” for the SSB station, however it pays off to listen in for CW, and treat that station in the same manner as an SSB station. The station calling in CW offers a chance for one more QSO to be made. The CW signal may penetrate the noise/QRM/other stations, hence a QSO can be made, which was not possible in an efficient manner in SSB

A QSO is a QSO in spite of being cross mode. Is it that simple?

73 de Terje Haug - LA5PBA

3705. RE: [eu-amsat] Working cross mode CW/SSB on satellites

Yahoo group: eu-amsat
Date: 2010-09-07 20:22:36 UTC
From: John Hackett
Topic: 3704 Message: 3705

Group,
I endorse LA5PBA's comments

.For the very reason Terje mentions ... (cross mode) ... as a CW aficiondo, I've always operated my downlink rig in SSB mode.

CW up, USB down.

All my QSO's with K3SZH, I8CVS, G1WPR and G7NFO (RS-10, FO-20, FO-29, AO-7, VO-52 and HO-68)
have been cross mode since about 1993 to the present day.

Most of the experienced (older) Hams have no problem using either mode.

I8CVS and myself often operated both modes on the same pass/same satellite - (FO-29)

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: terjehaug@...
Date: Tue, 7 Sep 2010 12:43:39 -0700
Subject: [eu-amsat] Working cross mode CW/SSB on satellites

Hello Group,

I have enjoyed working cross mode via satellites, and it seems to be efficient as seen from my perspective, I am however open to views on this practice. Responding to SSB calls by CW may be regarded as unnecessary or even impolite or at least a nuisance in some cases, I can see that.

For sure you can not really know if the station will be able to respond or even want to respond to the CW call, however a clear cut response by saying “no CW please” will be/must be respected, and that is rather quickly done.
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A QSO is a QSO in spite of being cross mode. Is it that simple?

73 de Terje Haug - LA5PBA

3706. Re: [eu-amsat] Working cross mode CW/SSB on satellites

Yahoo group: eu-amsat
Date: 2010-09-07 20:36:32 UTC
From: Thomas Frey
Topic: 3704 Message: 3706

Hello Terje

A cross-mode QSO in SSB/FM via satellite is possible with PSK31
and in phone of course. If you talk about efficiency, phone is the
most inefficient mode and PSK31 the most efficient mode I think.
If you can separate tones from a few Hertz and you can follow the
Doppler shift by ear, if you have an absolute ear like a musician
and you are a good CWist, CW could also be very efficient. I exclude
CW by computer. You will have always several signals in an FM downlink,
the tones are depending of the uplink QRG of each operator. Without
software support such a mode is very difficult to decode if not
impossible.

AO-51 with its broadband receiver is the only satellite for cross-mode
yet.

Terje Haug schrieb:
>
>
> Hello Group,
>
> I have enjoyed working cross mode via satellites, and it seems to be
> efficient as seen from my perspective, I am however open to views on
> this practice. Responding to SSB calls by CW may be regarded as
> unnecessary or even impolite or at least a nuisance in some cases, I
> can see that.
>
> For sure you can not really know if the station will be able to
> respond or even want to respond to the CW call, however a clear cut
> response by saying “no CW please” will be/must be respected, and that
> is rather quickly done.
>
> In the case of having a marginal uplink capability, it will be
> possible in many cases to provide a readable signal to the SSB
> station. My opinion is that such a QSO should be limited to callsign
> and report, but leaving the SSB station the choice of further exchange
> of information.
>
> Such practice as describe above has by the undersigned proven
> efficient when working 50 MHz, QRP/P. Obviously it can generate a
> second or two of “changing ones listening mode” for the SSB station,
> however it pays off to listen in for CW, and treat that station in the
> same manner as an SSB station. The station calling in CW offers a
> chance for one more QSO to be made. The CW signal may penetrate the
> noise/QRM/other stations, hence a QSO can be made, which was not
> possible in an efficient manner in SSB

>
> A QSO is a QSO in spite of being cross mode. Is it that simple?
>
> 73 de Terje Haug - LA5PBA
>
>
>
>
>
>
>

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3707. Fair's fair.

Yahoo group: eu-amsat
Date: 2010-09-08 12:00:58 UTC
From: John Hackett
Topic: 3707 Message: 3707

Well, credit where it's due.

My Kocmoc (Cosmos) award posting (with translation into English) finally appeared on the Amsat-bb.

After 5 days since I posted it, I'm able to say - "Better late than never".

73 John. <la2qaa@...>

3708. Re: Working cross mode CW/SSB on satellites

Yahoo group: eu-amsat
Date: 2010-09-09 13:46:07 UTC
From: WILLIAMS M
Topic: 3704 Message: 3708

"regarded as unnecessary or even impolite"

Probably one of my best AO-40 QSOs was hearing TA1D on AO-40 at 8 degrees elevation through the ground clutter using a single 20 turn S-band helix three meters off the ground. He called CQ in SSB. thinking my SSB signal would be unreadable, I used CW. He returned to me in CW with the elevation getting even lower. That QSL card sure looks great on the wall.

It was necessary and I didn't think impolite.

All the best,

Mike K9QHO, Elwood, Indiana USA

--- In eu-amsat@yahoogroups.com, Terje Haug <terjehaug@...> wrote:
>
> Hello Group,
> Â
> I have enjoyed working cross mode via satellites, and it seems to be efficient
> as seen from my perspective, I am however open to views on this practice.
> Responding to SSB calls by CW may be regarded as unnecessary or even impolite or
> at least a nuisance in some cases, I can see that.
> Â
> For sure you can not really know if the station will be able to respond or even
> want to respond to the CW call, however a clear cut response by saying â□□no CW
> pleaseâ□□ will be/must be respected, and that is rather quickly done.
> In the case of having a marginal uplink capability, it will be possible in many
> cases to provide a readable signal to the SSB station. My opinion is that such a
> QSO should be limited to callsign and report, but leaving the SSB station the
> choice of further exchange of information.
> Â
> Such practice as describe above has by the undersigned proven efficient when
> working 50 MHz, QRP/P. Obviously it can generate a second or two of â□□changing
> ones listening modeâ□□ for the SSB station, however it pays off to listen in for
> CW, and treat that station in the same manner as an SSB station. The station
> calling in CW offers a chance for one more QSO to be made. The CW signal may
> penetrate the noise/QRM/other stations, hence a QSO can be made, which was not
> possible in an efficient manner in SSB
> Â
> A QSO is a QSO in spite of being cross mode. Is it that simple?
> Â
> 73 de Terje Haug - LA5PBA
>

3709. Bandpass filters for 2M and 70cm..?

Yahoo group: eu-amsat
Date: 2010-09-09 16:33:12 UTC
From: LA2MOA
Topic: 3709 Message: 3709

Hi group!

Did some major rearrangements in the shack in order to get room for

a)My computers, and
b)Myself

The solution was quite simply to let the FT-726R go, it's quite simply just TOO BIG for my minimalistic shack. I have two FT-817NB rigs, which are more than capable to works all the satellites which are in orbit. The 817 has a wonderful receiver also on 2M and 70cm.

However, today I discovered that I get terrible interference on the 70cm rig when I'm transmitting on 2 metres with the other twin... Furthermore, I'll get the same interference when I'm transmitting on 70cm and listen with the other rig on 2 metres. Well, I can understand that I get problems with the third multiple from 145 MHz when I'm listening on 70cm, what I don't understand is that I get the same problems when I'm listening on 2 metres and transmits on 70...

Well, instead of digging too deep into the cause of the problem, I'm trying to focus on a solution. Aha! Filters...

So, does anyone here have any ideas of a good design for home-brewed bandpass filters (or highpass filters for 70 and lowpassfilters for 145) that I can use. I'm quite sure that I'm not the first one experiencing this kind of problems, it should be quite common when running full duplex with two radios. Or..?

73's all!

Hans / LA2MOA

3710. Re: Bandpass filters for 2M and 70cm..?

Yahoo group: eu-amsat
Date: 2010-09-09 17:23:25 UTC
From: Al
Topic: 3709 Message: 3710

Hi Hans,

Try..
http://www.amsat.org/amsat/articles/w6shp/jfilter.html
for 70Cms.

If you can find one, the old Pye Telecoms 70Cms filters are also pretty good. They will easily tune to the 70Cms amateur bands and can sometimes be found on Ebay or in fleam markets. The model I have is Cat No AE450 F It tunes 380-520Mhz with very small insertion loss.

For 2M, things get a little bigger. Capacitor tuned helical filters are common on this band. Suggest you consult the usual oracles such as the ARRL and RSGB books. I've also seen beer keg filters used to very good effect on 2M.... but you want to SAVE space, not fill it up :-)

73 Al.
GM1SXX

3711. RE: [eu-amsat] Bandpass filters for 2M and 70cm..?

Yahoo group: eu-amsat
Date: 2010-09-09 17:40:00 UTC
From: John Hackett
Topic: 3709 Message: 3711

Privet Hans,
Have a squint at EU Amsat / Photos / La2qaa / Dupleer - (enlarge the pic to see the details).

If that doesn't work, make a pair of stripline filters ... *SHOUT* if you need details.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hans.ostnell@gmail.com
Date: Thu, 9 Sep 2010 16:33:12 +0000
Subject: [eu-amsat] Bandpass filters for 2M and 70cm..?

Hi group!

Did some major rearrangements in the shack in order to get room for

a)My computers, and

b)Myself

The solution was quite simply to let the FT-726R go, it's quite simply just TOO BIG for my minimalistic shack. I have two FT-817NB rigs, which are more than capable to works all the satellites which are in orbit. The 817 has a wonderful receiver also on 2M and 70cm.

However, today I discovered that I get terrible interference on the 70cm rig when I'm transmitting on 2 metres with the other twin... Furthermore, I'll get the same interference when I'm transmitting on 70cm and listen with the other rig on 2 metres. Well, I can understand that I get problems with the third multiple from 145 MHz when I'm listening on 70cm, what I don't understand is that I get the same problems when I'm listening on 2 metres and transmits on 70...

Well, instead of digging too deep into the cause of the problem, I'm trying to focus on a solution. Aha! Filters...

So, does anyone here have any ideas of a good design for home-brewed bandpass filters (or highpass filters for 70 and lowpassfilters for 145) that I can use. I'm quite sure that I'm not the first one experiencing this kind of problems, it should be quite common when running full duplex with two radios. Or..?

73's all!

Hans / LA2MOA

3712. Try this Hans.

Yahoo group: eu-amsat
Date: 2010-09-09 17:50:11 UTC
From: John Hackett
Topic: 3712 Message: 3712
Attachments: 2 described; binary payloads are missing from this source WARC

Hans,
Here's an article I wrote for The Amsat Journal about 15 years ago.

For 70cm divide by 3.

73 John. <la2qaa@...>

3713. Re: [eu-amsat] Bandpass filters for 2M and 70cm..?

Yahoo group: eu-amsat
Date: 2010-09-09 20:36:24 UTC
From: Thomas Frey
Topic: 3709 Message: 3713

Hello Hans

Before you build any filters check out your coax cables and connectors. If
the cables doesn't run in right angles near the antennas or they are
entangled
this can also produce interferences, especially if you turn your rotator.

LA2MOA schrieb:
> Hi group!
>
> Did some major rearrangements in the shack in order to get room for
>
> a)My computers, and
> b)Myself
>
> The solution was quite simply to let the FT-726R go, it's quite simply just TOO BIG for my minimalistic shack. I have two FT-817NB rigs, which are more than capable to works all the satellites which are in orbit. The 817 has a wonderful receiver also on 2M and 70cm.
>
> However, today I discovered that I get terrible interference on the 70cm rig when I'm transmitting on 2 metres with the other twin... Furthermore, I'll get the same interference when I'm transmitting on 70cm and listen with the other rig on 2 metres. Well, I can understand that I get problems with the third multiple from 145 MHz when I'm listening on 70cm, what I don't understand is that I get the same problems when I'm listening on 2 metres and transmits on 70...
>
> Well, instead of digging too deep into the cause of the problem, I'm trying to focus on a solution. Aha! Filters...
>
> So, does anyone here have any ideas of a good design for home-brewed bandpass filters (or highpass filters for 70 and lowpassfilters for 145) that I can use. I'm quite sure that I'm not the first one experiencing this kind of problems, it should be quite common when running full duplex with two radios. Or..?
>
> 73's all!
>
> Hans / LA2MOA
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3714. Re: Bandpass filters for 2M and 70cm..?

Yahoo group: eu-amsat
Date: 2010-09-09 21:55:35 UTC
From: LA2MOA
Topic: 3709 Message: 3714

Hi Thomas!

Thanks for your tips! You're completely right, when I'm transmitting in cartain directions, the interference is completely gone! Well, the cables are laying on the roof, but I will try to split them apart a bit. Maybe that helps.

Thanks also to John for the tip regarding the home brew cavitys for 145 and 435.

73!

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello Hans
>
> Before you build any filters check out your coax cables and connectors. If
> the cables doesn't run in right angles near the antennas or they are
> entangled
> this can also produce interferences, especially if you turn your rotator.
>
>
> LA2MOA schrieb:
> > Hi group!
> >
> > Did some major rearrangements in the shack in order to get room for
> >
> > a)My computers, and
> > b)Myself
> >
> > The solution was quite simply to let the FT-726R go, it's quite simply just TOO BIG for my minimalistic shack. I have two FT-817NB rigs, which are more than capable to works all the satellites which are in orbit. The 817 has a wonderful receiver also on 2M and 70cm.
> >
> > However, today I discovered that I get terrible interference on the 70cm rig when I'm transmitting on 2 metres with the other twin... Furthermore, I'll get the same interference when I'm transmitting on 70cm and listen with the other rig on 2 metres. Well, I can understand that I get problems with the third multiple from 145 MHz when I'm listening on 70cm, what I don't understand is that I get the same problems when I'm listening on 2 metres and transmits on 70...
> >
> > Well, instead of digging too deep into the cause of the problem, I'm trying to focus on a solution. Aha! Filters...
> >
> > So, does anyone here have any ideas of a good design for home-brewed bandpass filters (or highpass filters for 70 and lowpassfilters for 145) that I can use. I'm quite sure that

I'm not the first one experiencing this kind of problems, it should be quite common when running full duplex with two radios. Or..?
> >
> > 73's all!
> >
> > Hans / LA2MOA
> >
> >
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3715. HO-68 weekly schedule

Yahoo group: eu-amsat
Date: 2010-09-12 20:04:30 UTC
From: John Hackett
Topic: 3410 Message: 3715

```
ALL TIMES UTC.

12 Sep 2010
================================
16:00...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

17:45...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
18:30...Turn Off

19:10...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:55...Turn Off

13 Sep 2010
================================
23:35...Turn On--FM/PACSAT
South America,NA,North Asia
00:20...Turn Off

03:17...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:32...Turn Off

14:10...Turn On--FM/PACSAT
NA,South America
14:55...Turn Off

17:25...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:10...Turn Off

21:30...Turn On--FM/PACSAT
NA,East Asia,Oceania
22:15...Turn Off

23:15...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
24:00...Turn Off

14 Sep 2010
================================
```

03:00...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
03:15...Turn Off

11:15...Turn On--FM/PACSAT
Oceania,Asia,Europe
12:00...Turn Off

14:00...Turn On--FM/PACSAT
NA, South America
14:45...Turn Off

17:10...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:55...Turn Off

18:35...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:20...Turn Off

20:25...Turn On--FM/PACSAT
Africa,Europe,NA
21:10...Turn Off

15 Sep 2010
==========
00:45...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:30...Turn Off

02:49...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:04...Turn Off

13:40...Turn On--FM/PACSAT
Europe,NA,South America
14:25...Turn Off

16:50...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:35...Turn Off

18:40...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:25...Turn Off

20:05...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:50...Turn Off

16 Sep 2010
==========
00:30...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
01:15...Turn Off

02:32...Turn On--FM/PACSAT
Asia,Oceania
02:47...Turn Off

13:20...Turn On--FM/PACSAT
Europe,NA,South America
14:05...Turn Off

16:35...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
17:20...Turn Off

18:20...Turn On--FM/PACSAT
Africa,Europe,NA
19:05...Turn Off

19:50...Turn On--FM/PACSAT
Africa,Europe,NA
20:35...Turn Off

17 Sep 2010
==========
00:15...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
01:00...Turn Off

02:14...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:29...Turn Off

13:05...Turn On--FM/PACSAT
Europe, NA,South America
13:50...Turn Off

16:20...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:05...Turn Off

18:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:50...Turn Off

19:35...Turn On--FM/PACSAT
Africa,Europe,NA
20:20...Turn Off

18 Sep 2010
==========
00:00...Turn On--FM/PACSAT
South America,NA,North Asia
00:45...Turn Off

01:58...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:13...Turn Off

12:45...Turn On--FM/PACSAT
Europe, NA,South America
13:30...Turn Off

16:05...Turn On--FM/PACSAT
Africa,Europe,NA
16:50...Turn Off

17:50...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:35...Turn Off

19:15...Turn On--FM/PACSAT
Africa,Europe,NA
20:00...Turn Off

18 Sep 2010
==========
23:40...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
00:25...Turn Off

01:37...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:51...Turn Off

14:20...Turn On--FM/PACSAT
Europe,NA,South America
15:05...Turn Off

3716. Confessions of a traitor!.

Yahoo group: eu-amsat
Date: 2010-09-14 18:05:11 UTC
From: John Hackett
Topic: 3716 Message: 3716

Hello Al,
I have a *TERRIBLE* confession to make. In 44 years of radio, the last 20 of em' exclusively
on CW/SSB satellite ... I just made my very first FM QSO.

YESSSSSSSS !!!, I know! ... I ought to be hung, drawn and quartered then tied to a drum of burning oil
before being hung by the neck until dead at 08:00Z with my eyes being pecked out by the Ravens at the
Tower Of London.

Actally, it was mistake! - (that's my excuse and I'm sticking to it) - I was faffing about with MixW, WISP and
UISS at the beginning of the pass when I heard one of my Russian mates so I grabbed the mic and threw out
a quick 'privet' - whereby Nikolay responded immediately ... before the belam started.

Point to ponder.

Oddly enough, the Telenor digital TV decode is *NOT* affected when I point the aerial south - I'm still trying
to figure this one out ...

I'm CC'ing the to the reflector so that Jow Public can see that La2qaa can fall off the soapbox too.

73 John. <la2qaa@...>

3717. Re: [eu-amsat] Confessions of a traitor!.

Yahoo group: eu-amsat
Date: 2010-09-14 20:13:33 UTC
From: Luc Leblanc
Topic: 3716 Message: 3717

On 14 Sep 2010 at 20:05, John Hackett wrote:

Date sent: Tue, 14 Sep 2010 20:05:11 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Confessions of a traitor!.
To: allan_gm1sxx@...
Copies to: eu-amsat@yahoogroups.com, la2moa@...
Send reply to: eu-amsat@yahoogroups.com

>
> Hello Al,
> I have a *TERRIBLE* confession to make. In 44 years of radio, the last 20 of em' exclusively
> on CW/SSB satellite ... I just made my very first FM QSO.

I think you are in a process of successful ageing John on at least the item 6 "hobbies" criteria.
I cannot evaluate the other ones;)

Successful ageing consists of three components:

1. Low probability of disease or disability;
2. High cognitive and physical function capacity;
3. Active engagement with life.

A greater number of people self-report successful ageing than those that strictly meet these criteria.

Six suggested dimensions of successful ageing include:

1. No physical disability over the age of 75 as rated by a physician;
2. Good subjective health assessment (i.e. good self-ratings of one's health);
3. Length of undisabled life;
4. Good mental health;
5. Objective social support;
6. Self-rated life satisfaction in eight domains, namely marriage, income-related work, children, friendship and social contacts, hobbies, community service activities, religion and recreation/sports.

>
> YESSSSSSSS !!!, I know! ... I ought to be hung, drawn and quartered then tied to a drum of burning oil
> before being hung by the neck until dead at 08:00Z with my eyes being pecked out by the Ravens at the
> Tower Of London.
>
> Actally, it was mistake! - (that's my excuse and I'm sticking to it) - I was faffing

about with MixW, WISP and
> UISS at the beginning of the pass when I heard one of my Russian mates so I grabbed the mic and threw out
> a quick 'privet' - whereby Nikolay responded immediately ... before the belam started.
>
> Point to ponder.
>
> Oddly enough, the Telenor digital TV decode is *NOT* affected when I point the aerial south - I'm still trying
> to figure this one out ...
>
> I'm CC'ing the to the reflector so that Jow Public can see that La2qaa can fall off the soapbox too.
>
> 73 John. <la2qaa@...>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3718. RE: [eu-amsat] Confessions of a traitor!.

Yahoo group: eu-amsat
Date: 2010-09-14 20:36:24 UTC
From: John Hackett
Topic: 3716 Message: 3718

Good one! Luc,
You're one of those North Americans who appreciate and understand the Manchester humour - a very rare bird (pardon the pun) indeed.

Always a pleasure mon ami.

73 John.

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Tue, 14 Sep 2010 16:13:33 -0400
Subject: Re: [eu-amsat] Confessions of a traitor!.

On 14 Sep 2010 at 20:05, John Hackett wrote:

Date sent: Tue, 14 Sep 2010 20:05:11 +0200

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] Confessions of a traitor!.

To: allan_gm1sxx@...

Copies to: eu-amsat@yahoogroups.com, la2moa@gmail.com

Send reply to: eu-amsat@yahoogroups.com

>

> Hello Al,

> I have a *TERRIBLE* confession to make. In 44 years of radio, the last 20 of em' exclusively

> on CW/SSB satellite ... I just made my very first FM QSO.

I think you are in a process of successful ageing John on at least the item 6 "hobbies" criteria.

I cannot evaluate the other ones;)

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2. High cognitive and physical function capacity;

3. Active engagement with life.

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2. Good subjective health assessment (i.e. good self-ratings of one's health);

3. Length of undisabled life;

4. Good mental health;

5. Objective social support;

6. Self-rated life satisfaction in eight domains, namely marriage, income-related work, children, friendship and social contacts, hobbies, community service activities, religion and recreation/sports.

>

> YESSSSSSSS !!!, I know! ... I ought to be hung, drawn and quartered then tied to a drum of burning oil

> before being hung by the neck until dead at 08:00Z with my eyes being pecked out by the Ravens at the

> Tower Of London.

>

> Actally, it was mistake! - (that's my excuse and I'm sticking to it) - I was faffing about with MixW, WISP and

> UISS at the beginning of the pass when I heard one of my Russian mates so I grabbed the mic and threw out

> a quick 'privet' - whereby Nikolay responded immediately ... before the belam started.

>

> Point to ponder.

>

> Oddly enough, the Telenor digital TV decode is *NOT* affected when I point the aerial south - I'm still trying

> to figure this one out ...

>

> I'm CC'ing the to the reflector so that Jow Public can see that La2qaa can fall off the soapbox too.

>

> 73 John. <la2qaa@...>

>

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3719. 25 messages to HO-68 BBS in a single nigth.

Yahoo group: eu-amsat
Date: 2010-09-14 22:23:35 UTC
From: st2nh
Topic: 3719 Message: 3719

Hi all
A new (Guinness) record hi hi . I've suceeded tonigth to uploaded 25 Messages to HO-68 satellite BBS on 2 passes .
Hopeing someone download the complete directory .

read more
http://www.dk3wn.info/p/?p=17248

http://www.dk3wn.info/p/?p=17250

73 de Nader

3720. RE: [eu-amsat] 25 messages to HO-68 BBS in a single nigth.

Yahoo group: eu-amsat
Date: 2010-09-14 23:18:52 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3719 Message: 3720
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Nader,

I was able to download some parts of the directory, I enclose a screenshot, this is my first time that I download the directory of a pacsat with wisp, and I□m a completely newbie! , I was able to upload a message to John, LA2QAA, I hope he will read it tomorrow!

I□m learning how to use wisp, and there are many things I don□t know, but download the directory was terrible due to the voice activity over Europe.

73 de EA1JM, Fran.

PS.- Tomorrow, if I can, I□ll leave you a message on HO-68!

Pacsat forever!

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de st2nh
Enviado el: miércoles, 15 de septiembre de 2010 0:24
Para: eu-amsat@yahoogroups.com
Asunto: [eu-amsat] 25 messages to HO-68 BBS in a single nigth.

Hi all
A new (Guinness) record hi hi . I've suceeded tonigth to uploaded 25
Messages to HO-68 satellite BBS on 2 passes .
Hopeing someone download the complete directory .

read more
http://www.dk3wn.info/p/?p=17248

http://www.dk3wn.info/p/?p=17250

73 de Nader

3721. Digital on HO-68.

Yahoo group: eu-amsat
Date: 2010-09-15 08:41:19 UTC
From: John Hackett
Topic: 3721 Message: 3721

Hello Francisco,
Nice to know you. I noticed your comment to Nader about uploading a message to HO-68 for me. Unfortunately, I won't be able to copy it ... not just yet anyway.

I've been operating radio for 42 years - the last 20 of them on satellite but yesterday was my very first time on FM (!) ... so in this mode I'm a complete newbie too. I'm still setting up WISP myself. I think Nader is the 'digital' expert.

Also, I live on Frei island with no local Hams so I have to teach myself everything.

Perhaps you could send the uploaded message by e-mail Francisco - at least until I get myself on digital mode.

Really good to know somebody else is available for getting to know (for us) a new system.

I operate the HO-68 blog <http://www.observations.biz/XW-1_BLOG/> as well as EU AMSAT so if we can manage to hook up I'll put it on the blog. I'll be listening this evening Francisco - but unfortunately, only on FM voice, until I get the digital side active.

I'm also the local area coordinator for HO-68 but the communications between Camsat and the amateur community could be a 'LOT* better and more frequent ... but HO-68 is a wonderful satellite for a LEO bird.

Have a good day Francisco.

73 John. <la2qaa@...>

Homepage: <http://www.observations.biz>

3722. More power Egon ... MORE !!!! power ...

Yahoo group: eu-amsat
Date: 2010-09-15 19:25:54 UTC
From: John Hackett
Topic: 3722 Message: 3722

I've been operating and monitoring HO-68 in it's FM mode for the last few days.

It's clear that 75% of each workable pass is wasted or unusable, in that stations are just QRM'ing eachother.

It ought to be obvious, but apparently isn't, when the satellite is transmitting a packet burst, an FM voice perator is *NOT* going to get into the transponer - likewise, when someone is actually 'using' the transponder to speak to another station on voice it's a complete waste of time to send a packet stream.

What is obviosly happening far too often is that stations are QRM'ing eachother so that station A in frustration
turns up the power while station B responds - thinking this is the only way to defeat station A.

Heads up !!! ... nobody !!!! is going to get through like that - unless of course station C comes on with *RIDICULOUS* power levels and 'captures' the transponder with sheer force (FM capture effect) as happened this evening (I won't mention the callsign) ... and for the record, I'd stopped attempting to transmit 10 minutes previously so I can assure you it's *NOT* a case of 'sour grapes' on my part.

Think about it ... 75% of the pass unusable because of *AMATEUR* QRM.

It's sad that such a wonderful satellite is 75% unoperable because of atrocious operating proceedure.

I'll leave it to the 'powers that be' to discuss the reasons why this happens..

73 John. <la2qaa@...>

3723. A suggestion.

Yahoo group: eu-amsat
Date: 2010-09-16 17:03:53 UTC
From: John Hackett
Topic: 1646 Message: 3723
Attachments: 1 described; binary payloads are missing from this source WARC

Group,
A suggestion - for when HO-68 is in digital mode.

Perhaps we could get a few more operators to use the free 'UISS' program for UI packet operation.

You *CAN* send small messages in APRS format as well as being able to see where the stations are
located, on APRS.FI - with Google earth type maps.

73 John. <la2qaa@...>

3724. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2010-09-16 17:52:13 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 3724

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /eQSL_Down.zip
Uploaded by : yo9gjx <yo9gjx@...>
Description : A simple program for automatic download your eQsl's from www.eqsl.cc

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/eQSL_Down.zip

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/forms/general.htmlfiles

Regards,

yo9gjx <yo9gjx@...>

3725. Take a deep breath ...

Yahoo group: eu-amsat
Date: 2010-09-16 18:57:36 UTC
From: John Hackett
Topic: 3725 Message: 3725

Group,
I just worked Romania, The Czech Republic, France/M, Spain and the UK on the last HO-68 pass
WITHOUT ever calling CQ.

Any QRP'er worth his salts will tell you about the technique of 'tail-ending' - (or you can Google it).

'Timing' is everything.

Another tip is to take a deep breath before you speak ... (to allow the relays to switch over) ... many
operators forget that - and end up doubling, trippling or even quadrupling - (Google 'FM capture effect' too).

FM *DOES* work if everybody uses a bit of common sense.

My best advice ... relax !!! and don't get frustrated.

NB.

I *DID'NT* 'hog' the satellite. YO9GHX was the only station I called, the other stations called me at varying times throughout the pass.

Thanks to YO9GJX, OK1DNT, F5JSD/M, EA1SAL and G7SVF. Nice operating, Gents.

73 John. <la2qaa@...>

3726. Re: Take a deep breath ...

Yahoo group: eu-amsat
Date: 2010-09-17 15:59:54 UTC
From: LA2MOA
Topic: 3725 Message: 3726

John,

Nice to hear that you're back on FM! FM is indeed a very nice and relaxing mode if everyone onthe sat is adapting one simple thing: Common sense.

I have changed rigs here, as you maybe know. My FT-726R was too big for my shack, and I first planned to replace it with a TR-751E and another good rig for 432 MHz. Now the FT-726R, which was too big, is replaced... With a Kenwood TS-790E(!)... Too big, he said (meaningly)... Yeah, the TS-790E is slightly smaller than the FT-726... haha... And, My God, WHAT A RECEIVER!!! I wish my two sons (6 and 5 years old) had just as good ears as the 790 - then true harmony had been a common state in the QTH, I can tell you...

However, the TS-790E lacks possibility to transmit the subtone necessary to access HO-68 in FM, so I have to stick with AO-51 if I want to work in the Friendl Mode (as FM is defined in, in the ARRL Operating Manual). Yesteray, I had a very nice QSO with UA9UIZ in NO46ec via AO-51. AO-51 is, just as HO-68, a very capable satellite - which allows some very nice DX-QSO:s if everyone adapts the rule of common sense and stops shouting on top of each other. Then, FM becomes a fun mode to work.

Hans / LA2MOA

Cu all on HO-68 (linear mode) next week.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
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>
> Group,
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> *WITHOUT* ever calling CQ.
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> Any QRP'er worth his salts will tell you about the technique of 'tail-ending' - (or you can Google it).
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> 'Timing' is everything.
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> Another tip is to take a deep breath before you speak ... (to allow the relays to switch over) ... many
> operators forget that - and end up doubling, trippling or even quadrupling - (Google 'FM capture effect' too).
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> FM *DOES* work if everybody uses a bit of common sense.
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> My best advice ... relax !!! and don't get frustrated.
>
> NB.

>
> I *DID'NT* 'hog' the satellite. YO9GHX was the only station I called, the other stations called me at varying times throughout the pass.
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> Thanks to YO9GJX, OK1DNT, F5JSD/M, EA1SAL and G7SVF. Nice operating, Gents.
>
> 73 John. <la2qaa@...>
>

3727. RE: [eu-amsat] Re: Take a deep breath ...

Yahoo group: eu-amsat
Date: 2010-09-17 17:07:58 UTC
From: John Hackett
Topic: 3725 Message: 3727

Hello Hans,
TS-790E? ... smaller? ... hrm! ... must be *AT LEAST *!!!! 2mm smaller.

I'm just jealous !!!!.

Yes, I lied! ... I did have one FM QSO about 12 years ago on AO-27 but thye operating was quite! different then, people wern''t climbing on top of eachother ... that has only come with the powers that be giving Ham licenses away in Cornflakes packets at the lopcal supermarket. (tick-box) mentality.

You have to remember, it's ILLEGAL in the European Union to think for yourself or show initiative ...
a define no! ... no!.

THUD !!.

(Falls off soapbox).

Personally, I can't understand why people are having so much difficulty. I'm gettin through with a minimalistic station and low power. OK, Frei Island *MAY* have something to do with it.

BTW ... I operated AM and FM in the military so I'm not 'new' to the mode. Only 'new' on satellite FM,
which is fine for geosyncronous orbits 1 to 1 ... but is *NOT* very sensible for a LEO over a crowded
continent. Well done! Amsat.

I do think they've realised that they shot themselves in the foot ... but there's no way in the world !!!!
they're going to admit it ... they could well be NOGS !!!!.

73 John.

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Fri, 17 Sep 2010 15:59:54 +0000
Subject: [eu-amsat] Re: Take a deep breath ...

John,

Nice to hear that you're back on FM! FM is indeed a very nice and relaxing mode if everyone onthe sat is adapting one simple thing: Common sense.

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Cu all on HO-68 (linear mode) next week.

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> 73 John. <la2qaa@...>

>

3728. Re: Take a deep breath ...

Yahoo group: eu-amsat
Date: 2010-09-18 15:26:22 UTC
From: dl5rdi
Topic: 3725 Message: 3728

Hello John - and every owner of a TS790E,

of course your TS790 E can send CTCSS tones with just a small modification (see mods.dk).
The backdraw is that you loose the 1750Hz tone (for repeaters mainly in Germany).
I made the mod an also installed the decoder board for CTCSS and have a Kenwood Mic with DTMF tones AND the 1750Hz tone in the mic ;-).

So just a small modification and a great step for sats requiring subtones.

73 de John, DL5RDI
--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
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>
> Hello Hans,
> TS-790E? ... smaller? ... hrm! ... must be *AT LEAST *!!!! 2mm smaller.
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> Yes, I lied! ... I did have one FM QSO about 12 years ago on AO-27 but thye operating was quite! different then, people wern''t climbing on top of eachother ... that has only come with the powers that be giving Ham licenses away in Cornflakes packets at the lopcal supermarket. (tick-box) mentality.
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> You have to remember, it's ILLEGAL in the European Union to think for yourself or show initiative ...
> a define no! ... no!.
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> THUD !!.
>
> (Falls off soapbox).
>
> Personally, I can't understand why people are having so much difficulty. I'm gettin through with a minimalistic station and low power. OK, Frei Island *MAY* have something to do with it.
>
> BTW ... I operated AM and FM in the military so I'm not 'new' to the mode. Only 'new' on satellite FM,
> which is fine for geosyncronous orbits 1 to 1 ... but is *NOT* very sensible for a LEO over a crowded
> continent. Well done! Amsat.
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> I do think they've realised that they shot themselves in the foot ... but there's no way in the world !!!!
> they're going to admit it ... they could well be NOGS !!!!.
>
> 73 John.

>
> To: eu-amsat@yahoogroups.com
> From: hans.ostnell@...
> Date: Fri, 17 Sep 2010 15:59:54 +0000
> Subject: [eu-amsat] Re: Take a deep breath ...
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> Hans / LA2MOA
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> > Thanks to YO9GJX, OK1DNT, F5JSD/M, EA1SAL and G7SVF. Nice operating, Gents.
>
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>
> > 73 John. <la2qaa@>
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> >
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3729. RE: LA2MOA's TS-790E.

Yahoo group: eu-amsat
Date: 2010-09-18 16:01:31 UTC
From: John Hackett
Topic: 3725 Message: 3729

John, DL5RDI,
I believe your post was meant for Hans LA2MOE.

I was merely commenting on his recently aquired TS-790E. My own satellite rigs are Yaesu and
are almost 30 years old. I do have a TR-851E but for AO-7's uplink or HO-68's downlink it doesn't
require tones. I've never operated AO-51 and don't intend to start now. If I did need tones
I'd use my IC-E92D ... which I use for APRStt and DTMF comms, as well as GPS and D-Star etc.

I'm sure Hans will appreciate your tip.

I've been a member of the Mods DK website for many years.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: dl5rdi@...
Date: Sat, 18 Sep 2010 15:26:22 +0000
Subject: [eu-amsat] Re: Take a deep breath ...

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of course your TS790 E can send CTCSS tones with just a small modification (see mods.dk).

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> a define no! ... no!.

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> (Falls off soapbox).

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> To: eu-amsat@yahoogroups.com

> From: hans.ostnell@...

> Date: Fri, 17 Sep 2010 15:59:54 +0000

> Subject: [eu-amsat] Re: Take a deep breath ...

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> > Group,

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>

> >

>

> > 73 John. <la2qaa@>

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> >

>

3730. Time to brag... again...

Yahoo group: eu-amsat
Date: 2010-09-18 18:15:57 UTC
From: LA2MOA
Topic: 3730 Message: 3730

...and I'm sorry for that. Just had a very surprising QSO with TK4LS, Laurent, on FO-29. Was calling CQ on what I beleived was a "underpopulated" and more or less activity-free passage, and BANG - a new DXCC on sat as well as a new #. Really nice, indeed.

I also noticed that the latest trend among lids is to transmit FM on linear transponders. This time it was a russian, belarusian or ukrainian goon that shared his way of having fun with everybody else on FO-29.

Ham Radio - it takes all kinds...

Hans / LA2MOA

3731. HO-68 weekly schedule.

Yahoo group: eu-amsat
Date: 2010-09-19 10:04:50 UTC
From: John Hackett
Topic: 3556 Message: 3731

NB.

HO-68 is sheduled for another week of FM operation.

ALL TIMES UTC.

19 Sep 2010
==========
17:35...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:20...Turn Off

18:25...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:10...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
20:05...Turn Off

20 Sep 2010
==========
23:25...Turn On--FM/PACSAT
South America,NA,North Asia
00:10...Turn Off

03:06...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:22...Turn Off

14:05...Turn On--FM/PACSAT
NA,South America
14:50...Turn Off

17:15...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:00...Turn Off

18:45...Turn On--FM/PACSAT
NA,East Asia,Oceania
19:30...Turn Off

23:10...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:55...Turn Off

21 Sep 2010
==========
02:54...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
03:02...Turn Off

10:05...Turn On--FM/PACSAT
Oceania,Asia,Europe
10:50...Turn Off

13:45...Turn On--FM/PACSAT
NA, South America
14:30...Turn Off

17:00...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:45...Turn Off

18:45...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:30...Turn Off

20:15...Turn On--FM/PACSAT
Africa,Europe,NA
21:00...Turn Off

22 Sep 2010
==========
00:40...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:25...Turn Off

02:34...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:49...Turn Off

13:30...Turn On--FM/PACSAT
Europe,NA,South America
14:15...Turn Off

16:45...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:30...Turn Off

18:30...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:15...Turn Off

19:55...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:40...Turn Off

23 Sep 2010
==========
00:20...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
01:05...Turn Off

02:22...Turn On--FM/PACSAT
Asia,Oceania
02:37...Turn Off

13:10...Turn On--FM/PACSAT
Europe,NA,South America
13:55...Turn Off

16:25...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
17:10...Turn Off

18:15...Turn On--FM/PACSAT
Africa,Europe,NA
19:00...Turn Off

19:40...Turn On--FM/PACSAT
Africa,Europe,NA
20:25...Turn Off

24 Sep 2010
==========
00:05...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:50...Turn Off

02:00...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:15...Turn Off

12:55...Turn On--FM/PACSAT
Europe, NA,South America
13:40...Turn Off

16:10...Turn On--FM/PACSAT
India,Africa,Europe,NA
16:55...Turn Off

17:55...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:40...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,NA
20:05...Turn Off

25 Sep 2010
==========
23:50...Turn On--FM/PACSAT
South America,NA,North Asia
00:35...Turn Off

01:48...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:03...Turn Off

12:40...Turn On--FM/PACSAT
Europe, NA,South America
13:25...Turn Off

16:00...Turn On--FM/PACSAT
Africa,Europe,NA
16:45...Turn Off

17:40...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:25...Turn Off

19:05...Turn On--FM/PACSAT
Africa,Europe,NA
19:50...Turn Off

26 Sep 2010
==========
23:30...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
00:15...Turn Off

03:18...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
03:29...Turn Off

14:10...Turn On--FM/PACSAT
Europe,NA,South America
14:55...Turn Off

3732. I must be doing something! right ...

Yahoo group: eu-amsat
Date: 2010-09-19 18:09:11 UTC
From: John Hackett
Topic: 3732 Message: 3732

Hello Al,
I just worked UN7IU, SV2KGA, F0FIG, SP5MG and HB9DLI on the 17:39 UTC HO-68 pass.

I didn't call CQ but used the 'tail-end' technique - (1.7 second relay switching pause) - at various
parts of the pass.

I must be doing 'something' right ...

73 John. <la2qaa@...>

3733. Point to ponder ...

Yahoo group: eu-amsat
Date: 2010-09-19 18:41:21 UTC
From: John Hackett
Topic: 3733 Message: 3733

Group,
A point to ponder ...

On AO-7 I work the same stations over and over ... (and over) ... again ... whereas, so far, at least,
on HO-68 I work a new station with each contact.

73 John. <la2qaa@...> IOTA EU-36.

3734. Re: Point to ponder ...

Yahoo group: eu-amsat
Date: 2010-09-19 19:53:35 UTC
From: LA2MOA
Topic: 3733 Message: 3734

...and this is one of the reasons why I'm considering stop calling CQ on AO-7. The alternative is to quit working the bird completely, because who *really* is interested in working F*IL 311 times every second day???

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> A point to ponder ...
>
> On AO-7 I work the same stations over and over ... (and over) ... again ... whereas, so far, at least,
> on HO-68 I work a new station with each contact.
>
> 73 John. <la2qaa@...> IOTA EU-36.
>

3735. Snot.

Yahoo group: eu-amsat
Date: 2010-09-19 20:04:59 UTC
From: John Hackett
Topic: 3735 Message: 3735
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
S''not gold !! at the end of a rainbow ... it's bloody salmon !!!.

(Note the fishpens).

73 John.

3736. RE: [eu-amsat] Re: Point to ponder ...

Yahoo group: eu-amsat
Date: 2010-09-19 20:15:35 UTC
From: John Hackett
Topic: 3733 Message: 3736

Hans, LA2MOA,
I posted your mail to an old mate of mine - (K3SZH).

Joe, Terry (G1WPR) and I used to head the AO-7 list in the old days when stations actually 'TALKED* !!!!
to eachother on AO-7.

HONEST !!!!! ... they did.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Sun, 19 Sep 2010 19:53:35 +0000
Subject: [eu-amsat] Re: Point to ponder ...

...and this is one of the reasons why I'm considering stop calling CQ on AO-7. The alternative is to quit working the bird completely, because who *really* is interested in working F*IL 311 times every second day???

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Group,

> A point to ponder ...

>

> On AO-7 I work the same stations over and over ... (and over) ... again ... whereas, so far, at least,

> on HO-68 I work a new station with each contact.

>

> 73 John. <la2qaa@...> IOTA EU-36.

>

3737. Addendum. AO-7 v HO-68.

Yahoo group: eu-amsat
Date: 2010-09-20 18:28:32 UTC
From: John Hackett
Topic: 3737 Message: 3737

Captain's log.

Stardate 200920102026Z,

To whom it may concern,
Further to my post re: working different stations on AO-7 vis-a-vis HO-68.

I worked 22 seperate countries on HO-68 in one week *WITHOUT* calling CQ.

They were ...

LX, IK, 9A2, HB, F0, SQ, SP, SV, UN7, EA3, YL2, G7, UK1, YO9, RA4, PA3, SM7, UN9, DF7, HA6, ON4, OZ1.

I'd need to go back to the heady days of 1982 20m RTTY from Gossen island, to compare with that.

NB. ... Not one single CQ call.

Think I'll try for the 'KOCMOC' award I mentioned in a previous post. The Chow Mein eaters might be
interested in the performance of their 'baby'.

Did I mention I was using an 'Arrow' uplink (3 elements) and a homebrew downlink (6 elements).
No preamp - (not needed on HO-68) - the prpverbial wet piece of string is adequate on this satellite -
or failing that, a rusty six inch nail stuffed in a PL-259 coax connector.

Attention GM1SXX.

... Hey !!!, and that's *WITHOUT* !!!! apple crumble and parsnip soup.

Take us to warp four Mister Crusher ... make it so!.

73 John. <la2qaa@...>

3738. ola ola ola ...

Yahoo group: eu-amsat
Date: 2010-09-20 21:13:57 UTC
From: Mike Rupprecht
Topic: 3738 Message: 3738
Attachments: 1 described; binary payloads are missing from this source WARC

... many a man can do an complete QSO in those 20 seconds

heard this evening on HO-68 with a shake of the head

73, Mike

DK3WN

3739. RE: [eu-amsat] ola ola ola ... [1 Attachment]

Yahoo group: eu-amsat
Date: 2010-09-21 09:07:43 UTC
From: John Hackett
Topic: 3738 Message: 3739

Hello Mike,
20 years ago I would have been against using an actual callsign to illustrate poor operating
proceedure ... BUT TIMES HAVE CHANGED.

Since the main organisations appear to shy away from their responsibility of teaching good operating
proceedure and downgrade the standard - in the disguise of 'education' ... it must be up to the experienced operators to lead the way ... ie teach by example.

As you correctly point out, a good operator could have had a QSO in the time it took to groan
- Ole, ole, ole ... there's no need to test equipment on the satellite transponder... the local repeater?.

There is also a mine of information on the net describing how to work FM LEO's ... common sense! is the
keyword ... but unfortunately, today''s society seems to be primarily composed of the me first!!! mentality.

I completely endorse your post Mike, as an illustration of how 'NOT* to behave on a satellite.

No reply necessary.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Mon, 20 Sep 2010 23:13:57 +0200
Subject: [eu-amsat] ola ola ola ... [1 Attachment]

[Attachment(s) from Mike Rupprecht included below]

... many a man can do an complete QSO in
those 20 seconds

heard this evening on HO-68 with a shake of
the head

73, Mike

DK3WN

3740. Re: ola ola ola ...

Yahoo group: eu-amsat
Date: 2010-09-21 10:20:51 UTC
From: Al
Topic: 3738 Message: 3740

Hello guys.

I think you may both be mistaken. He was perhaps not working satellite....but instead calling for more ice cream. I have tried this stuff myself, when I was in Porto, and it's quite good :-) Gelados Ola!

73 Al.
GM1SXX

3741. Re: ola ola ola ...

Yahoo group: eu-amsat
Date: 2010-09-21 12:09:12 UTC
From: st2nh
Topic: 3738 Message: 3741

HI all

History (keeping on)repeat itself !

See those links from EU Amsat Files page.

http://observations.biz/The_Satellite_Zoo/

http://observations.biz/The_Satellite_Zoo/An%20'Observation'%20by%20Nader

73 de Nader

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
>
> ... many a man can do an complete QSO in those 20 seconds
>
>
>
> heard this evening on HO-68 with a shake of the head
>
> 73, Mike
>
> DK3WN
>

3742. Re: [eu-amsat] Re: ola ola ola ...

Yahoo group: eu-amsat
Date: 2010-09-21 13:45:49 UTC
From: Luc Leblanc
Topic: 3738 Message: 3742

On 21 Sep 2010 at 12:09, st2nh wrote:

Date sent: Tue, 21 Sep 2010 12:09:12 +0000
From: st2nh <st2nh@...>
Subject: [eu-amsat] Re: ola ola ola ...
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> HI all
>
> History (keeping on)repeat itself !
>
> See those links from EU Amsat Files page.
>
> http://observations.biz/The_Satellite_Zoo/
>
> http://observations.biz/The_Satellite_Zoo/An%20'Observation'%20by%20Nader
>
> 73 de Nader
>
> --- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
> >
> > ... many a man can do an complete QSO in those 20 seconds
> >
> >
> >
> > heard this evening on HO-68 with a shake of the head
> >
> > 73, Mike
> >
> > DK3WN
> >
>
>
>

Quite impressive but that's something we doesn't have here in NA. There is time we can have a lot of stations calling but not to a point to
step over each other during an entire pass.

The polite way to explain this is the number of stations far exceeding the NA activity level and the other way is numerous stations are
very undiciplined on the satellite lets say very bad satellite operator?. Could be a mix of both too.

Could be the numerous commenting about the right way to operate on satellite does not get to some of theses station probably because they
are mostly written in english not in their own language?

Couple of years ago i was visiting the Menton/Vintimille area and i was able to hear the same Zoo on some local VHF repeater. Each part of
the world have their own ways could be at the bottom line it is the european way? But i could be wrong here and please correct me if it is
the case.
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3743. Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

Yahoo group: eu-amsat
Date: 2010-09-21 19:19:42 UTC
From: LA2MOA
Topic: 3743 Message: 3743

This happened earlier today on AO-27, whichhad a pass with a short FM-voice window, worth to try...

hiss *noise* *sschhshhehsh*
"CQ Sat, 9H5YV"
"9H5YV, this is LA2MOA*
"LIIIMA AAAALFA TOOOOO MIIIKE OOOOOSKAR AAALFA, SIIEEEERA WIIISKEY THREEE OOOOOSKAR...*...*"
"SW3O** PSE QRX, 9H5YM - LA2MOA*
"LA2M?? THIS IS 9H5YM PSE REPEAT YOUR CALL"
"ROGER 9H5YM This is LA2MOA - LA2MOA"
"LIIIMA ALFA TWOOOOOO MIIIKE OOOOSKAR AAAALFA, SIIIIERRRRRRRA WIIIISKEY THREEEEEEEE OOOOOOOOOSKAR...*....*"
"The SW3-station, PLEASE QRX - I AM TRYING TO WORK THE 9H-Station"
"ROGER ROGER OLD MAN YOU ARE FIVE NINE IN GREECE, LOCATOOOORRRR KM0***"
"PLEASE, SW3-STATION. DON'T YOU HAVE EARS??? PLEASE QRX!!!*
"SIERRA WISKEY THREEE OSSSSKARRR *....*...., THIS IS ITALY WISKEY FOUR *...*....."
"NINE HENRY FIVE YANKEE VICTOR, THIS IS DELTA GOLF ZERO...*...*"

I rest my case. Thanks a lot, guys. That would have been a new DXCC, and quite a nice one too, for me on sats.

Hans / LA2MOA
Moaning...

3744. HO-68 Update.

Yahoo group: eu-amsat
Date: 2010-09-21 19:42:12 UTC
From: John Hackett
Topic: 3744 Message: 3744

I've now managed 24 countries in 9 days on HO-68's FM transponder ... and *STILL* not called CQ.

The secret? ... LISTEN BEFORE YOU SPEAK ... plus the old QRP trick of 'tail-ending' ... after the relay switches.

73 John. <la2qaa@...>

3745. RE: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

Yahoo group: eu-amsat
Date: 2010-09-21 19:52:03 UTC
From: John Hackett
Topic: 3743 Message: 3745

Hans,
I can only refer you to my previous post where I mentionesd ... (wait! for it) ... *THE SECRET*.

Which of course is ...

LISTEN BEFORE YOU SPEAK.

If enough people keep putting the message out it might ... j(ust might!) ... eventually sink in ... though
I wouldn''t advise holding your breath while you wait.

73 John. <la2qaa2amsat.org>

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Tue, 21 Sep 2010 19:19:42 +0000
Subject: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

This happened earlier today on AO-27, whichhad a pass with a short FM-voice window, worth to try...

hiss *noise* *sschhshhehsh*

"CQ Sat, 9H5YV"

"9H5YV, this is LA2MOA*

"LIIIMA AAAALFA TOOOOO MIIIKE OOOOOSKAR AAALFA, SIIEEEERA WIIISKEY THREEE OOOOOSKAR...*...*"

"SW3O** PSE QRX, 9H5YM - LA2MOA*

"LA2M?? THIS IS 9H5YM PSE REPEAT YOUR CALL"

"ROGER 9H5YM This is LA2MOA - LA2MOA"

"LIIIMA ALFA TWOOOOOO MIIIKE OOOOSKAR AAAALFA, SIIIIERRRRRRRA WIIIISKEY THREEEEEEEE OOOOOOOOOSKAR...*....*"

"The SW3-station, PLEASE QRX - I AM TRYING TO WORK THE 9H-Station"

"ROGER ROGER OLD MAN YOU ARE FIVE NINE IN GREECE, LOCATOOOORRRR KM0***"

"PLEASE, SW3-STATION. DON'T YOU HAVE EARS??? PLEASE QRX!!!*

"SIERRA WISKEY THREEE OSSSSKARRR *....*...., THIS IS ITALY WISKEY FOUR *...*....."

"NINE HENRY FIVE YANKEE VICTOR, THIS IS DELTA GOLF ZERO...*...*"

I rest my case. Thanks a lot, guys. That would have been a new DXCC, and quite a nice one too, for me on sats.

Hans / LA2MOA

Moaning...

3746. AW: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

Yahoo group: eu-amsat
Date: 2010-09-21 20:08:06 UTC
From: Mike Rupprecht
Topic: 3743 Message: 3746
Attachments: 2 described; binary payloads are missing from this source WARC

John et al,

I totally agree with you .. When only one channel is available, a good operating technique and discipline are indispensable.

At this point, once and once again, a few basic thoughts about operating techniques:

o The first and golden rule-first listen, then send!

o Don't call during on-going QSOs or call CQ-wait, even when it's hard to resist.

o Whistling, tapping, "hello, ooola", and so on is superfluous-on an FM transponder, extra sounds are unnecessary.

o Reduce output to a minimum-an overloaded transponder helps no one

o Keep the QSOs short and essential. Here there is a difference of opinion-is it necessary to send the grid square? During an HF contest, such a report would be a valid QSO. In Europe, we've developed this style-but isn't it more effective to work in contest mode? When the satellite was quite busy-callsign and signal report-that was it. Name, QTH or even the station equipment can be exchanged when one is truly alone on the transponder.

o Practice discipline, limiting yourself to one QSO each pass-during those precious minutes, everybody has a turn. I often sat there with my microphone in my hand and never had a single QSO.

o There will always be stations which will be annoying (due to their operating style)-it is, however, senseless to interfere with these stations-it doesn't help anyone else.

o We respect QSOs in different languages. It actually works with suitable discipline and short QSOs-a pass is often multilingual and listening in can be lots of fun.

Perhaps we shouldn't get caught up with the "daily chaos" and try through our own operating techniques to show a bit more discipline. It's difficult, but we should try it-even when the finger on the microphone key is itching, the output regulator isn't doing anything and when one's eyes are rolling when the name or location is repeated for the third time.

Maybe we can succeed, then, if we use the existing FM satellites that way, just like it's been long been successfully done over existing SSB

transponders. With XW-1, we have the chance to work other continents in FM.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Dienstag, 21. September 2010 21:52
An: eu-amsat@yahoogroups.com
Betreff: RE: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

Hans,
I can only refer you to my previous post where I mentionesd ...
(wait! for it) ... *THE SECRET*.

Which of course is ...

LISTEN BEFORE YOU SPEAK.

If enough people keep putting the message out it might ... j(ust might!) ...
eventually sink in ... though
I wouldn''t advise holding your breath while you wait.

73 John. <la2qaa2amsat.org>

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Tue, 21 Sep 2010 19:19:42 +0000
Subject: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

This happened earlier today on AO-27, whichhad a pass with a short FM-voice window, worth to try...

hiss *noise* *sschhshhehsh*
"CQ Sat, 9H5YV"
"9H5YV, this is LA2MOA*
"LIIIMA AAAALFA TOOOOO MIIIKE OOOOOSKAR AAALFA, SIIEEEERA WIIISKEY THREEE OOOOOSKAR...*...*"
"SW3O** PSE QRX, 9H5YM - LA2MOA*
"LA2M?? THIS IS 9H5YM PSE REPEAT YOUR CALL"
"ROGER 9H5YM This is LA2MOA - LA2MOA"
"LIIIMA ALFA TWOOOOOO MIIIKE OOOOSKAR AAAALFA, SIIIIERRRRRRRA WIIIISKEY THREEEEEEEE OOOOOOOOOSKAR...*....*"
"The SW3-station, PLEASE QRX - I AM TRYING TO WORK THE 9H-Station"
"ROGER ROGER OLD MAN YOU ARE FIVE NINE IN GREECE, LOCATOOOORRRR KM0***"
"PLEASE, SW3-STATION. DON'T YOU HAVE EARS??? PLEASE QRX!!!*
"SIERRA WISKEY THREEE OSSSSKARRR *....*...., THIS IS ITALY WISKEY FOUR *...*....."

"NINE HENRY FIVE YANKEE VICTOR, THIS IS DELTA GOLF ZERO...*...*"

I rest my case. Thanks a lot, guys. That would have been a new DXCC, and quite a nice one too, for me on sats.

Hans / LA2MOA
Moaning...

3747. Re: Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!

Yahoo group: eu-amsat
Date: 2010-09-21 20:52:53 UTC
From: LA2MOA
Topic: 3743 Message: 3747

John (and Mike DK3WN),

Exactly my thoughts...

I don't feel a bit sorry for myself about the lost 9H and new DXCC. There will be plenty of oppurtunities to work 9H on sats, and it's also good to konow that there is at least one 9H-station QRV on satellite. What I feel is that this kind of operational behaviour is just soooooooooooo totally unnecessary. It was not a pile-up "20 meter style", and there was no more that five or six stations QRV on AO-27 at that time. The FM-voice window was about 5 minutes long, which means that there was plenty of time for everyone to work eachother - IF THEY JUST BOTHERED TO LISTEN INSTEAD OF SHOUT!!!!

Anyway, I've got my new DXCC today. Just worked LX2LA on both VO-52 and FO-29... New # and new DXCC. Thanks, André! ;))

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hans,
> I can only refer you to my previous post where I mentionesd ... (wait! for it) ... *THE SECRET*.
>
> Which of course is ...
>
> LISTEN BEFORE YOU SPEAK.
>
> If enough people keep putting the message out it might ... j(ust might!) ... eventually sink in ... though
> I wouldn''t advise holding your breath while you wait.
>
> 73 John. <la2qaa2amsat.org>
>
> To: eu-amsat@yahoogroups.com
> From: hans.ostnell@...
> Date: Tue, 21 Sep 2010 19:19:42 +0000
> Subject: [eu-amsat] Mooooh... ooooooh.....ooooooooolaaa.... The PARADE OF LIDS!!!!
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>
>
> This happened earlier today on AO-27, whichhad a pass with a short FM-voice window, worth to try...
>
>
>
> *hiss* *noise* *sschhshhehsh*
>
> "CQ Sat, 9H5YV"
>
> "9H5YV, this is LA2MOA*
>
> "LIIIMA AAAALFA TOOOOO MIIIKE OOOOOSKAR AAALFA, SIIEEEERA WIIISKEY THREEE OOOOOSKAR...*...*"
>
> "SW3O** PSE QRX, 9H5YM - LA2MOA*
>
> "LA2M?? THIS IS 9H5YM PSE REPEAT YOUR CALL"
>
> "ROGER 9H5YM This is LA2MOA - LA2MOA"
>
> "LIIIMA ALFA TWOOOOOO MIIIKE OOOOSKAR AAAALFA, SIIIIERRRRRRRA WIIIISKEY THREEEEEEEE OOOOOOOOOSKAR...*....*"
>
> "The SW3-station, PLEASE QRX - I AM TRYING TO WORK THE 9H-Station"
>
> "ROGER ROGER OLD MAN YOU ARE FIVE NINE IN GREECE, LOCATOOOORRRR KM0***"
>
> "PLEASE, SW3-STATION. DON'T YOU HAVE EARS??? PLEASE QRX!!!*
>
> "SIERRA WISKEY THREEE OSSSSKARRR *....*...., THIS IS ITALY WISKEY FOUR *...*....."
>
> "NINE HENRY FIVE YANKEE VICTOR, THIS IS DELTA GOLF ZERO...*...*"

>
>
>
> I rest my case. Thanks a lot, guys. That would have been a new DXCC, and quite a nice one too, for me on sats.
>
>
>
> Hans / LA2MOA
>
> Moaning...
>

3748. ... and now for something completely different ... (Monty Python)

Yahoo group: eu-amsat
Date: 2010-09-21 22:23:01 UTC
From: John Hackett
Topic: 3748 Message: 3748

No ... not sport ... THE GOOD NEWS.

On this evening's pass of HO-68 - (210920101854Z) - I actually heard a couple of stations have 1 QSO
then keep quiet. No need to name the callsigns, they know who they bare.

Mike's DK3WN suggested operating proceedure is the best thing since fried bread and if we *ALL* follow his advice ... 1 x QSO and then let somebody else! have a go.

I agree with his suggestion, the 'locator' is redundant. If necessary, it can be found on QRZ.COM so his suggestion of *ONLY* callsign and signal report *IS* valid.

Hust to balance out the GOOD operating on this evenings pass there was also one particular station calling and calling and calling ... and calling !! ... CQ SATELLIT ... on top of strations who were already in QSO.

... err ... FM transponder ... capture effect ... one-at-a-time ...

BELIEVE !!!! me ... it *IS* an advantage having a receiver tuned to the correct frequency. If you don't understand doppler effect - Google it ... likewise ... "Operating FM satellites".

Good one! Mike.

73 John. <la2qaa@...>

3749. Re: [eu-amsat] ... and now for something completely different ... (Monty Python)

Yahoo group: eu-amsat
Date: 2010-09-21 23:34:33 UTC
From: Thomas Frey
Topic: 3748 Message: 3749

John Hackett schrieb:
>
> I agree with his suggestion, the 'locator' is redundant. If necessary,
> it can be found on QRZ.COM so his suggestion of *ONLY* callsign and
> signal report *IS* valid.

Hello John

Since a few months, after an update of QRZ.COM, the details are only available with a login. This is curious, so I have edited my "Details" into "Biography". Look @ http://www.qrz.com/db/HB9SKA

Note to this discussion: Take it easy. Every satellite is circling the earth and is coming again, and again ... again ... :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3750. Re: ... and now for something completely different ... (Monty Python)

Yahoo group: eu-amsat
Date: 2010-09-21 23:42:52 UTC
From: LA2MOA
Topic: 3748 Message: 3750

Thomas wrote: "Take it easy. Every satellite is circling the
earth and is coming again, and again ... again ... :-)"

Well... This applies to everyone, except the french stations operating AO-7. For them every orbit is the last one...

Just my 5 cents,

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> John Hackett schrieb:
> >
> > I agree with his suggestion, the 'locator' is redundant. If necessary,
> > it can be found on QRZ.COM so his suggestion of *ONLY* callsign and
> > signal report *IS* valid.
>
> Hello John
>
> Since a few months, after an update of QRZ.COM, the details are only
> available with a login. This is curious, so I have edited my "Details"
> into "Biography". Look @ http://www.qrz.com/db/HB9SKA
>
> Note to this discussion: Take it easy. Every satellite is circling the
> earth and is coming again, and again ... again ... :-)
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3751. Re: The Zoo.

Yahoo group: eu-amsat
Date: 2010-09-22 10:14:49 UTC
From: John Hackett
Topic: 3751 Message: 3751

A good one from Thomas Gents ...

>Take it easy. Every satellite is circling the

>earth and is coming again, and again ... again ... :-)

... and while I "have the mic" ...

Be aware there's a nasty little trojahn floating about purporting to be be a Camsat password reset.

DON'T open it, it's *NOT* !!! authentic.

Don't be fooled ... click on the - "GET ME OUT OF HERE" - icon and delete! the post.

73 John. <la2qaa@...>

3752. 'Rubber stamping.

Yahoo group: eu-amsat
Date: 2010-09-22 10:31:41 UTC
From: John Hackett
Topic: 3752 Message: 3752

Hello Al,
As you know, I agree 100%. The 'communication' seems to have disappeared, not to speak of the experimentation ... but perhaps we *CAN* still utilise the ''self training' aspect of the hobby ... to become
better operators.

Having said that, I concur with Mike that FM satellites are only suitable for 'contest'' type operation -
(as I've attempted to show this last 10 days). As Mike (IMHO) correctly stated, the locator in such
short exchanges is redundant.

Rather than 'whinge' and acheave nothing at all, I decided to *attempt* to do something about the operating proceedure problematic by teaching by example. I may *STILL* acheave nothing - but at least I'll have tried.

CC'd to the group for general interest.

73 John. <la2qaa@...>

3753. Silly me !!! ...

Yahoo group: eu-amsat
Date: 2010-09-22 19:08:55 UTC
From: John Hackett
Topic: 3753 Message: 3753

Silly me !!!. I'd always assumed full duplex meant that everybody could hear everybpdy else on a
transponder like HO-68 in FM mode ... but it appears that F0FIG has a different interpretation - since he was calling 'CQ satellite' on top of UN7IU who was speaking to SP8CGR ... whom, with his very strong signal continued to call CQ throughout most of the pass - effectively blocking the satellite for any other users.

... and on that subject, here's a bit of common sense from Hal ZS6WB - (with a comment from LA2QAA)
followed by a PS from Hal.

.....

Hi John

Here's some food for thought!

A valid QSO is one where callsigns and a previously unknown piece of information is exchanged. Generally this is the signal report but the signal report is not required.

More and more satellite operators are chasing grid squares for VUCC and other operating awards. In the U.S. there are almost daily grid activations from grids other than the home grid listed in QRZ.COM and the same will happen in Europe. As an example, ND9M recently took a holiday and activated 79 different grids and he is on another one of those trips in the western U.S. right now.

Suggestion ... (assuming contest style operating).

Why not drop the signal report and exchange only grid squares so you know where the other station is for sure. The four digit square is all that is required and then you are sure you have his real location.

If I were a well-disciplined satellite operator I wouldn't call anyone unless I heard a grid locator that I needed and I would then call that particular station with a quick exchange of grids to complete the QSO.

10 to 15 seconds per QSO and a lot more efficient as you only call the grids you need - (hopefully).

We've recently updated our VHF contest rules and the contest exchange is now defined as "an exchange of callsigns and six-digit grid locator with signal reports optional, but not required.".

What are your thoughts on this?

73 - Hal ZS6WB

.....
.....

Comment from LA2QAA.

Snip ...

In fact, I'd like to put the following post on the reflector VERBATUM ... (as is, to you!) ... as a 'suggestion' to guage the reaction of some of the experienced operators ... but of course I won't do that without your permission.

I think it's an excellent idea 'as is' but would suggest a recommended maximum of 3 x contacts throughoutthe pass - (*NOT* !!! necessarily consequative contacts) - this, to help alleviate the tendency of the 'impatient' stations ... (whom may get bored and start with their ... CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ) ... thereby making a pig's ear of the system.

HO-68 is a great satellite in that it caters for various types of operator/mode. My own personal opinion is that it's the best one we've got. On par with RS-10 regarding sensitive receivers with the DX opportunities of FO-20.
.....
.....

The three QSO
limit sounds reasonable but some common sense should be used. If a rare portable
DX station is on and it may be the only pass available then he should have
priority.and fixed stations could be picked up another time. A good example
might be a /MM station in a rare "wet" square. They are a lot of
fun, by the way.

73
- Hal
.....
.....

It would be nice to get some feedback regarding the above suggestion.

Please note that the above is a *SUGGESTION* ... and *NOT* a recommendation endorsed by CAMSAT
so there's no need to get your knickers in a twist if you don't agree with it.

73 John. <la2qaa@...>

3754. DSTAR on AO-51

Yahoo group: eu-amsat
Date: 2010-09-24 07:21:35 UTC
From: Luc Leblanc
Topic: 3754 Message: 3754

Is it possible to have AO-51 configure to pass DSTAR signal as AO-27 does? With autumn first day today we will have more time inside
available and it could be an interesting experiment. On V/U fm mode DSTAR signal does not pass through as a previous test made last year.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3755. HO-68 Schedule 26th September - 10th October.

Yahoo group: eu-amsat
Date: 2010-09-24 10:05:18 UTC
From: John Hackett
Topic: 3755 Message: 3755

ALL TIMES UTC.

26 Sep 2010
==========
17:20...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
18:05...Turn Off

19:10...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:55...Turn Off

20:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
21:20...Turn Off

23:15...Turn On--CW/SSB
South America,NA,North Asia
00:00...Turn Off

27 Sep 2010
==========
02:57...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:12...Turn Off

13:50...Turn On--CW/SSB
NA,South America
14:35...Turn Off

17:05...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:50...Turn Off

18:55...Turn On--CW/SSB
NA,East Asia,Oceania
19:40...Turn Off

22:55...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:40...Turn Off

28 Sep 2010
==========

02:40...Turn On--CW/SSB
North Asia, East Asia,South Asia
02:55...Turn Off

10:55...Turn On--CW/SSB
Oceania,Asia,Europe
11:40...Turn Off

13:35...Turn On--CW/SSB
NA, South America
14:20...Turn Off

16:45...Turn On--CW/SSB
India,Middle East,Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
India,Middle East,Europe,NA
19:20...Turn Off

20:05...Turn On--CW/SSB
Africa,Europe,NA
20:50...Turn Off

29 Sep 2010
==========
00:25...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
01:10...Turn Off

02:22...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:36...Turn Off

13:20...Turn On--CW/SSB
Europe,NA,South America
14:05...Turn Off

16:30...Turn On--CW/SSB
India, Africa,Europe,NA
South America
17:15...Turn Off

18:20...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:05...Turn Off

19:45...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:30...Turn Off

30 Sep 2010
==========
00:10...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
00:55...Turn Off

02:07...Turn On--CW/SSB
Asia,Oceania
02:22...Turn Off

13:00...Turn On--CW/SSB
Europe,NA,South America
13:45...Turn Off

16:10...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
16:55...Turn Off

18:05...Turn On--CW/SSB
Africa,Europe,NA
18:50...Turn Off

19:30...Turn On--CW/SSB
Africa,Europe,NA
20:15...Turn Off

01 Oct 2010
==========
23:55...Turn On--CW/SSB
Oceania,Asia,Europe,NA
00:40...Turn Off

01:49...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:01...Turn Off

12:45...Turn On--CW/SSB
Europe, NA,South America
13:30...Turn Off

16:00...Turn On--CW/SSB
India,Africa,Europe,NA
16:45...Turn Off

17:45...Turn On--CW/SSB
India,Africa,Europe,NA
18:30...Turn Off

19:15...Turn On--CW/SSB
Africa,Europe,NA
20:00...Turn Off

02 Oct 2010
==========
23:35...Turn On--CW/SSB
South America,NA,North Asia
00:20...Turn Off

03:24...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:35...Turn Off

12:30...Turn On--CW/SSB
Europe, NA,South America
13:15...Turn Off

17:30...Turn On--CW/SSB
Africa,Europe,NA
18:15...Turn Off

19:15...Turn On--CW/SSB
India,Africa,Europe,NA
20:00...Turn Off

20:45...Turn On--CW/SSB
Africa,Europe,NA
21:30...Turn Off

23:20...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
00:05...Turn Off

03 Oct 2010
==========
03:02...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
03:17...Turn Off

14:00...Turn On--CW/SSB
Europe,NA,South America
14:45...Turn Off

17:10...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
17:55...Turn Off

19:00...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
19:45...Turn Off

20:25...Turn On--FM/PACSAT
Africa,Europe,Middle East,NA
21:10...Turn Off

23:05...Turn On--FM/PACSAT
South America,NA,North Asia
023:50...Turn Off

04 Oct 2010
==========
02:45...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:00...Turn Off

13:40...Turn On--FM/PACSAT
NA,South America
14:25...Turn Off

16:55...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
17:40...Turn Off

18:40...Turn On--FM/PACSAT
NA,East Asia,Oceania
19:25...Turn Off

22:45...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:30...Turn Off

05 Oct 2010
==========
02:25...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
02:40...Turn Off

10:45...Turn On--FM/PACSAT
Oceania,Asia,Europe
11:30...Turn Off

13:25...Turn On--FM/PACSAT
NA, South America
14:10...Turn Off

16:35...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:20...Turn Off

18:25...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:10...Turn Off

19:55...Turn On--FM/PACSAT
Africa,Europe,NA
20:40...Turn Off

06 Oct 2010
==========
00:15...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:00...Turn Off

02:10...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:25...Turn Off

13:10...Turn On--FM/PACSAT
Europe,NA,South America
13:55...Turn Off

16:20...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:05...Turn Off

18:10...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
18:55...Turn Off

19:35...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:20...Turn Off

07 Oct 2010
==========
00:00...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
00:45...Turn Off

01:55...Turn On--FM/PACSAT
Asia,Oceania
02:10...Turn Off

12:50...Turn On--FM/PACSAT
Europe,NA,South America
13:35...Turn Off

16:00...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
16:45...Turn Off

17:55...Turn On--FM/PACSAT
Africa,Europe,NA
18:40...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,NA
20:05...Turn Off

08 Oct 2010
==========
23:45...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:30...Turn Off

01:35...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:50...Turn Off

12:35...Turn On--FM/PACSAT
Europe, NA,South America
13:20...Turn Off

16:10...Turn On--FM/PACSAT
India,Africa,Europe,NA
16:55...Turn Off

17:35...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:20...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,NA
20:05...Turn Off

20:50...Turn On--FM/PACSAT
Europe,NA,South America
21:35...Turn Off

09 Oct 2010
==========
23:30...Turn On--FM/PACSAT
South America,NA,North Asia
00:15...Turn Off

01:20...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:35...Turn Off

12:20...Turn On--FM/PACSAT
Europe, NA,South America
13:05...Turn Off

17:15...Turn On--FM/PACSAT
Africa,Europe,NA
18:00...Turn Off

19:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:50...Turn Off

20:35...Turn On--FM/PACSAT
Africa,Europe,NA

21:20...Turn Off

23:10...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:55...Turn Off

10 Oct 2010
==========
02:50...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
03:05...Turn Off

13:45...Turn On--FM/PACSAT
Europe,NA,South America
14:30...Turn Off

3756. How *DO* you get through to them ???

Yahoo group: eu-amsat
Date: 2010-09-26 19:55:10 UTC
From: John Hackett
Topic: 3756 Message: 3756

The operating on this evenings passes of HO-68 was absolutely atrocious!.

There was obviously a 'competition' between the Russian CQ SATELLITE, CQ SATELLITE, CQ SATELLITE
who didn't hear the stations replying to him ... competing withAWWWLER ... AWWWLER ... AWWWLER ...
(switched to USB, surprise !!!, an Italian) both co0mpeti8ng with the ... "I'm *ONLY* using 100 watts"
station.

On HO-68 you could use 50 watts to a wet sock! and still communicate.

The beacon is 200mW !!! and most people hear that OK. I often have QSO's using 200Mw so there really
is no need for being an ALLIGATOR with 100 watts.

Several times on both passes I was 'STOMPED* on by stations calling CQ *WITHOUT* asking if the frequency was in use. Had they listened !!!! before transmitting they'd have heard it *WAS* in use ... but who actually listens !!!! these days?.

Operating QRP really *HAS* become a challenge on satellites this last few years but it's not the propagation that is the main problem, it's the extreemly poor habits, manners and standard of operating brought in by the
FM era.

You expect! this kind of operating from FM afficiondos - many have never been taught the art of operating properly - and now, several are bringing these habits to the linear satellites.

MINE'S BIGGER THAN YOURS !!!! ...

MORE POWER EGON ... MORE POWER ... MORE POWER !!! ...

73 John. <la2qaa@...>

Thud !!!!

(Falls off soapbox).

ALLIGATOR = all mouth and no ears.

3757. Re: How *DO* you get through to them ???

Yahoo group: eu-amsat
Date: 2010-09-26 20:39:17 UTC
From: st2nh
Topic: 3756 Message: 3757

How *DO* you get through to them ???

Dear John ,
You need a Russian tube amplifier and EME array antenna!!

ALLIGATOR = all mouth and no ears.
ALLIGATOR = Big mouth ,small ears.
ALLIGATOR = 1000 watts with dummy load antenna.
ALLIGATOR = 100 watts with closed SQL.
ALLIGATOR = big lizard.
ALLIGATOR = giant reptiles.

Good DX OM
73 Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> The operating on this evenings passes of HO-68 was absolutely atrocious!.
>
> There was obviously a 'competition' between the Russian CQ SATELLITE, CQ SATELLITE, CQ SATELLITE
> who didn't hear the stations replying to him ... competing withAWWWLER ... AWWWLER ... AWWWLER ...
> (switched to USB, surprise !!!, an Italian) both co0mpeti8ng with the ... "I'm *ONLY* using 100 watts"
> station.
>
> On HO-68 you could use 50 watts to a wet sock! and still communicate.
>
> The beacon is 200mW !!! and most people hear that OK. I often have QSO's using 200Mw so there really
> is no need for being an ALLIGATOR with 100 watts.
>
> Several times on both passes I was 'STOMPED* on by stations calling CQ *WITHOUT* asking if the frequency was in use. Had they listened !!!! before transmitting they'd have heard it *WAS* in use ... but who actually listens !!!! these days?.
>
> Operating QRP really *HAS* become a challenge on satellites this last few years but it's not the propagation that is the main problem, it's the extreemly poor habits, manners and standard of operating brought in by the
> FM era.
>
> You expect! this kind of operating from FM afficiondos - many have never been taught the art of operating properly - and now, several are bringing these habits to the linear satellites.

>
> MINE'S BIGGER THAN YOURS !!!! ...
>
> MORE POWER EGON ... MORE POWER ... MORE POWER !!! ...
>
> 73 John. <la2qaa@...>
>
> Thud !!!!
>
> (Falls off soapbox).
>
> ALLIGATOR = all mouth and no ears.
>

3758. Fair comment.

Yahoo group: eu-amsat
Date: 2010-09-27 06:12:37 UTC
From: John Hackett
Topic: 710 Message: 3758

While it's true that you find - 'the same old faces' - on AO-7, IMHO the general standard of operating
is better on AO-7 than on HO-68 ... which is a pity because HO-68 is a wonderful satellite.

One notable exception is one particular French station who persists with deliberate QRM when he doesn't
get an answer ... after transmitting on top of another station.

OK !!! ... my QRP *IS* weak ... but you *CAN* hear it if you actually *LISTEN* before transmitting.

Another problem scenario is the differing 'convention' for doppler tuning ... and before ya'll start
quoting the 'one true rule' - not everybody has a flashy new computer and rig with automatic doppler correction available. As it's always been, some people interpret manual tuning one way - others a different way.

With an orbit like AO-7's doppler should *NOT* be a problem whichever! convention you use - but that of
course requires common sense.

With one particular station this morningy, on almost every transmission the callsign changed ... a common mistake, from certain people trying to be "clever" - by transmitting faster than they're capable of - thereby sending a *LOT* of errors.

Those tactics belong on 20m - not on AO-7 or HO-68. The ARRL recommends not answering such stations,
just leave them to their endless CQ's ... when they don't get an answer but hear QSO's going on all around them, they *MIGHT* eventually get the message ... (yes, we can hear you but choose not to answer poor
operating) ... but don't hold your breath while you're waiting.

TIP.

Slow down - so that the 'errors' in your callsign are reduced by 50%.

Believe it or not, a slower, correctly sent callsign is more efficient and is transmitted faster than one that's
transmitted with erors and needs to be repeated repeated ... again
.....and again.

The common sense department ... a CW net can only operate at the speed of the slowest operator.

The fastest is almost always *NOT* the best ... the reason is more often than not - "Look at me" ...
(read: a lack of confidence/wants to be 'noticed').

The two usual reasons a station doesn't answer are ...

1) They can't hear you.

2)They chooses not to.

Deliberately calling CQ on top of a station that doesn't answer you really is childish.
It'd *MUCH* more sensible to go and find somebody who *WILL* answer you.

73 John. <la2qaa@...>a

3759. Re: A suggestion.

Yahoo group: eu-amsat
Date: 2010-09-29 20:48:16 UTC
From: st2nh
Topic: 1646 Message: 3759

Dear John and all

UISS work with digipeater satellite and ISS to relay back the UI packet frames . But HO-68 is not a digipeater satellite ,HO-68 mode is PACSAT Broadcast Protocol. Only WisP or an old DOS program PB.exe and PG.exe work on the PACSAT Broadcast Protocol .

Good Luck OM
73 de Nader
st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Group,
> A suggestion - for when HO-68 is in digital mode.
>
> Perhaps we could get a few more operators to use the free 'UISS' program for UI packet operation.
>
> You *CAN* send small messages in APRS format as well as being able to see where the stations are
> located, on APRS.FI - with Google earth type maps.
>
> 73 John. <la2qaa@...>
>

3760. RE: [eu-amsat] Re: A suggestion.

Yahoo group: eu-amsat
Date: 2010-09-29 20:56:24 UTC
From: John Hackett
Topic: 1646 Message: 3760

QSL Nader

73 John.

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Wed, 29 Sep 2010 20:48:16 +0000
Subject: [eu-amsat] Re: A suggestion.

Dear John and all

UISS work with digipeater satellite and ISS to relay back the UI packet frames . But HO-68 is not a digipeater satellite ,HO-68 mode is PACSAT Broadcast Protocol. Only WisP or an old DOS program PB.exe and PG.exe work on the PACSAT Broadcast Protocol .

Good Luck OM

73 de Nader

st2nh

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Group,

> A suggestion - for when HO-68 is in digital mode.

>

> Perhaps we could get a few more operators to use the free 'UISS' program for UI packet operation.

>

> You *CAN* send small messages in APRS format as well as being able to see where the stations are

> located, on APRS.FI - with Google earth type maps.

>

> 73 John. <la2qaa@...>

>

3761. ND9M Road Trip Update

Yahoo group: eu-amsat
Date: 2010-09-23 09:50:25 UTC
From: John Hackett
Topic: 3761 Message: 3761

Hello Hal, ZS6WB,
As far as I know, the only serious grid square chasers in Europe are the meteor scatter crowd and the terrestial VHF/UHF/MICROWAVE opperators.

I don't think the vast majority of LEO satellite users are even aware of the concept like it's performed
Stateside or /MM by VQ9.

Perhaps somebody should write and submit a grid square "How to" for the group.

(I'm too lazy!).

73 John. <la2qaa@...>

3762. From the soapbox ...

Yahoo group: eu-amsat
Date: 2010-10-01 16:36:16 UTC
From: John Hackett
Topic: 3762 Message: 3762

two rants from the soapbox today ...

1)

It would be nice if somebody could whisper in IK8YSS''s ear that filling in the AO-7 log for next Friday
(05.10.2010), today, the 02.10.2010 at 07:53 makes a mockery of the log statistics.

He can edit and correct his own entry by clicking on the spyglass at the left of the screen, make sure! the
'remember me' box is checked on the NEW CONTACT page.

2) The *GENTLEMAN* attempting to QRM my QRP on the last AO-7 pass probably heard ... you didn't do
it did you. FYI Sir ... a repetitive 'faster than you're capable of' will *NEVER* drown out a clean transmitted
QRP signal without errors ... as 9A2EY and EA3GP can attest to.

I've been at this game for over 40 years son and I can assure you, operators like you are 10 a penny.
Was I irritated? ... absolutely not ... just amused. QRP''ers are quite used to deaf people.

There !!! ... now you've had your moment of glory.

73 John. <la2qaa@...>

3763. Monday the 4th.

Yahoo group: eu-amsat
Date: 2010-10-02 15:48:44 UTC
From: John Hackett
Topic: 3763 Message: 3763

I'm sure most of us are aware of the significancxe of Monday.

It's the 4th of October ... nothing ?? ...

Perhaps a few hints are called for? ...

The newspaper NPABDA ... (Pravda)

The R-7 launch vehicle ...

1957 ....

If you still don't know, it's the 53rd anniversary of the launch of Sputnik by The Union of Soviet Socialist Republics ... USSR or (CCCP in Russian) ... without which, none of us would be here piddling about with
satellite communications.

73 John. <la2qaa@...>

3764. Good one !!! Nader.

Yahoo group: eu-amsat
Date: 2010-09-26 23:17:18 UTC
From: John Hackett
Topic: 3764 Message: 3764

Hello Nader,
That was a good one.

I'm glad somebody can see my tongue-in-cheek humour.

By the way, Nader, I copied you the other day on HO-68 using the UISSpacket program.

I've set up WISP and MixW with the VSPE program as you recommended. Everything seems to work
OK but I havn't used it on HO-68 yet. I'm still setting up the UISS program for satellite APRS messages.

I havn't done any digital satellite stuff since the old PSK-1 stuff on LO-19 and PB and PG on UO-22 so I'm
having to learn all over again. I forgot everything ... and the older you get, the harder it is to learn.

Interesting !! though ...

73 John. <la2qaa@...>
73 John.

3765. Re: Monday the 4th.

Yahoo group: eu-amsat
Date: 2010-10-03 06:26:05 UTC
From: yo9gjx
Topic: 3763 Message: 3765

Well John is not a round number. 4 oct. 1957 - 4 oct. 2010
And first Sputnik was round like a ball Hi (except antennas)

For memory:
http://www.youtube.com/watch?v=o-mZ9pKvCmk

3766. RE: [eu-amsat] Re: Monday the 4th.

Yahoo group: eu-amsat
Date: 2010-10-03 12:36:01 UTC
From: John Hackett
Topic: 3763 Message: 3766

Excellent !!! Florian,
Thanks for that video. I hope all our members appreciate the humour.

FB!.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: yo9gjx@...
Date: Sun, 3 Oct 2010 06:26:05 +0000
Subject: [eu-amsat] Re: Monday the 4th.

Well John is not a round number. 4 oct. 1957 - 4 oct. 2010

And first Sputnik was round like a ball Hi (except antennas)

For memory:

http://www.youtube.com/watch?v=o-mZ9pKvCmk

3767. Knocking it in with a wallbrick chucked at the back of the skull.

Yahoo group: eu-amsat
Date: 2010-10-03 22:39:47 UTC
From: John Hackett
Topic: 3767 Message: 3767
Attachments: 1 described; binary payloads are missing from this source WARC

For those just getting started in satellite communications the attached pdf file, while quite old now,
is probably the best 'introduction' to FM satellite communications.

Unfortunately, the pdf is no longer available for download because the originator's account is suspended.

Perhaps someone could open the pdf and add it to the group's file department.

Why don''t I do it? ....

Because I'm as thick as two short planks on a computer and don't know my arse from my elbow ...
(but at least I'm honest).

Luckily, I kept a copy of this file when I first came across it a few years ago ... in those days I was *TOTALLY* against FM as a non-military satellite mode over populated areas.

I'll *NEVER* need this file ... (in)famous last words.

Newcomers are advisesd to swot (read up on) correct operating proceedure - which can be summed up in
three words ...

1) listen
2) listen
3) listen

... and as a PS ... keep your power down.

50 watts effective radiated power really is too much on a LEO ... that's 50w to an omnidirectional aerial,
5 watts to a 10dB gain aerial ... (TAKE INTO ACCOUNT FEEDLINE LOSSES) ... or any permutation in
between that will produce a maximum of 50w EIRP.

Some stations are running twice! that - but are pretending they're not ... *DON'T* become one of these
clowns. Operating skill is *FAR* !!!! more effective than power. Don't help to shorten the satellite's life
by knocking it silly with ridiculous amounts of power.

Please use some common sense, regardless of which satellite you use.

Try to remember, it's a shared resource ... don't *HOG* it. A good operator makes 1 x QSO and lets somebody else have a turn.

73 John. <la2qaa@...>

3768. DSTAR on AO-51

Yahoo group: eu-amsat
Date: 2010-10-04 04:34:22 UTC
From: Luc Leblanc
Topic: 3754 Message: 3768

I don't know if you are able to send messages to the AO-51 modes e-mail address but as you can see below i'm not getting a lot of
success... Should i used Trumpets to get the Jericho walls down? Could be a useful topic at the 2010 AMSAT Symposium "AMSAT-NA really is
open to different opinions?"

From: Luc Leblanc <lucleblanc6@...>
To: marklhammond@...
Subject: DSTAR on AO-51
Date sent: Tue, 28 Sep 2010 00:33:22 -0400
Hi

Here is a copy of two message sent to the following address both has been rejected?

ao51-modes-owner@....
ao51-modes@...

>
> My first message on ao51-modes@... has been rejected i try again on this alternative address:
>
> ao51-modes-owner@...
>
>
>
> On 27 Sep 2010 at 21:20, ao51-modes-owner@... wrote:
>
> Date sent: Mon, 27 Sep 2010 21:20:00 -0700
> From: ao51-modes-owner@...
> Subject: DSTAR on AO-51
> To: lucleblanc6@...
>
> > You are not allowed to post to this mailing list, and your message has
> > been automatically rejected. If you think that your messages are
> > being rejected in error, contact the mailing list owner at
> > ao51-modes-owner@....
> >
> >
>
>
> If the power budget and time on the schedule is available DSTAR mode on AO-51 can be
> interesting to be tested using L band for the uplink
> and UHF for the downlink. As per this message from Drew KO4MA below. It can be also a
> good demo if some other station can joining me on
> this experiment.
>

> Thank's
>
>
> On 26 Apr 2009 at 0:56, Andrew Glasbrenner wrote:
>
> > Gentlemen,
> >
> > Please do not use D-Star via AO-51. If you want to try D-Star on satellite
> > right now, use AO-27 where the control ops welcome it, or request
> > some time set aside on AO-51 via the ao51-modes email address. The repeater
> > modes on AO-51 are for analog voice only unless otherwise designated in the
> > monthly schedule. Request some time on a second repeater to try the mode and
> > it -will- be approved, but do not mix it up with the analog users.
> >
> > 73, Drew KO4MA
> > AMSAT-NA VP Operations
>
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3769. Re: Monday the 4th.

Yahoo group: eu-amsat
Date: 2010-10-04 07:29:47 UTC
From: Al
Topic: 3763 Message: 3769

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> Well John is not a round number. 4 oct. 1957 - 4 oct. 2010
> And first Sputnik was round like a ball Hi (except antennas)
>
> For memory:
> http://www.youtube.com/watch?v=o-mZ9pKvCmk
>

Ah good old 7!
Shook up the World a bit... and it's successor is still delivering.
If it ain't broke.... don't fix it.

Happy Birthday Sputnik.
Oh..FAB song.

73 AL.
GM1SXX

3770. (no subject)

Yahoo group: eu-amsat
Date: 2010-10-04 15:22:21 UTC
From: John Hackett
Topic: 3770 Message: 3770

Group,
I had my second ever AO-51 QSO at 15:07Z today with RW3XL.

One QSO and let somebody else have a go.

I decided to try the 16:43 pass too ... utter chaos!, with not one but several! stations calling on top of eachother.

Is it mandatory to *NOT* !!! listen on FM ???.

What is! the point of calling CQ satellite (a 'well known' G station) while two other stations are already in
QSO ???. Then there was the "/P" station with the strogest signal in the passband (think about it) - not to
speak of the AWWWWWLER ... AWWWWWWWLER ... AWWWWWWWWWLER (water buffalo with stomach ulcers ??) station.

That particular QRM was of course quite deliberate because nobody !!! takes that long to find their downlink ... unless of course they *DON'T* !!!! have a receiver.

Ohh well, it did remind me why I stay well away from AO-51.

A tip for the newcomer. You should try to emulate (copy) RW3XL ... at least then you'll be operating properly.

For the record ...

I've been operating for 44 years so when I say "my 2nd AO-51 QSO", that's quite disparate with the word 'newbie' ... (atrocious! American term).

I stay well from AO-51 by choice ... not by lack of experience.

My first satellite QSO in 1984. My first FM satellite was UO-14, somewhere around 1991 I think.
People didn't trample on top of eachother so much in those days but it *DID* happen . and always will, by
it's very nature ... capture effect etc ...

Another tip for the newcomer ... just because *YOU* can't hear the satellite (assuming you're listening on the correct doppler adjusted frequency) doesn''t necessarily mean other people can't ... so if you can't hear
the other stations (there are *ALWAYS* !!!! other stations) you're either on the wrong frequency - or - your
receiving system isn't good enough ... IN WHICH CASE YOU SHOULDN'T TRANSMIT.

It isn't illegal to operate with 100 watts to a 10 element beam from your shack and say you''re QRP/P ...
but it ought! to be.

73 John. <la2qaa@...>

73 John. <la2qaa@...g>

3771. An opinion.

Yahoo group: eu-amsat
Date: 2010-10-04 17:38:25 UTC
From: John Hackett
Topic: 3771 Message: 3771

I still think HO-68 has a receiver every bit as sensitive as RS-10 had.

I have no problem whatsoever with my QRP ... even in competition with the packet racket ... this time
to a log periodic ELK - (as opposed to the usual Arrow aerial).

There are in fact certain stations on HO-68 who actually listen !!!! ... (yes, I'm amazed too).

My apologies to RW3XL, he thought he was dreaming! earlier today ... LA2QAA on AO-51 ... (his words).

For the newcomer ... La2qaa operates from FREI ISLAND, IOTA-EU-36. JP33WB on late afternoon/early evening GMT passes. I'm QRP so 'ears' *ARE* mandatory. I usually tail-end the good operators.

73 John. <la2qaa@...>

3772. Iceland on AO-51

Yahoo group: eu-amsat
Date: 2010-10-05 11:22:04 UTC
From: Luc Leblanc
Topic: 3772 Message: 3772

Ari TF3ARI from Reykjavik Iceland was active this morning on AO51 i just getting him at a very low elevation for him at 1102Z this morning.
Temp in Reykjavik 8C here 6C
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3773. Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-05 14:40:34 UTC
From: John Hackett
Topic: 3773 Message: 3773

Luc,
Thanks for the TF heads up.

Personally, I finished with 'DX' (worked them all) many years ago but the newer operators may be interested
in a new one on satellite.

If 'wallpaper' was money my name would be Hefner, not Hackett.

I stopped sending in cards for diplomas when I ran out of wall space ... anno 1990.

Highly amusing! on AO-51 today - some would say bordering on the ridiculous ... one /M station managed
to get through the alligator chaos ... and wouldn't you know ... suddenly, everybody! was mobile ... he he he.

It's fun squeezing 1 watt (to an ELK) between these power mongers. Hurgen, DG0ER, thanks for listening.

Also amusing listening to 3 stations all talking at the same time ... remind me again, what does full duplex mean? ... rather like the old 'pile-up' days on 20m in the 80's sunspot maximum.

When I lived on Gossen Island I was chased off the IOTA frequency by a chappie in Milan (!) with ... "Get off
the frequency!, it's for IOTA stations only" ... so not listening isn't something new. BTW, I did used to sign as
LA2QAA/QRP IOTA 36 ... and was 'told off' by the Milan station for not giving the "correct IOTA designation".

Of course ... an LA IOTA station could have been in the South Atlantic or perhaps The West Indies, yes?.

73 John. <la2qaa@...>

3774. Re: [eu-amsat] Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-05 15:20:30 UTC
From: Luc Leblanc
Topic: 3773 Message: 3774

On 5 Oct 2010 at 16:40, John Hackett wrote:

Date sent: Tue, 05 Oct 2010 16:40:34 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Highly amusing.
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> Luc,
> Thanks for the TF heads up.
>
> Personally, I finished with 'DX' (worked them all) many years ago but the newer operators may be interested
> in a new one on satellite.
>
> If 'wallpaper' was money my name would be Hefner, not Hackett.
>

Hi John

I cannot help you with your wall space but i can help with wallpaper i got a collection from Ekstra Bladet side 9 from your neighbouring
Dennmark it will probably make some change on your walls... On the morning pass it was a pleasure to work also in a very orderly manner
N1ABA, W6GMT, KM9U, KG4CBC, KE3LB, i probably missed one or two other too but the traffic on AO-51 was very disciplined contrasting with
what i heard from EU. On a 12 minutes pass we cannot engaged a long chat but it is at least a good way to see if our satellite equipment is
still working.

Just to let you know that FO-29 is actually giving common footprint between Northern Europe and North America (me...) i will try to listen
today on the 2002Z pass and a much better one on 2145Z if you or other EU station want to try an North Atlantic satellite jump that's the
time to go for it.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3775. The WAIIR award.

Yahoo group: eu-amsat
Date: 2010-10-05 17:32:52 UTC
From: John Hackett
Topic: 3775 Message: 3775

To anybody interested ...
I just worked UN9GW in Kazakhstan again on HO-68 ... now I only need 3 more
for my W.A.I.I.R. award ... (Worked All Igor's In Russia Award) ... having already logged
RW3XL, UA9CS
UN9GW, UY5LW, UL3USD and UA9CCL ... (all of whom have Igor as their christian name).

I strongly suspect I'll get the coveted award number one.

This time, I was running QRO (!) with 2w on FM ... (to get past the 100w alligators) ... on
my IC-E92D.

I read on the E92 reflector that you can't work satellites with it because it's not full
duplex ... admittedly,
I only managed 24 countries in 10 days with my Arrow aerial and 2 watts so I can't really
say I agree with
the gentleman who posted that tripe.

My IC-E92D has the most *FANTASTIC* facility for satellite operating. IF YOU DON'Y PRESS
THE PTT, YOU CAN ACTUALLY HEAR !!!! THE TRANSPONDER ... honest !!!, I'm *NOT* kidding.

Wouldn't it be great if they made *ALL* amateur transceivers with a 'RECEIVER' in them.

... but why stop there ... one could add an *ON* switch to one's ears.

73 John. <la2qaa@...>

3776. RE: [eu-amsat] Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-05 17:53:40 UTC
From: John Hackett
Topic: 3773 Message: 3776

Hello Luc,
I believe !!! you.

A few years ago, Emily N1DID, formerly W0EEC of the AO-7 Resource Page fame, and I were hooked
up on Echolink while she was working AO-51 over the bay Area (Los Angeles). The standard of operating
was far! higher than that which can be heard over Europe.

Hal, ZS6WB assures me that's the case over South Africa too. I don't know why the European operators
operate as they do ... impatence?, lack of experience?, non-understanding of FM? ... one would think that
when listening to three or four stations transmitting at the same time.

One of the interesting challenges is trying to work AO-51 using a remote base station. The one in Australia even allows you to control the rotor down there from your computer on the internet. You have to remember
to check the keps for passes over Australia !!!.

I often operated the one in the USA, just to say I''d tried it.

For anyone wanting to try their luck, just Google VK3UR and apply for a password.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Tue, 5 Oct 2010 11:20:30 -0400
Subject: Re: [eu-amsat] Highly amusing.

On 5 Oct 2010 at 16:40, John Hackett wrote:

Date sent: Tue, 05 Oct 2010 16:40:34 +0200

From: John Hackett <archie.hackett@hotmail.com>

Subject: [eu-amsat] Highly amusing.

To: eu-amsat@yahoogroups.com

Send reply to: no_reply@yahoogroups.com

>

> Luc,

> Thanks for the TF heads up.

>

> Personally, I finished with 'DX' (worked them all) many years ago but the newer operators may be interested

> in a new one on satellite.

>

> If 'wallpaper' was money my name would be Hefner, not Hackett.

>

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Dennmark it will probably make some change on your walls... On the morning pass it was a pleasure to work also in a very orderly manner

N1ABA, W6GMT, KM9U, KG4CBC, KE3LB, i probably missed one or two other too but the traffic on AO-51 was very disciplined contrasting with

what i heard from EU. On a 12 minutes pass we cannot engaged a long chat but it is at least a good way to see if our satellite equipment is

still working.

Just to let you know that FO-29 is actually giving common footprint between Northern Europe and North America (me...) i will try to listen

today on the 2002Z pass and a much better one on 2145Z if you or other EU station want to try an North Atlantic satellite jump that's the

time to go for it.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3777. New Button lable!

Yahoo group: eu-amsat
Date: 2010-10-05 18:28:42 UTC
From: st2nh
Topic: 3777 Message: 3777

HI

Is it a pretty idea to call the PTT button RTL .
RTL = release to listen .

:-)

73 De Nader
st2nh

3778. Re: Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-05 22:26:37 UTC
From: m5aka
Topic: 3773 Message: 3778

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> I don't know why the European operators
> operate as they do ... impatence?, lack of experience?,

Europe has a far higher population density. Western/Central US and Southern Africa are very sparely populated and have far fewer users within the satellite footprint.

It's down to the basic fact that single channel systems don't work in areas of high demand.

73 Trevor M5AKA

3779. RE: [eu-amsat] New Button lable!

Yahoo group: eu-amsat
Date: 2010-10-06 07:40:05 UTC
From: John Hackett
Topic: 3777 Message: 3779

Good one !! Nader ... he he he

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Tue, 5 Oct 2010 18:28:42 +0000
Subject: [eu-amsat] New Button lable!

HI

Is it a pretty idea to call the PTT button RTL .

RTL = release to listen .

:-)

73 De Nader

st2nh

3780. Re: [eu-amsat] Re: Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-06 09:26:14 UTC
From: Thomas Frey
Topic: 3773 Message: 3780

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, John Hackett<archie.hackett@...> wrote:
>
>> I don't know why the European operators
>> operate as they do ... impatence?, lack of experience?,
>>
> Europe has a far higher population density. Western/Central US and Southern Africa are very sparely populated and have far fewer users within the satellite footprint.
>
> It's down to the basic fact that single channel systems don't work in areas of high demand.
>
> 73 Trevor M5AKA
>
>
>

The same chaos appears also on short wave during contests from
Europe. But our Japanese friends with a much higher population
density has the best operator practice worldwide. They have learned
the "business".

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3781. RE: [eu-amsat] Re: Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-06 10:06:55 UTC
From: John Hackett
Topic: 3773 Message: 3781

Thomas,
I agree with you, the 'density' of the population has absolutely nothing to do with the 'quality' of
the operating proceedure.

Not to speak of the quality (or lack of) the amateur examinations these days in the UK ... where an 'instructor' is asked to mark a paper as *WRONG* if the student answers 'cycles per second', to the
question of how radio waves are measured ... (just ask GM1SXX).

It's called splitting hairs and serves no useful purpose whatsoever.

Since the accepted 'international' language is English - and radio waves are 'measured' in cycles it would
be logical to assume the correct term would be cycles per second ... as it was on all !!! radio equipment in the English language previously.

NB.

GM1SXX teaches the students the "CORRECT" term but also points out the answer the examining body require for a 'correct' answer.

Beurocratic pillocks!.

73 John.

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Wed, 6 Oct 2010 11:26:14 +0200
Subject: Re: [eu-amsat] Re: Highly amusing.

m5aka schrieb:

> --- In eu-amsat@yahoogroups.com, John Hackett<archie.hackett@...> wrote:

>

>> I don't know why the European operators

>> operate as they do ... impatence?, lack of experience?,

>>

> Europe has a far higher population density. Western/Central US and Southern Africa are very sparely populated and have far fewer users within the satellite footprint.

>

> It's down to the basic fact that single channel systems don't work in areas of high demand.

>

> 73 Trevor M5AKA

>

>

>

The same chaos appears also on short wave during contests from

Europe. But our Japanese friends with a much higher population

density has the best operator practice worldwide. They have learned

the "business".

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3782. Quote of the week award.

Yahoo group: eu-amsat
Date: 2010-10-06 10:15:48 UTC
From: John Hackett
Topic: 3782 Message: 3782

EU AMSAT is proud and privilaged to present Nader ST2NH with the *Quote Of The Week* award and propose that *ALL* satellite operators hereafter refer to the PTT button as the RTL buttom.

Well done !!! Nader.

73 John. <la2qaa@...>

3783. Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-06 15:39:09 UTC
From: John Hackett
Topic: 3783 Message: 3783

Quite the little zoo on the two AO-51 late afternoon passes over Europe again today.

Everything from the pregnant moo cows to the whistler.

I discovered a new way to make working AO-51 more difficult, today.

One particular station with a G as the last letter of his callsign suffix tried Golf, Georgia, and Guatemala on
succssive CQ's ... and actually managed to confuse himself (!) ... so I assume any potential newcomers
may have also been confused ... not that they'd get past the /M station with an aerial similar to the one in the attached pic ...

Yesss it *DOES*happen ... making it harder for the genuine mobile stations ... ditto some of the so-called
QRP (?) stations ... I'm *ONLY* running 100 watts.

Mine's bigger than yours !!! ...

More power Egon! ... more power !!!! ...

Awwwwwwwwwwwwwwwwwlllllllleerrrr

Neither riducule, education nor appealing to common sense is going to get these clowns to dissist so do like
the Signals manual says ... work through it ... (in this context, the operative word being ... 'ignore').

73 John. <la2qaa@...>

3784. If the cap fits ...

Yahoo group: eu-amsat
Date: 2010-10-06 18:34:50 UTC
From: John Hackett
Topic: 3784 Message: 3784

To whom it may concern,
Another 'tip' when working the FM satellites.

It does *NOT* help by giving your callsign 4 times. We all know you're trying to slot in between overs ...
but all tou're doing is creating even more QRM.

Only the alligators can get away with this proceedure.

A short, sharp, crisp clear transmission with your callsign once! is sufficient. That's what people are listening for, more than that and you're QRM'ing somebody else. *TIMING* is the key.

At least 75% of the last pass was QRM.

73 John. <la2qaa@...>

3785. Re: If the cap fits ...

Yahoo group: eu-amsat
Date: 2010-10-06 19:16:13 UTC
From: st2nh
Topic: 3784 Message: 3785

Hi John & all

Nice clip enjoy it.

http://www.youtube.com/watch?v=NhxpVAWOLBw

73 ,Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> To whom it may concern,
> Another 'tip' when working the FM satellites.
>
> It does *NOT* help by giving your callsign 4 times. We all know you're trying to slot in between overs ...
> but all tou're doing is creating even more QRM.
>
> Only the alligators can get away with this proceedure.
>
> A short, sharp, crisp clear transmission with your callsign once! is sufficient. That's what people are listening for, more than that and you're QRM'ing somebody else. *TIMING* is the key.
>
> At least 75% of the last pass was QRM.
>
> 73 John. <la2qaa@...>
>

3786. Re: [eu-amsat] Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-06 20:32:36 UTC
From: Thomas Frey
Topic: 3783 Message: 3786

John Hackett schrieb:
>
>
> More power Egon! ... more power !!!! ...
>

Yessssssssss !!! Life is too short for QRP ;-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3787. Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-06 20:59:14 UTC
From: st2nh
Topic: 3783 Message: 3787

Hi Thomas and group.

What about satellite Life with QRO?

Im not kidding, Really I need any Info about this topic.
What the really effect of High Power on satellites. Liner or FM sat.
Thanks in advance.

73,Nader

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> John Hackett schrieb:
> >
> >
> > More power Egon! ... more power !!!! ...
> >
>
> Yessssssssssss !!! Life is too short for QRP ;-)
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3788. Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-06 21:28:52 UTC
From: Al
Topic: 3783 Message: 3788

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Hi Thomas and group.
>
> What about satellite Life with QRO?
>
> Im not kidding, Really I need any Info about this topic.
> What the really effect of High Power on satellites. Liner or FM sat.
> Thanks in advance.
>
> 73,Nader
>

I wondered at first if this post was a joke... but then again, perhaps not.

I'm only posting this reply because the use of bad operating manners and excessive uplink power is so prevalent in Europe with FM birds.

The answers.
Well, for FM birds, probably nothing. FM is FM. On or off. Two states.

For linear birds, excessive power depletes the battery which is very bad. A 'no-brainer' as our friends from thye US would say.

What 'works' for the FM birds...gross bad behaviour, excessive power etc, kills linear birds. That fact is worth remembering.
Then consider whether even launching FM birds is a worthwhile exercise.

Read about the purpose of the beacon. If you don't know why, read the books. Not many people appear to bother reading these days. If you don't have any books, go buy some. You don't *have* to buy the books from AMSAT but if you do, I'd suggest 'The Satellite Experimenters handbook' (ancient but good). For more serious study, try SMAD. Satellite Mission Analysis and Design, although this is not aimed at amateur satellites, and is not only about power budgets and batteries, but about the design of satellite missions generally.

I hope that helps.

73 Al.
GM1SXX

3789. Re: [eu-amsat] Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-06 23:22:18 UTC
From: Thomas Frey
Topic: 3783 Message: 3789

st2nh schrieb:
> Hi Thomas and group.
>
> What about satellite Life with QRO?
>
> Im not kidding, Really I need any Info about this topic.
> What the really effect of High Power on satellites. Liner or FM sat.
> Thanks in advance.
>
> 73,Nader
>

Hello Nader

It was Martti Laine, OH2BH, who "created" this phrase. Look for
him here: http://everything2.com/title/DXers%253A+masters+of+lightning

I thought every OM worldwide knows this phrase, it was meant
sarcastic of course. :-)

I think John understood my sarcasm, he has also his special humour. :-)

Apropos humour in mails: http://en.wikipedia.org/wiki/Smiley

> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> John Hackett schrieb:
>>
>>>
>>> More power Egon! ... more power !!!! ...
>>>
>>>
>> Yessssssssss !!! Life is too short for QRP ;-)
>>
>>

--

Good Night and 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3790. RE: [eu-amsat] Re: If the cap fits ...

Yahoo group: eu-amsat
Date: 2010-10-07 07:03:31 UTC
From: John Hackett
Topic: 3784 Message: 3790

RGR Nader, Mike 3WDN posted this video some time ago as an aide to helping people understand how it
can be done.

73 John.

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Wed, 6 Oct 2010 19:16:13 +0000
Subject: [eu-amsat] Re: If the cap fits ...

Hi John & all

Nice clip enjoy it.

http://www.youtube.com/watch?v=NhxpVAWOLBw

73 ,Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> To whom it may concern,

> Another 'tip' when working the FM satellites.

>

> It does *NOT* help by giving your callsign 4 times. We all know you're trying to slot in between overs ...

> but all tou're doing is creating even more QRM.

>

> Only the alligators can get away with this proceedure.

>

> A short, sharp, crisp clear transmission with your callsign once! is sufficient. That's what people are listening for, more than that and you're QRM'ing somebody else. *TIMING* is the key.

>

> At least 75% of the last pass was QRM.

>

> 73 John. <la2qaa@...>

>

3791. Explanation time ...

Yahoo group: eu-amsat
Date: 2010-10-07 07:35:25 UTC
From: John Hackett
Topic: 3791 Message: 3791

Folks,
Thomas is right, and yes, of course I understood his tongur-in-cheek humourous comment as satirical - (sarcastic but without offence). Thomas obviously understands my humour.

The explain the phrase "More Power Egon" ... it's from the 1950's movie called FRANKENSTEIN where the mad doctor is attempting to get life into Frankenstein by using 'lightning' to increase the power.

When used in the context that I mentioned, it's to ridicule the excessive use of power.

Are more serious explanatiuon is thus ...

On a linear transponder, the power is distributed among the the users ... more users = less power to each.
One station using too much power on the uplink is drawing more than his fair share of current in the transponder. This can clearly be seen on AO-7 when the satellite, without battery back-up often has little chance to recover after certain orbits (read: not enough sunlight to sustain heavy use).

I'm not an expert on FM transponders, there are better qualified people than I in this group, but I assume
too much power is also detremental on these satellites too, possibly shortening their life ?? ... but of course,
the purportrators will just say ... "it wasn't me" ... "It was the other fellow" ... just like the 100w, 10 element
MOBILE stations ... "Oh well, it must have been the propagation" ... (good excuse).

THUD !!!!

(Falls off soapbox).

73 John. <la2qaa@...>

3792. Re: [eu-amsat] Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-07 08:38:39 UTC
From: Nick
Topic: 3783 Message: 3792

>Hello Nader

>

>It was Martti Laine, OH2BH, who "created" this phrase. Look for

>him here: http://everything2.com/title/DXers%253A+masters+of+lightning

Hello to the group,

The best line I read in the above text is " Our computers allow us to communicate daily to others all over the globe with reliability unmatched in amateur radio." This is what all my non-ham friends tell me!! :-)

Now, on to my point.

I do not operate satellites (I do not have the equipment yet) , but I am watching the group and learn a lot regarding operating procedures - as well as the bad habbits some operators have (and I feel shamed that some of those are Greek).

Unfortunately, as you know, even if you publicly refer to their names and callsign for improper behaviour, this will not change anything as they simply do not care to follow rules and procedures as much as they do not care about the others and "sharing" is not known to them, even when this is not about something they own, such as the satellite frequencies. I am sure these guys demonstrate the same antisocial behaviour everywhere, at any band.

Do you think that a guy using 5000W ERP will care if the satellite will die because of his habbit? I dont think so, as he just does not care and maybe he is quite stupid to understand it, or his IQ does not allow him to understand anything more than "I connect a transceiver to an antenna and I can talk.Just to be sure anyone can hear me, let's use a 500W amp".

I personally give a lot of responsibility for this situation to the local ham radio clubs and associations who should spend more time training people on any aspect of ham radio than anything else. They could do some serious seminars on operating techniques to let the ignorant operators know that not all methods of communication were made equal and that each one has its own peculiarities.

Would it be outside the spirit of ham radio to report the abusing at some regulator authorities, from where it would reach the operator himself with some serious notice that "if this improper behaviour continues your license may be revoked" ?

73, Nick , SV1DJG

3793. Life is too short for QRP...

Yahoo group: eu-amsat
Date: 2010-10-07 09:46:38 UTC
From: LA2MOA
Topic: 3793 Message: 3793

...is probably the most ignorant statement I've ever heard. Sarcastic or not, the statement is darned close to classic stupidity. In the middle of the 90:s I heard a 9K2-station who was running FOUR (yes, 4) KILOWATTS. OUTPUT!! on 20 meters.. I remember him saying "I don't care about antennas or propagation". No. Right. So get yourself a darned good telephone subscription, then. Or?

If this hobbys main topic had been "100% stabile communication with anyone at any time", it had most likely been forbidden by ALL governments in the world.

No. I like to turn Mr Laines cracknut statement upside-down by saying "The World is Too Small For QRO!"

Just my five cents,

Hans / LA2MOA

3794. In reply to SV1DJG

Yahoo group: eu-amsat
Date: 2010-10-07 11:17:48 UTC
From: John Hackett
Topic: 3783 Message: 3794

Nick,
... and anyone else interested.

It's quite obvious that my attempt to shake up awareness of the 'power' problem have obviously worked
and a 'debate' has been created - (which was my intention).

While I agree that appealinmg to common sense for the alligor operators is a waste of time ... who cares!
if I help to ruin the satellite, I'll just move on to the next victim ... it will make the good operators more awar4e of *NOT* falling into the habits of the alligotor types.

I don't know whether you're aware of it Nick but one of your countrymen and a personal friend of mine,
was the other original founder of this group together with myself and GM1SXX ... That was of course
Makis SV1BSX (SK) ... to whom this group is dedicated.

... and for the record ... I have *NOT* heard a poor operator from Hellas (Greece) and most certainly
NOT those elmered by Mak.

For the newcomer ... a reduction in power by 3dB (half) is almost not even noticable! on a meter.

The important criteria is *NOT* PA ... (as in power amplifier) ... it's PE !!! ...(as in PROPAGATION and
EARS).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: magicnickus@...
Date: Thu, 7 Oct 2010 01:38:39 -0700
Subject: Re: [eu-amsat] Re: Moo ?? ... no, zoo!.

>Hello Nader

>

>It was Martti Laine, OH2BH, who "created" this phrase. Look for

>him here: http://everything2.com/title/DXers%253A+masters+of+lightning

Hello to the group,

The best line I read in the above text is " Our computers allow us to communicate daily to others all over the globe with reliability unmatched in amateur radio." This is what all my

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Now, on to my point.

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Would it be outside the spirit of ham radio to report the abusing at some regulator authorities, from where it would reach the operator himself with some serious notice that "if this improper behaviour continues your license may be revoked" ?

73, Nick , SV1DJG

3795. Excellent!.

Yahoo group: eu-amsat
Date: 2010-10-07 12:55:06 UTC
From: John Hackett
Topic: 3795 Message: 3795

Privet Igor,
That was the best signal I've ever heard on AO-51.

As you well know I don't operate that satellite very much but I have monitored it since it's launch.

I wish everybody operated like you.

Why don't you invite some more of your Russian friends to join us in EU AMSAT, they'd be *VERY* welcome.

Poka! Igor.

73 John. <la2qaa@...>

3796. Re: [eu-amsat] In reply to SV1DJG

Yahoo group: eu-amsat
Date: 2010-10-07 14:47:51 UTC
From: Luc Leblanc
Topic: 3783 Message: 3796

On 7 Oct 2010 at 13:17, John Hackett wrote:

Date sent: Thu, 07 Oct 2010 13:17:48 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] In reply to SV1DJG
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

>
> Nick,
> ... and anyone else interested.
>
> It's quite obvious that my attempt to shake up awareness of the 'power' problem have obviously worked
> and a 'debate' has been created - (which was my intention).
>
> While I agree that appealinmg to common sense for the alligor operators is a waste of time ... who cares!
> if I help to ruin the satellite, I'll just move on to the next victim ... it will make the good operators more awar4e of *NOT* falling into the habits of the alligotor types.
>

It could also be a catch 22 as i often worked stations with very limited receiving setup and in a way to get through the end of an exchange
i often have to increased my FT-847 0 fully conterclockwise power level to a good 25 watts and sometimes more than that as the other end of
the line nothing seems to worked without a lot of power. On an FM satellite it's not too hurting but on linear bird it is as it produce a
cascading effect but how politely telling someone his setup is less than marginal on the receiving side at least?

It's like telling a women she's intelligent but ugly at the same time...or vice versa

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3797. Re: [eu-amsat] In reply to SV1DJG

Yahoo group: eu-amsat
Date: 2010-10-07 14:54:55 UTC
From: Luc Leblanc
Topic: 3783 Message: 3797

>
> For the newcomer ... a reduction in power by 3dB (half) is almost not even noticable! on a meter.
>
Even for of a vast majority of us a 3db will not make a huge difference only at LOS and AOS where the DX are all the time. Is this worth to
invest in a circular polarization switching antenna i think not.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3798. Circular v linear polarisation ... again.

Yahoo group: eu-amsat
Date: 2010-10-07 17:35:11 UTC
From: John Hackett
Topic: 3783 Message: 3798

Hello Luc,
Agreed! ... and I can confidently speak for GM1SXX too ... we've discussed exactly that point many! times. I did use circular polarisation at the beginning of my 'satellite' career but with experience, found it to be *NOT* necessary.

In my opinion, the occasional loss of 3dB due to a polarisation mismatch is *NOT* the catastrophe certain people claim. I agree with you, it's hardly worth the effort though I do understand those stations that strive for utopia (he means 'perfection', folks).

At my last QTH I used a circularly polarised array - but hardly ever bothered to switch it to circular, these days, at my present QTH I can only manage a rusty 6 inch nail (vertically polarised Elk) on a TV rotor but I still managed 24 countries in 10 days using low power on HO-68. That tells me that circular polarisation is most definately*NOT* a necesssity - sometimes an advantage ... but like you say, "is it worth it?".

As most operators know, much depends on the propagation, the orbit, HEO v LEO etc ... one point the newcomer to satellite operating often overlooks is the fact that the signal is passing through the ionosphere twice! - and the propagation conditions can be quite different between stations that are only 1000 - 2000 kilometers apart.

The 'linear' system has the advantage of providing a 'reasonable' signal whatever !!!! the polarisation of the incoming signal. Another thing the newcomer often doesn't realise is that even if a satellite *IS** propagating a circularly polarised signal, unless it's propagated by a quadrifilar helix aerial the signal that is
NOT along the boresight will *NOT* be circularly polarised, but elliptical at a certain degree.

(NB. 'electrical' degree). Signal strength play a role here ... but that's *NOT* an excuse for smacking the satellite with ridiculous amounts of power.

The potential newcomer should concentrate on SKILL as opposed to sheer power.

I'm fully awatr tyhat *YOU* are perfectly aware of all this Luc, most Amsat Area Coordinators are ... my remarks are aimed at those who are just getting their feet wet.

73 John. <la2qaa@...>

To: eu-amsat@...m
From: lucleblanc6@...
Date: Thu, 7 Oct 2010 10:54:55 -0400
Subject: Re: [eu-amsat] In reply to SV1DJG

>

> For the newcomer ... a reduction in power by 3dB (half) is almost not even noticable! on a meter.

>

Even for of a vast majority of us a 3db will not make a huge difference only at LOS and AOS where the DX are all the time. Is this worth to

invest in a circular polarization switching antenna i think not.

"-"

Luc Leblanc VE2DWE

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WAC BASIC CW PHONE SATELLITE

3799. Re: Circular v linear polarisation ... again.

Yahoo group: eu-amsat
Date: 2010-10-07 18:17:33 UTC
From: st2nh
Topic: 3783 Message: 3799

Hello

I agree with you Gentmen 3dB not a big deal on FM birds. (I think so!!)
But on digital mode and during the handshake between the satellite BBS
and my PC I'm using a changeable polarization homebrew antenna. This helps sooo much. and prevent the losing of the contact on many passes of the HO-68 recently and on GO-32 and AO-51 BBS before.
I was just watching the S meter and flipping between deferent polarization position to keep on steady downlink signal.

Good luck Gentlemen

73 de st2nh
Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Luc,
> Agreed! ... and I can confidently speak for GM1SXX too ... we've discussed exactly that point many! times. I did use circular polarisation at the beginning of my 'satellite' career but with experience, found it to be *NOT* necessary.
>
> In my opinion, the occasional loss of 3dB due to a polarisation mismatch is *NOT* the catastrophe certain people claim. I agree with you, it's hardly worth the effort though I do understand those stations that strive for utopia (he means 'perfection', folks).
>
> At my last QTH I used a circularly polarised array - but hardly ever bothered to switch it to circular, these days, at my present QTH I can only manage a rusty 6 inch nail (vertically polarised Elk) on a TV rotor but I still managed 24 countries in 10 days using low power on HO-68. That tells me that circular polarisation is most definately*NOT* a necesssity - sometimes an advantage ... but like you say, "is it worth it?".
>
> As most operators know, much depends on the propagation, the orbit, HEO v LEO etc ... one point the newcomer to satellite operating often overlooks is the fact that the signal is passing through the ionosphere twice! - and the propagation conditions can be quite different between stations that are only 1000 - 2000 kilometers apart.
>
> The 'linear' system has the advantage of providing a 'reasonable' signal whatever !!!! the polarisation of the incoming signal. Another thing the newcomer often doesn't realise is that even if a satellite *IS** propagating a circularly polarised signal, unless it's propagated by a quadrifilar helix aerial the signal that is
> *NOT* along the boresight will *NOT* be circularly polarised, but elliptical at a certain degree.
>
> (NB. 'electrical' degree). Signal strength play a role here ... but that's *NOT* an

excuse for smacking the satellite with ridiculous amounts of power.
>
> The potential newcomer should concentrate on SKILL as opposed to sheer power.
>
> I'm fully awatr tyhat *YOU* are perfectly aware of all this Luc, most Amsat Area Coordinators are ... my remarks are aimed at those who are just getting their feet wet.
>
> 73 John. <la2qaa@...>
>
>
> To: eu-amsat@yahoogroups.com
> From: lucleblanc6@...
> Date: Thu, 7 Oct 2010 10:54:55 -0400
> Subject: Re: [eu-amsat] In reply to SV1DJG
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> Even for of a vast majority of us a 3db will not make a huge difference only at LOS and AOS where the DX are all the time. Is this worth to
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3800. AW: [amsat-bb] HO-68 FM live audiostream also on today (Oct 7th)

Yahoo group: eu-amsat
Date: 2010-10-07 20:04:27 UTC
From: Mike Rupprecht
Topic: 3800 Message: 3800

Hi Henk,

it was a pleasure to listen the HO-68 pass at ~1950 UTC on your ham-webradio link. You know, I'm just sitting here in my lonely hotel room in Bonn without any radio.
Thanks for your great efforts and trying a short QSO practice. But you learned this evening (again) - Europe needs the full locator ;-) for a QSO grrrr... Keep on this good practice and thanks a lot for your great job.

Talk to you soon.
73, Mike

-----Ursprüngliche Nachricht-----
Von: amsat-bb-bounces@... [mailto:amsat-bb-bounces@amsat.org] Im Auftrag von PA3GUO
Gesendet: Thursday, October 07, 2010 9:29 AM
An: amsat-bb@...
Betreff: [amsat-bb] HO-68 FM live audiostream also on today (Oct 7th)

Also today (Oct 7) the HO-68 FM live audio stream will be running all day:
http://www.pa3guo.com/webradio.html

You will hear noise when the satellite is not overhead my station (JO21RJ, Netherlands, Europe).

Last night there was quite some (very disciplined) activity with many countries present.

Henk, PA3GUO
The Netherlands

_____
Sent via AMSAT-BB@.... Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

3801. RE: [eu-amsat] Re: Circular v linear polarisation ... again.

Yahoo group: eu-amsat
Date: 2010-10-07 20:06:05 UTC
From: John Hackett
Topic: 3783 Message: 3801

Point taken Nader,
In digital communications, particularly Packet, or anything without forward error correction, an acknowledement is all important and the human ear + brain can't insert a missing element
like it can in a plain text message.

Therefore, a digital signal must be received without error, to be decoded correctly ... and a 3dB degraded signal sometimes can't manage that.

I explain this merely as a point of reference for any newcomer following this exchange of information.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...m
Date: Thu, 7 Oct 2010 18:17:33 +0000
Subject: [eu-amsat] Re: Circular v linear polarisation ... again.

Hello

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I was just watching the S meter and flipping between deferent polarization position to keep on steady downlink signal.

Good luck Gentlemen

73 de st2nh

Nader

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> 73 John. <la2qaa@...>

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> To: eu-amsat@yahoogroups.com

> From: lucleblanc6@...

> Date: Thu, 7 Oct 2010 10:54:55 -0400

> Subject: Re: [eu-amsat] In reply to SV1DJG

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> Luc Leblanc VE2DWE

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> Skype VE2DWE

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> www.qsl.net/ve2dwe

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> DSTAR urcall VE2DWE

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> WAC BASIC CW PHONE SATELLITE

>

3802. Re: Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-07 22:12:38 UTC
From: m5aka
Topic: 3773 Message: 3802

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> The same chaos appears also on short wave during contests from
> Europe. But our Japanese friends with a much higher population
> density has the best operator practice worldwide. They have learned
> the "business".

But they have no other country with a large Amateur population for thousands of kilometers around them. Also we don't hear what Japan sounds like on short-wave when you're close up, just a single hop away so I'd be wary of judging all Japanese ops by the few with QRO stations and big antennas that we hear in Europe.

The reason the same chaos can occur on shortwave is down the capacity limits - a band can only take so many operators - in contests that capacity is exceeded.

Single channel FM satellite systems can work fine as long as there's only 5 or 6 operators in the sat footprint wanting to use it, go above that and it breaks down. Which is why we need higher capacity satellites using linear transponders.

FM sats can be great for demonstrations but are of no use for serious communications.

73 Trevor M5AKA

3803. Re: Highly amusing.

Yahoo group: eu-amsat
Date: 2010-10-07 23:45:53 UTC
From: st2nh
Topic: 3773 Message: 3803

Hi Trevor

Looks so logic .

Let's do some math!

Pass duration 15 min (a good pass)
QSO time 2 min (on an average +/-)
So the total number of QSOs 15/2 = 7 QSO/pass

Now if any of the station would like to work the other 6 stations
we need 6+5+4+3+2+1= 21 QSO/pass ????

73 de st2nh . Nader

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@> wrote:
> > The same chaos appears also on short wave during contests from
> > Europe. But our Japanese friends with a much higher population
> > density has the best operator practice worldwide. They have learned
> > the "business".
>
> But they have no other country with a large Amateur population for thousands of kilometers around them. Also we don't hear what Japan sounds like on short-wave when you're close up, just a single hop away so I'd be wary of judging all Japanese ops by the few with QRO stations and big antennas that we hear in Europe.
>
> The reason the same chaos can occur on shortwave is down the capacity limits - a band can only take so many operators - in contests that capacity is exceeded.
>
> Single channel FM satellite systems can work fine as long as there's only 5 or 6 operators in the sat footprint wanting to use it, go above that and it breaks down. Which is why we need higher capacity satellites using linear transponders.
>
> FM sats can be great for demonstrations but are of no use for serious communications.
>
> 73 Trevor M5AKA
>

3804. Re: [eu-amsat] In reply to SV1DJG

Yahoo group: eu-amsat
Date: 2010-10-08 07:18:17 UTC
From: Nick
Topic: 3783 Message: 3804

>--- On Thu, 10/7/10, John Hackett <archie.hackett@...> wrote:
>

>
>I don't know whether you're aware of it Nick but one of your countrymen and a personal friend >of mine, was the other original founder of this group together with myself and GM1SXX ... >That was of course
>Makis SV1BSX (SK) ... to whom this group is dedicated.
Hi John,
I do know that Makis was one of the founder of this group, but unfortunately I did not have the opportunity to know him but I have heard and read so much about him that I wish I had.
You know, this discussion has triggered my curiosity so much that I am seriously thinking of getting some equipment and watch a few passes of the satellites to hear myself how it does sound! Who knows, maybe in spite of the chaos, it is challenging enough to consider operating the satellites!
Hope to hear you first, and work you then through the satellites!
73, Nick,SV1DJG

3805. RE: [eu-amsat] In reply to SV1DJG

Yahoo group: eu-amsat
Date: 2010-10-08 09:22:46 UTC
From: John Hackett
Topic: 3783 Message: 3805

FB Nick,
I hope you do get some equipment, Remember !, it does *NOT* have to be very sophisticated or expensive to get started. Anyold dual bander or 2 x separate rigs will do for the FM satellites. It's
NOT necessary with full diup0les - though it *IS* an advantage.

On the linear satellites I use a 28 year old FT-290, which works very well ... so you *DON'T* need the latest all-singing, all-dancing dedicated 'satellite' gear. Just use whatever you can lay your hands on, to begin with.

73 John.

To: eu-amsat@yahoogroups.com
From: magicnickus@...
Date: Fri, 8 Oct 2010 00:18:17 -0700
Subject: Re: [eu-amsat] In reply to SV1DJG

>--- On Thu, 10/7/10, John Hackett <archie.hackett@...> wrote:
>

>
>I don't know whether you're aware of it Nick but one of your countrymen and a personal friend >of mine, was the other original founder of this group together with myself and GM1SXX ... >That was of course
>Makis SV1BSX (SK) ... to whom this group is dedicated.

Hi John,

I do know that Makis was one of the founder of this group, but unfortunately I did not have the opportunity to know him but I have heard and read so much about him that I wish I had.

You know, this discussion has triggered my curiosity so much that I am seriously thinking of getting some equipment and watch a few passes of the satellites to hear myself how it does sound! Who knows, maybe in spite of the chaos, it is challenging enough to consider operating the satellites!

Hope to hear you first, and work you then through the satellites!

73,
Nick,SV1DJG

3806. HO-68 schedule 10-17 October

Yahoo group: eu-amsat
Date: 2010-10-08 10:28:00 UTC
From: John Hackett
Topic: 3806 Message: 3806

ALL TIMES UTC.

10 Oct 2010
==========
17:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:45...Turn Off

18:50...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:35...Turn Off

20:15...Turn On--CW/SSB
Africa,Europe,Middle East,NA
21:00...Turn Off

22:55...Turn On--CW/SSB
South America,NA,North Asia
23:40...Turn Off

11 Oct 2010
==========
02:35...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:50...Turn Off

13:30...Turn On--CW/SSB
NA,South America
14:15...Turn Off

16:40...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:25...Turn Off

18:35...Turn On--CW/SSB
NA,East Asia,Oceania
19:20...Turn Off

22:35...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:20...Turn Off

12 Oct 2010
==========

02:20...Turn On--CW/SSB
North Asia, East Asia,South Asia
02:35...Turn Off

10:35...Turn On--CW/SSB
Oceania,Asia,Europe
11:20...Turn Off

13:15...Turn On--CW/SSB
NA, South America
14:00...Turn Off

16:25...Turn On--CW/SSB
India,Middle East,Europe,NA
17:10...Turn Off

18:15...Turn On--CW/SSB
India,Middle East,Europe,NA
19:00...Turn Off

19:40...Turn On--CW/SSB
Africa,Europe,NA
20:25...Turn Off

13 Octp 2010
==========
00:10...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
00:55...Turn Off

02:00...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:15...Turn Off

13:00...Turn On--CW/SSB
Europe,NA,South America
13:45...Turn Off

16:10...Turn On--CW/SSB
India, Africa,Europe,NA
South America
16:55...Turn Off

18:00...Turn On--CW/SSB
Africa,Middle East,Europe,NA
18:45...Turn Off

19:25...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:10...Turn Off

14 Oct 2010
==========
23:50...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
00:35...Turn Off

01:45...Turn On--CW/SSB
Asia,Oceania
02:00...Turn Off

12:40...Turn On--CW/SSB
Europe,NA,South America
13:25...Turn Off

16:00...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
16:45...Turn Off

17:45...Turn On--CW/SSB
Africa,Europe,NA
18:30...Turn Off

19:10...Turn On--CW/SSB
Africa,Europe,NA
19:55...Turn Off

15 Oct 2010
==========
23:35...Turn On--CW/SSB
Oceania,Asia,Europe,NA
00:20...Turn Off

01:25...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:40...Turn Off

12:25...Turn On--CW/SSB
Europe, NA,South America
13:10...Turn Off

17:20...Turn On--FM
India,Africa,Europe,NA
18:05...Turn Off

19:15...Turn On--FM
India,Africa,Europe,NA
20:00...Turn Off

20:40...Turn On--FM
Africa,Europe,NA
21:25...Turn Off

23:15...Turn On--FM
South America,NA,North Asia
00:00...Turn Off

16 Oct 2010
==========
01:10...Turn On--FM
North Asia,East Asia,South Asia
01:25...Turn Off

02:55...Turn On--FM
North Asia,East Asia,South Asia
03:10...Turn Off

13:55...Turn On--FM
Europe, NA,South America
14:40...Turn Off

17:05...Turn On--FM
Africa,Europe,NA
17:50...Turn Off

18:55...Turn On--FM
India,Africa,Europe,NA
19:40...Turn Off

20:25...Turn On--FM
Africa,Europe,NA
21:10...Turn Off

23:00...Turn On--FM
North Asia,East Asia,
South Asia,Oceania
23:45...Turn Off

17 Oct 2010
==========
02:40...Turn On--FM
North Asia,East Asia,South Asia
Oceania
02:55...Turn Off

13:40...Turn On--FM
Europe,NA,South America
14:25...Turn Off

16:50...Turn On--FM
Africa,Europe,NA
17:35...Turn Off

18:40...Turn On--FM
India,Africa,Europe,NA
19:25...Turn Off

20:05...Turn On--FM
Africa,Europe,NA
20:45...Turn Off

22:45...Turn On--FM
North Asia,East Asia,
South Asia,Oceania

3807. Actual transmission.

Yahoo group: eu-amsat
Date: 2010-10-08 18:19:20 UTC
From: John Hackett
Topic: 3807 Message: 3807

The following is from an actual HO-68 pass this evening.

QRZ? QRZ AWWWWWWLA CQ CQ QRZ AWWLA (blow) (blow) this is Italy Zulu Seven Juliet X-ray Juliet

in south Italy QRZ? (pause for breath) - several stations answered ... QRZ? QRZ? CQ CQ satellite this is IK7JXJ

QRZ? AWWWLA CQ satellite This went on for the entire! pass with one
station UR4LRH with what I'd guess to be several hundred watts after he
didn't get a reply with a 'normal' signal the first 3 times.

(IZ7JXJ returned) Perfect! my friend, please repeat your call (the UR4 station repeated his call several times)

eventually, the Italian station got it correct - thereafter QRZ? QRZ? CQ CQ satellite ...

... for the rest of the entire! pass.

... and that my friends, is how *NOT* to do it.

The above transmission is verbatum (as it happened) from 17:42 GMT for the entire pass.

I really can't say whether the Italian station realised he blocked the transponder for the entire pass.

So much for a *SHARED* resource. I have a minimalistic aerial (Elk) but I heard several stations replying to

IZ7JXJ every time he said QRZ?.

If he was a newcomer and didn't understand that satellite operating is a bit different from the 20m

free-for-all, there may have been an excuse ... if he was an experienced operator who just decided

he was going to HOG the satellite for the entire pass, there *IS* no excuse for poor operating proceedure.

I hope somebody gives him a heads up.

There were at least !!! 20 stations who tried (unsuccessfully) to use the transponder on this pass.

73 John. <la2qaa@...>

3808. Dead Nags.

Yahoo group: eu-amsat
Date: 2010-10-08 19:53:25 UTC
From: John Hackett
Topic: 3808 Message: 3808

Very little point in trying to flog a dead horse but the 19:29 UTC HO-68 pass was ljust ike the previous
one ... absolutely chaotic.

One contest type exchange in a 15 minute pass ...

QRM reigned supreme with a couple of stations calling CQ satellite while the two stations in QSO were
actually still talking.

I don't know whether to laugh or cry - amusing and tragic at the same time ... my daughter exclaimed -
"Those !!!! are radio amateurs ???" ... (and the powers that be wonder we can't attract youth to the hobby).

Any reasonable person listening to that pass would have said ... "I'm not joining that !!! lot".

It sounded like a fox in the henhouse.

Surely !!!! it's time the National Society's took the bull by the horns?.

I'm *NOT* !!! so sure the problem is the newcomers either.

Shared resource ??? ... yea! ... right!.

73 John. <la2qaa@...>

3809. A medical advice

Yahoo group: eu-amsat
Date: 2010-10-08 20:27:49 UTC
From: st2nh
Topic: 3808 Message: 3809

Dear John

A medical advice (Yes I'm a MD).

You wll get a High blood pressure or Myocardial infarction if you keep listening to FM satellite.
Return back to Linear sat asap and relax .

:-)

Dr.Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Very little point in trying to flog a dead horse but the 19:29 UTC HO-68 pass was ljust ike the previous
> one ... absolutely chaotic.
>
> One contest type exchange in a 15 minute pass ...
>
> QRM reigned supreme with a couple of stations calling CQ satellite while the two stations in QSO were
> actually still talking.
>
> I don't know whether to laugh or cry - amusing and tragic at the same time ... my daughter exclaimed -
> "Those !!!! are radio amateurs ???" ... (and the powers that be wonder we can't attract youth to the hobby).
>
> Any reasonable person listening to that pass would have said ... "I'm not joining that !!! lot".
>
> It sounded like a fox in the henhouse.
>
> Surely !!!! it's time the National Society's took the bull by the horns?.
>
> I'm *NOT* !!! so sure the problem is the newcomers either.
>
> Shared resource ??? ... yea! ... right!.
>
> 73 John. <la2qaa@...>
>

3810. RE: medical advice.

Yahoo group: eu-amsat
Date: 2010-10-09 10:51:39 UTC
From: John Hackett
Topic: 3808 Message: 3810

Hello Nader,
Yes, You're absolutely right.

I seriously believe trained monkeys !!! would do a better job on FM satellites - at least we could teach them
to listen and *NOT* call CQ over the top of other stations already in QSO.

I always believed that to be a radio amateur one understood simple concepts like full duplex and FM capture effect ... now I'm not so sure these principles *HAVE* been grasped by quite a few operators of the FM satellites.

For the record ... I've had 4 x heart attacks and live in a 'special' old people's facility now so I *DON'T* let this anjti-social behaviour get too me, on the contrary, I find it amusing that so called ''intelligent' people
(radio amateurs) behave thus.

Like I said, I'm quite sure a flock of trained monkeys could do a better job ... and I'm *NOT* joking.

Luckily, not all operators are in the same category.

Have a good weekend Nader.

73 John. <la2qaa@...>

NB.

I keep telling my physician, I need a brain !!! transplant - not a heart transplant.

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Fri, 8 Oct 2010 20:27:49 +0000
Subject: [eu-amsat] A medical advice

Dear John

A medical advice (Yes I'm a MD).

You wll get a High blood pressure or Myocardial infarction if you keep listening to FM satellite.

Return back to Linear sat asap and relax .

:-)

Dr.Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Very little point in trying to flog a dead horse but the 19:29 UTC HO-68 pass was ljust ike the previous

> one ... absolutely chaotic.

>

> One contest type exchange in a 15 minute pass ...

>

> QRM reigned supreme with a couple of stations calling CQ satellite while the two stations in QSO were

> actually still talking.

>

> I don't know whether to laugh or cry - amusing and tragic at the same time ... my daughter exclaimed -

> "Those !!!! are radio amateurs ???" ... (and the powers that be wonder we can't attract youth to the hobby).

>

> Any reasonable person listening to that pass would have said ... "I'm not joining that !!! lot".

>

> It sounded like a fox in the henhouse.

>

> Surely !!!! it's time the National Society's took the bull by the horns?.

>

> I'm *NOT* !!! so sure the problem is the newcomers either.

>

> Shared resource ??? ... yea! ... right!.

>

> 73 John. <la2qaa@...>

>

3811. Re: medical advice.

Yahoo group: eu-amsat
Date: 2010-10-09 11:55:10 UTC
From: rw3xl
Topic: 3808 Message: 3811

Ohhh, medicine...
How about Sat? :)
Two different situations present. First - stations, which calling us over other. I have QSO's with ES8SW, and Heldur don't calling others when some other activity have place! But, if no other station on sat He always said "Hello". IMHO it's good manner. I know other stations, which answer on my CQ more than 10 count in a day and do it in the low angle. Some times I want to swear, but I understand that, probably, it what for is necessary for them.
Problem with second situation - station calling (CQ or other station), but don't listen other. Have not ears? May be They use Simplex mode tranciever like FT-8x7 with wrong tunings? There should be any reason for transmiting and no answering. I listen record "over NA FM" and shocked. No abuse, like Communism.

73!

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hello Nader,
> Yes, You're absolutely right.
>
> I seriously believe trained monkeys !!! would do a better job on FM satellites - at least we could teach them
> to listen and *NOT* call CQ over the top of other stations already in QSO.
>
> I always believed that to be a radio amateur one understood simple concepts like full duplex and FM capture effect ... now I'm not so sure these principles *HAVE* been grasped by quite a few operators of the FM satellites.
>
> For the record ... I've had 4 x heart attacks and live in a 'special' old people's facility now so I *DON'T* let this anjti-social behaviour get too me, on the contrary, I find it amusing that so called ''intelligent' people
> (radio amateurs) behave thus.
>
> Like I said, I'm quite sure a flock of trained monkeys could do a better job ... and I'm *NOT* joking.
>
> Luckily, not all operators are in the same category.
>
> Have a good weekend Nader.
>
> 73 John. <la2qaa@...>
>
> NB.
>

> I keep telling my physician, I need a brain !!! transplant - not a heart transplant.
>
> To: eu-amsat@yahoogroups.com
> From: st2nh@...
> Date: Fri, 8 Oct 2010 20:27:49 +0000
> Subject: [eu-amsat] A medical advice
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> Dear John
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> A medical advice (Yes I'm a MD).
>
>
>
> You wll get a High blood pressure or Myocardial infarction if you keep listening to FM satellite.
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> Return back to Linear sat asap and relax .
>
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>
> :-)

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> Dr.Nader
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>
> >
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> >
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> >
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>
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> >
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> > Surely !!!! it's time the National Society's took the bull by the horns?.
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> >
>
> > I'm *NOT* !!! so sure the problem is the newcomers either.
>
> >
>
> > Shared resource ??? ... yea! ... right!.
>
> >
>
> > 73 John. <la2qaa@>
>
> >
>

3812. Good one Igor.

Yahoo group: eu-amsat
Date: 2010-10-09 13:17:39 UTC
From: John Hackett
Topic: 3808 Message: 3812

FB Igor,
Nice to see a long time member making some comments.

I hope you'll encourage a few more Russian stations to make some comments on the reflector.

Tell them *NOT* to worry about the English language ... I think their English is a lot better than my Russian.

73 John. <la2qaa@amsat.org>
To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Sat, 9 Oct 2010 11:55:10 +0000
Subject: [eu-amsat] Re: medical advice.

Ohhh, medicine...

How about Sat? :)

Two different situations present. First - stations, which calling us over other. I have QSO's with ES8SW, and Heldur don't calling others when some other activity have place! But, if no other station on sat He always said "Hello". IMHO it's good manner. I know other stations, which answer on my CQ more than 10 count in a day and do it in the low angle. Some times I want to swear, but I understand that, probably, it what for is necessary for them.

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73!

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

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>

> Hello Nader,

> Yes, You're absolutely right.

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> I seriously believe trained monkeys !!! would do a better job on FM satellites - at least we could teach them

> to listen and *NOT* call CQ over the top of other stations already in QSO.

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> I always believed that to be a radio amateur one understood simple concepts like full duplex and FM capture effect ... now I'm not so sure these principles *HAVE* been grasped by quite a few operators of the FM satellites.

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> For the record ... I've had 4 x heart attacks and live in a 'special' old people's facility now so I *DON'T* let this anjti-social behaviour get too me, on the contrary, I find it amusing that so called ''intelligent' people

> (radio amateurs) behave thus.

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> Like I said, I'm quite sure a flock of trained monkeys could do a better job ... and I'm *NOT* joking.

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> Luckily, not all operators are in the same category.

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> Have a good weekend Nader.

>

> 73 John. <la2qaa@...>

>

> NB.

>

> I keep telling my physician, I need a brain !!! transplant - not a heart transplant.

>

> To: eu-amsat@yahoogroups.com

> From: st2nh@...

> Date: Fri, 8 Oct 2010 20:27:49 +0000

> Subject: [eu-amsat] A medical advice

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> Dear John

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> A medical advice (Yes I'm a MD).

>

>

>

> You wll get a High blood pressure or Myocardial infarction if you keep listening to FM satellite.

>

> Return back to Linear sat asap and relax .

>

>

>

> :-)

>

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>

> Dr.Nader

>

>

>

> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:

>

> >

>

> >

>

> > Very little point in trying to flog a dead horse but the 19:29 UTC HO-68 pass was ljust ike the previous

>

> > one ... absolutely chaotic.

>

> >

>

> > One contest type exchange in a 15 minute pass ...

>

> >

>

> > QRM reigned supreme with a couple of stations calling CQ satellite while the two stations in QSO were

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> > actually still talking.

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>

> > I don't know whether to laugh or cry - amusing and tragic at the same time ... my daughter exclaimed -

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> > Any reasonable person listening to that pass would have said ... "I'm not joining that !!! lot".

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> > It sounded like a fox in the henhouse.

>

> >

>

> > Surely !!!! it's time the National Society's took the bull by the horns?.

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> >

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> > I'm *NOT* !!! so sure the problem is the newcomers either.

>

> >

>

> > Shared resource ??? ... yea! ... right!.

>

> >

>

> > 73 John. <la2qaa@>

>

> >

>

3813. HO-68 audio stream

Yahoo group: eu-amsat
Date: 2010-10-09 15:36:31 UTC
From: Mike Rupprecht
Topic: 3813 Message: 3813

All,

according Henks PA3GUO idea I will also stream the HO-68 FM transponder for test purposes this evening.

http://www.dk3wn.info/webradio.php

The times for my QTH JN49lr are:

09 Oct HO-68 17:24 to 17:39 UTC 17 deg pass

09 Oct HO-68 19:08 to 19:27 UTC 53 deg pass

09 Oct HO-68 20:56 to 21:15 UTC 41 deg pass

Any comments are very appreciated.

73, Mike

DK3WN

3814. Re: HO-68 audio stream

Yahoo group: eu-amsat
Date: 2010-10-09 22:55:39 UTC
From: st2nh
Topic: 3813 Message: 3814

gentlemen Mike and Henks

Thanks you very much

Very very enjoyable to listen to the same satellite after LOS.
I heard myself with delay of 5 or 6 seconds .

If more stations from deferent location streaming the same
Satellite we could follow the sat through the globe.

This is a very practical teaching method to exchange the technique and skill among
satellite fan community.

Thanks again gentlemen

73 de st2nh
Nader

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
>
> All,
>
>
>
> according Henks PA3GUO idea I will also stream the HO-68 FM transponder for
> test purposes this evening.
>
>
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> http://www.dk3wn.info/webradio.php
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> The times for my QTH JN49lr are:
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> 09 Oct HO-68 17:24 to 17:39 UTC 17 deg pass
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> 09 Oct HO-68 19:08 to 19:27 UTC 53 deg pass
>
> 09 Oct HO-68 20:56 to 21:15 UTC 41 deg pass
>
>
>
> Any comments are very appreciated.

>
>
>
>
>
> 73, Mike
>
> DK3WN
>

3815. Well done! Gents.

Yahoo group: eu-amsat
Date: 2010-10-10 12:48:56 UTC
From: John Hackett
Topic: 3815 Message: 3815

The live audio streaming of FM satellites of the AO-51 and HO-68 ilk, by Henk PA3GUO and Mike DK3WN
has a *TWOFOLD* advantage for the radio amateur.

1) ... It will cut down on-air time of many American and South African satellite operators ...

(c'mon !!! ... they'll be far too busy to actually work the satellite because they'll be laughing their socks off
at the European operating).

2) ... Many Europeans will hear what they themselves sound like.

... and hopefully ... this will eventually lead to a better stanbdard of operating.

Yes, I know !!! not everybody has had professional training but 'common sense' ought not to be a commodity
one needs to learn in the same way one learns good manners ... (or *NOT*, in this particular case).

73 John. <la2qaa@...>

3816. ... err ... right!.

Yahoo group: eu-amsat
Date: 2010-10-10 12:52:20 UTC
From: John Hackett
Topic: 3816 Message: 3816

... 59 ... I'm sorry, I didn't copy your call ...

73 John. <la2qaa@amsat.org>

3817. More smile!

Yahoo group: eu-amsat
Date: 2010-10-10 13:08:05 UTC
From: st2nh
Topic: 3816 Message: 3817

I like this one John, its from AC6V webpage.

QRZ FROM DX21DX
(BIG PILEUP)
THE YL STATION - GO AHEAD
DX21DX THIS IS WØW

WØW -- NICE SIGNAL -- WHATS UR NAME AND QTH
I'M IN SAN DIEGO AND THE NAME IS DESIREE
WELL DESIREE -- I'LL BE RETURNING TO SAN DIEGO
-- YOU A SINGLE LADY??

NOPE - BEEN MARRIED FOR 27 YEARS
UR 59 DESIREE QRZ FROM DX21DX

:)

73,Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> ... 59 ... I'm sorry, I didn't copy your call ...
>
> 73 John. <la2qaa@...>
>

3818. (no subject)

Yahoo group: eu-amsat
Date: 2010-10-10 14:00:40 UTC
From: John Hackett
Topic: 3818 Message: 3818

The RF only chaps are going to love !!! me for this.

Immediately after the last AO-51 pass, just for laughs I QSY'd to ECHOLINK to have a play with DTMF on
my IC-E92D (the only gear I have that isn't almost 30 years old). I connected to the Russian reflector and
found myself subject to a mini pile-up - (Frei island. IOTA EU-36).

In *PRINCIPLE*, this is similar to FM with the difference that satellite ops are full duplex so you can actually
hear the chaos of the other stations climbering on top of eachother whereas Echolink isn't full duplex and you can only hear the station that is 'captured' ... (one-to-one internet connection, unless you're set up for conferencing.

Anyway ... what I noticed was that each QSO went in an orderly and well mannered fashion - a far! cry from
satellite operating in Europe. I specifically mention Europe because the operating is *NOT* this bad in other parts of the world, regardless of population density.

... and before ya'll start whinging ... "but it's not RF, consider this" ... when I have my IC-E92D connected to K0NS in Washington State via the internet - and then go out over one of the local repeaters on the U.S west coast, it most certainly *IS* RF ... for part of the link at least.

The advantags ...

Nobody whinging about my aerials and No QRM !!!.

... for the loser now is later to win and the times they are-a changing.
Robert Zimmerman. (Bob Dylan, to you!).

73 John. <la2qaa@...>

3819. ... err ... right!.

Yahoo group: eu-amsat
Date: 2010-10-10 15:42:48 UTC
From: Blinov Igor
Topic: 3816 Message: 3819

Hello group!
For me this situation like standart. AO51 is S over 9, but local QRM from fire emergency service watchdog, which arisen for 10-20 second time to time is blocked 433-436 totaly. It is impossible to take offense, they protect us, but yes, sometimes - 59, but didn't copy callsign. :)

73, Igor, RW3XL

3820. I quite agree Igor.

Yahoo group: eu-amsat
Date: 2010-10-10 17:22:01 UTC
From: John Hackett
Topic: 3816 Message: 3820

Privet Igor,
I quite agree ... in such a case it's not really wise to complain.

I don''t know if you read my last post but it was refreshing! to have a couple of QSOs on Echolink without QRM. There were stations from all over Russia and The Ukraine. I very often monitor The Russian Reflector in the 'conference' node and have a chat when someone calls me.

Quite a lot of the chaps like to practice their English and it's a good wayfor me to improve my 3 sentences
of Russian.

Menja za voort John ... and I'm *NOT* looking at a dictionary ... he he he

Horoshov

Paka!

John <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@...
Date: Sun, 10 Oct 2010 19:42:48 +0400
Subject: [eu-amsat] ... err ... right!.

Hello group!

For me this situation like standart. AO51 is S over 9, but local QRM from fire emergency service watchdog, which arisen for 10-20 second time to time is blocked 433-436 totaly. It is impossible to take offense, they protect us, but yes, sometimes - 59, but didn't copy callsign. :)

73, Igor, RW3XL

3821. Mode change but you *STILL* have to listen.

Yahoo group: eu-amsat
Date: 2010-10-10 19:19:51 UTC
From: John Hackett
Topic: 3821 Message: 3821

Even though the mode has changed on HO-68 it is still *NOT* against the law to actually *LISTEN* before
You start CQ'ing ... there could be a QRP station already using the frequency and you'll making a mess !!!
stomping all over him.

Three times on the last pass stations started CQ'ing without asking if the frequency was in use.

YOU WILL NOT SHOT AT DAWN IF YOU *LISTEN* FIRST.

IT IS NOT !!! EFFEMINATE TO ASK IF THE FREQUENCY IS IN USE ... THEN *LISTEN* !!!! FOR AN ANSWER.

73 John. <la2qaa@...>

3822. Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-11 09:09:29 UTC
From: Al
Topic: 3783 Message: 3822

>I personally give a lot of responsibility for this situation to the local ham radio clubs and associations who should spend more time training people on any aspect of ham radio than anything else. They could do some serious seminars on operating techniques to let the ignorant operators know that not all methods of communication were made equal and that each one has its own peculiarities.
>

This is one of the most interesting posts I've seen to date. It highlights one area where current amateur radio training falls down very badly. I for one would like to see a couple of chapters in the RCE/RCF training manuals devoted to power levels, specific techniques for the various modes, and some teaching about what constitutes reasonable power and behaviour for the various modes, including satellites... at Foundation level.

> Would it be outside the spirit of ham radio to report the abusing at some regulator authorities, from where it would reach the operator himself with some serious notice that "if this improper behaviour continues your license may be revoked" ?
>

As for this part, it simply wont happen. We are now essentially a self-regulating hobby (at least in the UK), and in the whole of my country, Scotland) I believe the regulating body has only one investigator ..... to cover all aspects of radio communications. This in part could explain why amateur radio in particular and radio generally has so many problems. Even persistent offenders. known to the authorities. do not have their license revoked.

73 Al.
GM1SXX

3823. RE: [eu-amsat] Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-11 10:22:47 UTC
From: Chris Bloy
Topic: 3783 Message: 3823

Hi All,

I know I am not a regular poster, however, its JOTA weekend this coming Sat/Sun and I am going to demo the satellite station again this year.. I have now setup the SSB side although not used to that side of the Wildlife park, so will be a new experience for one and all. I will be active on the normal Zoo freqs and that includes AO-27 (for which is not so much a zoo but a rather busy drive -thru) and AO51.. So if you hear my low powered station on VO-52, AO-7, FO-29 (still active?) and of course HO-68, then I would be happy to work you for the first time!

Listen out for GB0BWS (aka M0DQO) and lets see if I can get some nice 59 repeat callsign contacts!

Best regards,

Chris (M0DQO)

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Al
Sent: 11 October 2010 10:09
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: Moo ?? ... no, zoo!.

>I personally give a lot of responsibility for this situation to the local ham radio clubs and associations who should spend more time training people on any aspect of ham radio than anything else. They could do some serious seminars on operating techniques to let the ignorant operators know that not all methods of communication were made equal and that each one has its own peculiarities.
>

This is one of the most interesting posts I've seen to date. It highlights one area where current amateur radio training falls down very badly. I for one would like to see a couple of chapters in the RCE/RCF training manuals devoted to power levels, specific techniques for the various modes, and some teaching about what constitutes reasonable power and behaviour for the various modes, including satellites... at Foundation level.

> Would it be outside the spirit of ham radio to report the abusing at some regulator authorities, from where it would reach the operator himself with some serious notice that "if this improper behaviour continues your license may be revoked" ?
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As for this part, it simply wont happen. We are now essentially a self-regulating hobby (at least in the UK), and in the whole of my country,

Scotland) I believe the regulating body has only one investigator ..... to cover all aspects of radio communications. This in part could explain why amateur radio in particular and radio generally has so many problems. Even persistent offenders. known to the authorities. do not have their license revoked.

73 Al.
GM1SXX

3824. RW3XL

Yahoo group: eu-amsat
Date: 2010-10-11 13:44:54 UTC
From: John Hackett
Topic: 3824 Message: 3824

Privet Igor,
Glad you got the card.

Thanks for copying my QRP just now. I was using the IC-E92D to an ELK aerial with the rig on the 2w setting.

Both yourself and Juergen, DG0ER, commented on the audio quality. I was pleased about that because I read
on one of the other reflectors that this rig can't be used for operating satellites.

I managed 24 countries in 10 days with the IC-E92 so I wouldn't put too much faith in that particular opinion.

It's not full duplex but if one uses one's' EARS' it works very well indeed, without problems.

A headset and a remote microphone helps too.

73 John. <la2qaa@...>

3825. Here's one for the 'experts'.

Yahoo group: eu-amsat
Date: 2010-10-11 14:07:00 UTC
From: John Hackett
Topic: 3825 Message: 3825

In every PDF I've seen with recommendations for operating FM satellites I've read that the cardinal rule
is to have an your squelch open.

I disagree.

The signals from the FM satellites are so strong that even a *TOTALLY* deaf transceiver doesn't need to operate with the squelch open.

Personally, the hissing drives me crazy! - maybe a throwback to sitting all night on Salibury Plain with an
A41 strapped to my back.

Most of today''s modern rigs have adjustable squelch levels so if you set the squelch to level 2 or 3 (more
sensitive than 8 or 9) you can relax without the Rice Crispy sounds - (snap, crackle and pop).

... and anyway! ... do you *REALLY* think you're going to copy a *VERY* weak signal through the bedlam
that is FM operating? ...

73 John. <la2qaa@...>

3826. Re: [eu-amsat] Here's one for the 'experts'.

Yahoo group: eu-amsat
Date: 2010-10-11 15:38:20 UTC
From: Thomas Frey
Topic: 3825 Message: 3826

John Hackett schrieb:
>
>
> In every PDF I've seen with recommendations for operating FM
> satellites I've read that the cardinal rule
> is to have an your squelch open.
>
> I disagree.
>
> The signals from the FM satellites are so strong that even a *TOTALLY*
> deaf transceiver doesn't need to operate with the squelch open.
>
> Personally, the hissing drives me crazy! - maybe a throwback to
> sitting all night on Salibury Plain with an
> A41 strapped to my back.
>
> Most of today''s modern rigs have adjustable squelch levels so if you
> set the squelch to level 2 or 3 (more
> sensitive than 8 or 9) you can relax without the Rice Crispy sounds -
> (snap, crackle and pop).
>
> ... and anyway! ... do you *REALLY* think you're going to copy a
> *VERY* weak signal through the bedlam
> that is FM operating? ...
>
> 73 John. <la2qaa@...>

Hello John and group

You are right. I receive with an old IC-R7000. This RX is relatively
deaf in comparison to modern rigs. I have 2 preamps connected and a
DSP loudspeaker from 'bhi'. Before I had the DSP loudspeaker connected,
I had always turned in the squelch and could also receive all satellites.
Now I have the "crispy sound" reduced with DSP and an open squelch.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3827. Re: Here's one for the 'experts'.

Yahoo group: eu-amsat
Date: 2010-10-11 15:57:37 UTC
From: st2nh
Topic: 3825 Message: 3827

Gentelmen,Group

This depends on the signals strength over a squelch threshold .
If you have a good yagi with preamp and low loss coax etc ,For sure
the signal strength wll be high (enough) to open the squelch .
Otherwise you will enjoy only the silence of night.
or you wll add more QRMing stations to the crew.

So for the simple station or newbi station my advice is (OPEN THE SQUELCH PLEASE).

73 de st2nh
Nader

==========

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> John Hackett schrieb:
> >
> >
> > In every PDF I've seen with recommendations for operating FM
> > satellites I've read that the cardinal rule
> > is to have an your squelch open.
> >
> > I disagree.
> >
> > The signals from the FM satellites are so strong that even a *TOTALLY*
> > deaf transceiver doesn't need to operate with the squelch open.
> >
> > Personally, the hissing drives me crazy! - maybe a throwback to
> > sitting all night on Salibury Plain with an
> > A41 strapped to my back.
> >
> > Most of today''s modern rigs have adjustable squelch levels so if you
> > set the squelch to level 2 or 3 (more
> > sensitive than 8 or 9) you can relax without the Rice Crispy sounds -
> > (snap, crackle and pop).
> >
> > ... and anyway! ... do you *REALLY* think you're going to copy a
> > *VERY* weak signal through the bedlam
> > that is FM operating? ...
> >
> > 73 John. <la2qaa@...>
>
> Hello John and group
>

> You are right. I receive with an old IC-R7000. This RX is relatively
> deaf in comparison to modern rigs. I have 2 preamps connected and a
> DSP loudspeaker from 'bhi'. Before I had the DSP loudspeaker connected,
> I had always turned in the squelch and could also receive all satellites.
> Now I have the "crispy sound" reduced with DSP and an open squelch.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3828. QRP transporder

Yahoo group: eu-amsat
Date: 2010-10-11 15:59:48 UTC
From: yo9gjx
Topic: 3828 Message: 3828

This evening at one pass of AO51 i try qrp on the second transporder with 145.880 uplink and 435.150 downlink with my DR153- 5w in Jpole and work very easy IK1RAN with his 5w in 4el. yagi then he switched to 3w and still comming with 57 despite industrial noise in band. We both call CQ without succes, while the other transporder was full of qrm and "ooooolla" in the same time. Nobody came on the second transporder (i managed to request on the first one) so conclusion is that is more fun to fight. A gang of "space Legionnaires" .....
Realy i think they were unaware that the second transporder is on so we just have LUCK. Hi

3829. Re: Moo ?? ... no, zoo!.

Yahoo group: eu-amsat
Date: 2010-10-11 21:15:56 UTC
From: m5aka
Topic: 3783 Message: 3829

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
> Even persistent offenders. known to the authorities. do not have
> their license revoked.

Very true Al, no UK Amateur licences have been revoked in the past 8 years.

In fact I believe the only formal action our regulator seems to have taken recently was 4 years ago when they wrote a letter to somebody asking them to stop jamming a repeater. The jamming continued unabated.

73 Trevor M5AKA

3830. RE: QRP.

Yahoo group: eu-amsat
Date: 2010-10-11 21:55:17 UTC
From: John Hackett
Topic: 3830 Message: 3830
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
I know !!!.

I worked New Zealand with 2 watts and a home brew aerial in 1980/81.

I have the QSL to prove it too.

It was a *GENUINE* 2 watts ... on a homebrewed Heathkit HW-8. (se pic)

Some of my better DX includes Botswana, Mongolia, Burma, Dahran, Gabon, Oman, Albania (rare)
Montserrat, Asxcension, Diago Garcia, Martinique, China, Tanzania, Mozambique, Malawi, Chad,
Christmas Island, Zimbabwe, Guinea, Andorra, Korea, Bangladesh, Lebanon, Uganda ... yes, I've got
the Worked All Africa confirmed.

I also worked all the old Russian republics (with an award) Worked all South America and have several DXCC's.

That's the reason I didn't get my knickers in a twist when I heard the TF station on HO-68.

CC'd to the group0 to show what you *CAN* do with QRP.

Any !!!! clown can work Europe with 100 watts and a piece of wet string.

73 John.

From: allan_gm1sxx@hotmail.com
To: la2qaa@...
Subject: RE: Massy-Donia.
Date: Mon, 11 Oct 2010 20:26:16 +0000

Hi John,

Meant to say.... Macedonia man was running 5 watts
Amazing what you can do with peanut power.

73 Al.
SXX

3831. TA7W on HO-68

Yahoo group: eu-amsat
Date: 2010-10-13 18:31:45 UTC
From: LA2MOA
Topic: 3831 Message: 3831

TA7W was QRV on the last pass on HO-68, running CW and he got quite a pile-up... Managed to work him, battling with HA's and IK's...

Anyone got a recent e-mail adress to him? TA7W that is...

Hans / LA2MOA

3832. Experimental Web Radio from New Zealand and Europe

Yahoo group: eu-amsat
Date: 2010-10-13 20:40:45 UTC
From: Mike Rupprecht
Topic: 3832 Message: 3832

All,

You can now listen to 3 stations via internet - ZL2BX, PA3GUO and DK3WN.

Go to my SatBlog and follow the link to Web Radio or simply click here
http://www.dk3wn.info/p/?page_id=17689

Alan (ZL2BX) in New Zealand is streaming some hours per day and you can
listen to the satellites at the other end of the world ;-)

Henk (PA3GUO) is mostly following AO-51 or HO-68 in FM.

I provide what I hear. If you follow my audio stream you can listen what I
receive momentarily. It could be any satellite from AO-7 up to the NOAA's.

We are open for any ideas. Let us know what you want to hear. Any
suggestions are very appreciated.

New stations are welcome, hihi. Let's share our receiver to the other ones.

73, Mike

DK3WN

3833. Re: Experimental Web Radio from New Zealand and Europe

Yahoo group: eu-amsat
Date: 2010-10-14 13:30:31 UTC
From: st2nh
Topic: 3832 Message: 3833

Great work .
Kudos to everyone who share in Satellite webradio net ZL2BX, PA3GUO and DK3WN.FB OMs

73 de Nader
st2nh

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
>
> All,
>
>
>
> You can now listen to 3 stations via internet - ZL2BX, PA3GUO and DK3WN.
>
> Go to my SatBlog and follow the link to Web Radio or simply click here
> http://www.dk3wn.info/p/?page_id=17689
>
>
>
> Alan (ZL2BX) in New Zealand is streaming some hours per day and you can
> listen to the satellites at the other end of the world ;-)
>
>
>
> Henk (PA3GUO) is mostly following AO-51 or HO-68 in FM.
>
>
>
> I provide what I hear. If you follow my audio stream you can listen what I
> receive momentarily. It could be any satellite from AO-7 up to the NOAA's.
>
>
>
> We are open for any ideas. Let us know what you want to hear. Any
> suggestions are very appreciated.
>
> New stations are welcome, hihi. Let's share our receiver to the other ones.
>
>
>
> 73, Mike
>
> DK3WN
>

3834. The AO-7 Resource Page Log.

Yahoo group: eu-amsat
Date: 2010-10-14 18:17:44 UTC
From: John Hackett
Topic: 3834 Message: 3834

To anyone who cares to listen ... the rest, brains OFF ... at ease !!.

I've just been looking at the AO-7 log.

This last year It's gone from bad to worse!.

One station managed to work a few other stations while the transponder was OFF - (according to him).

One station worked 11 other stations on a single pass ... I wonder what kind of QSO's those were? ...

That kind of operating belongs on FM (for obvious reasons), *NOT* on a linear transponder.

Maybe it's *NOT* obvious to some people ... it has to do with the passband/timing/capture effect on FM.

W0EEC (now N1DID) designed the log as an ACTIVITY log, *NOT* as a 'competition' to see who can
work the most stations ... (mentioned many! times in the last 5 years, on both reflectors.

It TOTALLY defeats the object of the log ... (also mentioned countless times).

Stations filling in consequative contacts as seperate entries (again, making false results)

Very little correction of obvious errors ... despite posts on the reflectors about how to do it. The most obvious being - delete the entry and rewrite it if you're too lazy to edit the entry properly.

In short ... a dog's dinner! ... (read: a mess).

Another good advertisment for the Radio Amateur ... where 'SLOPPY' operating and poor logging practice seem to be the key phrases these days.

Whatever happened to the pride of doing things right ??.

Probably a reflection on society ... but we'd better not go there !! ...

THUD !!! ...

(falls off soapbox).

73 John. <la2qaa@...>

3835. Re: The AO-7 Resource Page Log.

Yahoo group: eu-amsat
Date: 2010-10-14 19:51:37 UTC
From: LA2MOA
Topic: 3834 Message: 3835

Another funny detail: According to the log, a couple of stations from EA- and F-land has managed to work me while I have been at work (i.e. have been QRT).

Hans

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> To anyone who cares to listen ... the rest, brains OFF ... at ease !!.
>
> I've just been looking at the AO-7 log.
>
> This last year It's gone from bad to worse!.
>
> One station managed to work a few other stations while the transponder was OFF - (according to him).
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> That kind of operating belongs on FM (for obvious reasons), *NOT* on a linear transponder.
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> In short ... a dog's dinner! ... (read: a mess).
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>

> Whatever happened to the pride of doing things right ??.
>
> Probably a reflection on society ... but we'd better not go there !! ...
>
> THUD !!! ...
>
> (falls off soapbox).
>
>
> 73 John. <la2qaa@...>
>

3836. RE: [eu-amsat] Re: The AO-7 Resource Page Log.

Yahoo group: eu-amsat
Date: 2010-10-15 08:52:45 UTC
From: John Hackett
Topic: 3834 Message: 3836

Hans,
You're absolutely right!, I forgot about that one.

K3SZH has reported to me many times of stations 'working' him (according to the log) while he has
not been operating.

Due to certain stations operating in the ... BRAINS OFF mode ... these people have managed to make a complete shambles of what used to be a very useful resource.

I often wondered why Emily gave up on what was such a useful resource - now I understand.

I spend too much time and effort editing some ridiculous entries.

The BRAINS OFF gang have turned the log into a *points* table ... on a LINEAR transponder ...
very !!! smart.

Radio amateurs used to be known for their expertees and intelligence ...(key words: "used to be") I don't think I need to finish that sentence. The paradox is that those it applies to wouldn't understand it anyway!.

No wonder! Emily gave up on it. I have no intention of restarting to edit it.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Thu, 14 Oct 2010 19:51:37 +0000
Subject: [eu-amsat] Re: The AO-7 Resource Page Log.

Another funny detail: According to the log, a couple of stations from EA- and F-land has managed to work me while I have been at work (i.e. have been QRT).

Hans

--- In eu-amsat@...m, John Hackett <archie.hackett@...> wrote:

>

>

> To anyone who cares to listen ... the rest, brains OFF ... at ease !!.

>

> I've just been looking at the AO-7 log.

>

> This last year It's gone from bad to worse!.

>

> One station managed to work a few other stations while the transponder was OFF - (according to him).

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> Maybe it's *NOT* obvious to some people ... it has to do with the passband/timing/capture effect on FM.

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> W0EEC (now N1DID) designed the log as an ACTIVITY log, *NOT* as a 'competition' to see who can

> work the most stations ... (mentioned many! times in the last 5 years, on both reflectors.

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> Stations filling in consequative contacts as seperate entries (again, making false results)

>

> Very little correction of obvious errors ... despite posts on the reflectors about how to do it. The most obvious being - delete the entry and rewrite it if you're too lazy to edit the entry properly.

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>

> Whatever happened to the pride of doing things right ??.

>

> Probably a reflection on society ... but we'd better not go there !! ...

>

> THUD !!! ...

>

> (falls off soapbox).

>

>

> 73 John. <la2qaa@...>

>

3837. Re: The AO-7 Resource Page Log.

Yahoo group: eu-amsat
Date: 2010-10-15 12:39:44 UTC
From: LA2MOA
Topic: 3834 Message: 3837

Yup,

And this is the reason why I have now quit working AO-7 completely. I've worked around 360 QSO's on AO-7 and 74 of those (YES! SEVENTY-FOUR!!!) is with a certain station with a F2-prefix... In fact, I estimate that almost 300 of my 360 AO-7 QSO's are with 4 or maybe 5 different F-stations. You see the picture here?? It makes me sick, and it also makes satellite operating a joke.

So, until P4E or any other HEO is launched, I'm QRV on HO-68 and FO-29. Two sat's that are fun to work and with good DX-capabilities.

Right now working on my 144/432 QRP EME-project, which will be "launched" the spring 2011 if everything works out.

Ta-ta,

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hans,
> You're absolutely right!, I forgot about that one.
>
> K3SZH has reported to me many times of stations 'working' him (according to the log) while he has
> not been operating.
>
> Due to certain stations operating in the ... BRAINS OFF mode ... these people have managed to make a complete shambles of what used to be a very useful resource.
>
> I often wondered why Emily gave up on what was such a useful resource - now I understand.
>
> I spend too much time and effort editing some ridiculous entries.
>
> The BRAINS OFF gang have turned the log into a *points* table ... on a LINEAR transponder ...
> very !!! smart.
>
> Radio amateurs used to be known for their expertees and intelligence ...(key words: "used to be") I don't think I need to finish that sentence. The paradox is that those it applies to wouldn't understand it anyway!.
>
> No wonder! Emily gave up on it. I have no intention of restarting to edit it.
>
> 73 John. <la2qaa@...>

>
> To: eu-amsat@yahoogroups.com
> From: hans.ostnell@...
> Date: Thu, 14 Oct 2010 19:51:37 +0000
> Subject: [eu-amsat] Re: The AO-7 Resource Page Log.
>
>
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>
>
> Another funny detail: According to the log, a couple of stations from EA- and F-land has managed to work me while I have been at work (i.e. have been QRT).
>
>
>
> Hans
>
>
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:
>
> >
>
> >
>
> > To anyone who cares to listen ... the rest, brains OFF ... at ease !!.
>

> >
>
> > I've just been looking at the AO-7 log.
>
> >
>
> > This last year It's gone from bad to worse!.
>
> >
>
> > One station managed to work a few other stations while the transponder was OFF - (according to him).
>
> >
>
> > One station worked 11 other stations on a single pass ... I wonder what kind of QSO's those were? ...
>
> >
>
> > That kind of operating belongs on FM (for obvious reasons), *NOT* on a linear transponder.
>
> >
>
> > Maybe it's *NOT* obvious to some people ... it has to do with the passband/timing/capture effect on FM.
>
> >
>
> > W0EEC (now N1DID) designed the log as an ACTIVITY log, *NOT* as a 'competition' to see who can
>
> > work the most stations ... (mentioned many! times in the last 5 years, on both reflectors.
>
> >
>
> > It TOTALLY defeats the object of the log ... (also mentioned countless times).
>
> >
>
> > Stations filling in consequative contacts as seperate entries (again, making false results)
>
> >
>
> > Very little correction of obvious errors ... despite posts on the reflectors about how to do it. The most obvious being - delete the entry and rewrite it if you're too lazy to edit the entry properly.

>
> >
>
> > In short ... a dog's dinner! ... (read: a mess).
>
> >
>
> > Another good advertisment for the Radio Amateur ... where 'SLOPPY' operating and poor logging practice seem to be the key phrases these days.
>
> >
>
> > Whatever happened to the pride of doing things right ??.
>
> >
>
> > Probably a reflection on society ... but we'd better not go there !! ...
>
> >
>
> > THUD !!! ...
>
> >
>
> > (falls off soapbox).
>
> >
>
> >
>
> > 73 John. <la2qaa@>
>
> >
>

3838. Re: AO-7 QRT ... and EME

Yahoo group: eu-amsat
Date: 2010-10-15 13:55:06 UTC
From: John Hackett
Topic: 3838 Message: 3838

Absolutely agree with you Hans.

I too have gone QRT from AO-7 for exactly the same reason.

Amsat themselves! must accept some of the responsibility for the fast decline in standards ... promoting
FM like they did ... teaching and encouraging all the wrong things to the newcomers.

I'm *FULLY* aware of the fact that LA2QAA will probably herafter be known as a S.O.F ...

(Sour old fart)

... but that's OK, I've worked them all anyway.

I'm going backwards !!! now, I just started working FM (!!!) with a few milliwatts (because they say it can't
be done) ... kind of makes these 100w goons look a bit silly (which is the object of the exercise). It appeals
to my somewhat twisted sense of humour extracting the urine (taking the pi*s) out of the self-proclaimed PP 'experts'.

PP? ... pompous pillocks.

QRP EME ... 100w/single yagi/WJ software ?? ... tell me more.

73 John. <la2qaa@amsat.org>

3839. Re: [eu-amsat] Re: AO-7 QRT ... and EME

Yahoo group: eu-amsat
Date: 2010-10-15 15:17:20 UTC
From: Luc Leblanc
Topic: 3838 Message: 3839

On 15 Oct 2010 at 15:55, John Hackett wrote:

Date sent: Fri, 15 Oct 2010 15:55:06 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Re: AO-7 QRT ... and EME
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> Absolutely agree with you Hans.
>
> I too have gone QRT from AO-7 for exactly the same reason.
>
> Amsat themselves! must accept some of the responsibility for the fast decline in
standards ... promoting
> FM like they did ... teaching and encouraging all the wrong things to the newcomers.
>
> I'm *FULLY* aware of the fact that LA2QAA will probably herafter be known as a S.O.F ...

You probably read this on the other "controlled" BB they have to have folks running all
over the grids to sustain a minimal satellite
activity... Do you wonder why QRM is a not as bad as in EU you now know a part of the
explanation GRID chasing should be used to filled the
satellite over here. Is it a way to promote good operating skills? i let you the answer!

Quote:from Clint, K6LCS

"We have to create a "Hardest Workin' AMSAT Member" award, and give the first
one to Patrick. When I perform my demos, he's ALWAYS out there. When he
slides into his car, he is ALWAYS stopping alongside a highway to work a
satellite. (Did you see the video he posted yesterday? He is LITERALLY
stopped alongside a highway just to work a bird for our benefit.)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3840. Re: AO-7 QRT ... and EME

Yahoo group: eu-amsat
Date: 2010-10-15 15:30:18 UTC
From: LA2MOA
Topic: 3838 Message: 3840

I already knew that we share the same vision regarding this topic, hi!

The QRP EME project, which is another topic (and completely off-topic in this forum), is nothing fancy at all.

- 4 x 7 el DK7ZB yagis for 144 (3m booms)
- 4 x 13 el DK7ZB yagis for 432 (3m booms)
- Elevation/azimuth rotation
- 250-300W on 144
- 100W on 432
- LNA's from Down East Microwave for both bands
- Sequencer from DEMI
- Low loss Ecoflex-10 for all cables and stacking harness's
- WSJT (JT65B/C)

So there you got it. I'm quite sure that the first station answering my very first CQ on the moon will be F2**...

H.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Absolutely agree with you Hans.
>
> I too have gone QRT from AO-7 for exactly the same reason.
>
> Amsat themselves! must accept some of the responsibility for the fast decline in standards ... promoting
> FM like they did ... teaching and encouraging all the wrong things to the newcomers.
>
> I'm *FULLY* aware of the fact that LA2QAA will probably herafter be known as a S.O.F ...
>
> (Sour old fart)
>
> ... but that's OK, I've worked them all anyway.
>
> I'm going backwards !!! now, I just started working FM (!!!) with a few milliwatts (because they say it can't
> be done) ... kind of makes these 100w goons look a bit silly (which is the object of the exercise). It appeals
> to my somewhat twisted sense of humour extracting the urine (taking the pi*s) out of the self-proclaimed PP 'experts'.
>
> PP? ... pompous pillocks.
>

> QRP EME ... 100w/single yagi/WJ software ?? ... tell me more.
>
> 73 John. <la2qaa@...>
>

3841. Re: [eu-amsat] Re: AO-7 QRT ... and EME

Yahoo group: eu-amsat
Date: 2010-10-15 16:31:04 UTC
From: Iain McKeracher
Topic: 3838 Message: 3841

Hans,

Agreed 100 per cent. See you on HO-68 in about a month.

73

Iain 5B4AGY

Sent from my iPod

On 15 Oct 2010, at 17:17, Luc Leblanc <lucleblanc6@...> wrote:

> On 15 Oct 2010 at 15:55, John Hackett wrote:
>
> Date sent: Fri, 15 Oct 2010 15:55:06 +0200
> From: John Hackett <archie.hackett@...>
> Subject: [eu-amsat] Re: AO-7 QRT ... and EME
> To: eu-amsat@yahoogroups.com
> Send reply to: no_reply@yahoogroups.com
>
> >
> > Absolutely agree with you Hans.
> >
> > I too have gone QRT from AO-7 for exactly the same reason.
> >
> > Amsat themselves! must accept some of the responsibility for the fast decline in
standards ... promoting
> > FM like they did ... teaching and encouraging all the wrong things to the newcomers.
> >
> > I'm *FULLY* aware of the fact that LA2QAA will probably herafter be known as a S.O.F
...
>
> You probably read this on the other "controlled" BB they have to have folks running all
over the grids to sustain a minimal satellite
> activity... Do you wonder why QRM is a not as bad as in EU you now know a part of the
explanation GRID chasing should be used to filled the
> satellite over here. Is it a way to promote good operating skills? i let you the answer!
>
> Quote:from Clint, K6LCS
>
> "We have to create a "Hardest Workin' AMSAT Member" award, and give the first
> one to Patrick. When I perform my demos, he's ALWAYS out there. When he
> slides into his car, he is ALWAYS stopping alongside a highway to work a
> satellite. (Did you see the video he posted yesterday? He is LITERALLY
> stopped alongside a highway just to work a bird for our benefit.)
>

> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>

3842. Zoological Gardens.

Yahoo group: eu-amsat
Date: 2010-10-15 18:07:06 UTC
From: John Hackett
Topic: 3842 Message: 3842

Once more into the breech ...

Again, only 1 single contest type 'QSO' (?) on the last (complete) pass of HO-68 in FM mode.

Due entirely! to stations calling on top of eachother so that *NOBODY* got through.

I wonder what it's going to take before the message eventually sinks in to some of these people?.

YOU HAVE TO LISTEN !!! ...

... and when somebody is already in QSO on the transponder, by continuing to call CQ SATELLITE ...
the *ONLY* !!!! thing you're acheaving is causing QRM so that the stations who were! lucky enough to get through the bedlam have to repeat what they were saying over ... and over ... and over again ...
thereby using far more of the transponder time than is necessary.

This *IS* caused by the stations calling CQ satellite on top of others ...

IS THIS SO HARD TO UNDERSTAND !!! ... that you're shooting yourselves !!! in the foot.

Listen ... listen ... listen ... listen ... listen ... listen ... listen ... listen ... listen ... listen ... listen ... listen

As usual, AWWWWLER was in there, contributing to the chaos - and as usual he *DIDN'T* manage a contact.
Maybe it's fun contributing to the chaos ... not my cup of tea but it takes all kinds to make a world.

Oh and by the way, the chappie with *EXTREME* power, congratualations, you finally got through, but you blocked at least 10 other stations - well done!. This just makes the situation worse.

Relax !!!! Nader - it doesn't affect my blood pressure, I find it quite amusing! ... it sounds like a fox in the henhouse.

Brilliant! advertising for amateur radio operators.

Maybe a blast of Dynamite would get the message into some of those heads ... common sense certainly doesn't work.

73 John. <la2qaa@...>

3843. FO-29 Dead??

Yahoo group: eu-amsat
Date: 2010-10-15 19:34:49 UTC
From: LA2MOA
Topic: 3843 Message: 3843

...haven't heard FO-29 for two passes now. Nothing. Anyone knowing if something's wrong with the bird or just anormal "state" from time to time.

Hans / LA2MOA

3844. LA2MOA ... Oscar Status page.

Yahoo group: eu-amsat
Date: 2010-10-15 22:19:44 UTC
From: John Hackett
Topic: 3844 Message: 3844

Hans,
FO-29 has been silent since yesterday morning.
You can check the status at ... <http://oscar.dcarr.org/>

73 John <la2qaa@...>

3845. A point to ponder ...

Yahoo group: eu-amsat
Date: 2010-10-16 13:59:47 UTC
From: John Hackett
Topic: 2967 Message: 3845

Saturday - (read: high transponder activity) - AO-51, a (measured) 2 watts to an ELK aerial.

SV2KGA, ON5NY and RW4UV all answered ny single call and we all exchanged reports.

My point? ...

All those stations using more than about 20 watts or so are merely causing QRM.

It's operating technique that counts, not the amount of power.

Endless ... CQ SATELLITE, CQ SATELLITE, CQ SATELLITE, CQ SATELLITE is in fact QRM !!!!.

It *NOT* necessary. Just say your callsign and LISTEN !!!!.

If someone is already in QSO you're *NOT* going to get through and you *WILL* cause QRM.

This post is based on the theory that if you say it often enough - it might just eventually sink in.
(It's based on the Chinese water torture) - as mentioned previously, common sense obviously doesn't work.

73 John. <la2qaa@...>

3846. Welcome

Yahoo group: eu-amsat
Date: 2010-10-16 17:36:25 UTC
From: John Hackett
Topic: 1225 Message: 3846

EU AMSAT welcomes Sergey UR3CTB.

73 John <la2qaa@...>

3847. eQsl

Yahoo group: eu-amsat
Date: 2010-10-16 18:16:37 UTC
From: yo9gjx
Topic: 3062 Message: 3847

http://yo9gjx.blogspot.com/

3848. Activity at 15/10/2010 (short report)

Yahoo group: eu-amsat
Date: 2010-10-17 01:26:15 UTC
From: ur3ctb
Topic: 3848 Message: 3848

15/10/2010 10-16utc AO-27
UR4LCA (new st)

15/10/2010 10-16utc AO-27
RV3EFP

15/10/2010 10-20utc AO-27
IK0USO (new st.)

15/10/2010 10-49utc AO-51
RV3EFP

15/10/2010 10-52utc AO-51
RA9CCF (new st.)

15/10/2010 12-28utc AO-51
UR5RQP

15/10/2010 12-29utc AO-51
UR5GRZ (new st.)

15/10/2010 12-31utc AO-51
LA2QAA (new st.)

15/10/2010 14-01utc AO-51
4Z1WS (new st.+new dxcc)

15/10/2010 14-10utc AO51
PA1TNO

+hrd UR5NQM, but not worked with him)

73 de UR3CTB

3849. ARISSat

Yahoo group: eu-amsat
Date: 2010-10-17 09:49:49 UTC
From: John Hackett
Topic: 3849 Message: 3849

I just read with interest the ANS bulletin about the 15 language message that will be transmitted via
ARISSsat.

While there *IS* Nepalese (!) included ... both South African and Argentinian are conspicuous by their
absence.

73 John. <la2qaa@...>

3850. Re: [eu-amsat] Activity at 15/10/2010 (short report)

Yahoo group: eu-amsat
Date: 2010-10-17 10:31:51 UTC
From: Thomas Frey
Topic: 3848 Message: 3850

Hello All

Yesterday at 15:10z I had a QSO with UT1FG/mm via AO-51's .150-repeater.
He was in the North Sea in the field KO07.

ur3ctb schrieb:
> 15/10/2010 10-16utc AO-27
> UR4LCA (new st)
>
> 15/10/2010 10-16utc AO-27
> RV3EFP
>
> 15/10/2010 10-20utc AO-27
> IK0USO (new st.)
>
> 15/10/2010 10-49utc AO-51
> RV3EFP
>
> 15/10/2010 10-52utc AO-51
> RA9CCF (new st.)
>
> 15/10/2010 12-28utc AO-51
> UR5RQP
>
> 15/10/2010 12-29utc AO-51
> UR5GRZ (new st.)
>
> 15/10/2010 12-31utc AO-51
> LA2QAA (new st.)
>
> 15/10/2010 14-01utc AO-51
> 4Z1WS (new st.+new dxcc)
>
> 15/10/2010 14-10utc AO51
> PA1TNO
>
> +hrd UR5NQM, but not worked with him)
>
> 73 de UR3CTB
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3851. This one's ESPECIALLY for LA2MOA

Yahoo group: eu-amsat
Date: 2010-10-17 12:06:07 UTC
From: John Hackett
Topic: 3851 Message: 3851

Privet Hans,
Sunday, the 17th, the AO-7 Resource Page log ...

09:55 IZ8NKY LY1R, F??, D??

I didn't get the colour of his socks? ...which would be just about as relavant as F??, D??

That just about sums it up, yes ??.

73 John, <la2qaa@...>

3852. Re: This one's ESPECIALLY for LA2MOA

Yahoo group: eu-amsat
Date: 2010-10-17 13:52:54 UTC
From: LA2MOA
Topic: 3851 Message: 3852

Absolutely. It's a joke. I'll bet these clowns are making fake QSL:s as well for all "pseudo-QSO's" they are working on AO-7.

By the way, third day with complete silence from FO-29. Anyone knowing what has happened? Has the sat re-entered in the atmosphere and burned?

Hans

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Privet Hans,
> Sunday, the 17th, the AO-7 Resource Page log ...
>
> 09:55 IZ8NKY LY1R, F??, D??
>
> I didn't get the colour of his socks? ...which would be just about as relavant as F??, D??
>
> That just about sums it up, yes ??.
>
> 73 John, <la2qaa@...>
>

3853. FO29

Yahoo group: eu-amsat
Date: 2010-10-17 13:57:47 UTC
From: Blinov Igor
Topic: 3851 Message: 3853

I read this two posts on amsat-bb:

JARL says: It seems that the power budget of FO-29 is low.
We turned off the analog transmitter(JTA) to confirm it on
8:19 UTC, 14 Oct 2010. We are going to perform the next use
as follows.
16 Oct, 20:00 UTC ON, and
18 Oct, 19:55 UTC OFF
It does not limit the use of the analog system transponder,
but please do uplink with the reasonable power. We may cancel
the use depending on the status of the examination use.
Please use as low power as necessary on the uplink to complete
your communications.
JE9PEL, Mineo Wakita

JARL says: We failed to turn on a transmitter at 20:00 UTC, 16th Oct.
We inform it of the future use after 0:30 UTC on 17th.
JE9PEL, Mineo Wakita

17.10.10, 17:52, "LA2MOA" :
?

...
By the way, third day with complete silence from FO-29. Anyone knowing what has happened?
Has the sat re-entered in the atmosphere and burned?
...

3854. Re: FO29

Yahoo group: eu-amsat
Date: 2010-10-17 14:37:50 UTC
From: LA2MOA
Topic: 3851 Message: 3854

Mni tnx, Igor!

FO-29 is beginning to get old... When JARL now ask us to be gentle to the bird, by running QRP-levels, I'm afraid that it will be a trigger for all the LIDS abusing AO-7 and the FM-birds to migrate to FO-29 and burn her up when eccessive power use.

Common sence will NOT help in this case. LA2QAA is more thn right, I'm afraid.

Hans / LA2MOA

3855. The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-17 15:15:20 UTC
From: John Hackett
Topic: 3855 Message: 3855

I was demonstating anafternoon AO-51 pass for some scouts ranging in age from 10 to 16.

The usual 'zoo' applied ... CQ satellite on top of stations in QSO ... sometimes 4 and 5 deep!

Seriously!.

The scouts were *NOT* impressed, with comments ranging from ...

"Sounds like a bunch of old crazy! men" ... to ...

"There's no way !!! I'm going to be a radio amateur".

Well done! 75% of the operators on this afternoon's pass.

At least you've ensured these young people *WON'T* have anything to do with amateur radio.

NB.

I'm fully awatr the QRP transponder was active especially for scouts but I wanted them to see what
the *REAL* world of modern amateur radio was like ... and boy !!! did they see it ... he he he he.

I must admit, for the first time in 30 years I was actually ashamed! to be an amateur.

73 John. <la2qaa@...>

3856. RE: [eu-amsat] Re: This one's ESPECIALLY for LA2MOA

Yahoo group: eu-amsat
Date: 2010-10-17 15:18:21 UTC
From: John Hackett
Topic: 3851 Message: 3856

Hans,
I was about to give you the FO-29 low-down (news) but I see me' mate! Igor already did it.

73 John.

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Sun, 17 Oct 2010 13:52:54 +0000
Subject: [eu-amsat] Re: This one's ESPECIALLY for LA2MOA

Absolutely. It's a joke. I'll bet these clowns are making fake QSL:s as well for all "pseudo-QSO's" they are working on AO-7.

By the way, third day with complete silence from FO-29. Anyone knowing what has happened? Has the sat re-entered in the atmosphere and burned?

Hans

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

>

>

> Privet Hans,

> Sunday, the 17th, the AO-7 Resource Page log ...

>

> 09:55 IZ8NKY LY1R, F??, D??

>

> I didn't get the colour of his socks? ...which would be just about as relavant as F??, D??

>

> That just about sums it up, yes ??.

>

> 73 John, <la2qaa@...>

>

3857. Re: [eu-amsat] The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-17 16:39:59 UTC
From: Luc Leblanc
Topic: 3855 Message: 3857

On 17 Oct 2010 at 17:15, John Hackett wrote:

Date sent: Sun, 17 Oct 2010 17:15:20 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] The Generation Gap.
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

>
> I must admit, for the first time in 30 years I was actually ashamed! to be an amateur.
>
> 73 John. <la2qaa@...>

You should hear what we can hear on one of our local repeater overnight ... The word ashamed goes very with Hams here... On many occasion
we are confronted to situation who makes our group looking like a bunch of fool EG: AMSAT-BB censorship, bad on the air behaviour, and so
on and to have another side of the storey just look at theses video (I already posted the links) but for those who don't already see them).

http://www.youtube.com/watch?v=IWE7FrVY9T4&feature=fvsr
http://www.youtube.com/watch?v=-4iN9lQ1r_E&feature=related
http://www.youtube.com/watch?v=bdbKPcNcq2k&feature=related
http://www.youtube.com/watch?v=omkOGqkVDKA&feature=related
http://www.youtube.com/user/burt2481#p/a/f/1/fRRvqmoCiH4

And what it is supposed to be...
http://www.youtube.com/watch?v=5Z9136_Nhh4&feature=related

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3858. RE: [eu-amsat] The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-17 17:35:21 UTC
From: John Hackett
Topic: 3855 Message: 3858

Hello Luc,
Thanks for the videos. I'd seen the first one before but not the others.

There's a *LOT* of truth there.

Of course, the people responsible for the decline in the standards just bury their heads in the sand and refuse to accept there's a problem.

In my opinion, offering an FM transponder to "teach newcomers" wasn't the brightest Amsat concept
and guess what ... bææ ... bææ ... bææ ...

Mary had a little lamb, it's fleece was white as snow
And everywhere that Mary went, the lamb was sure to go

... and all the little sheep followed ...

Personally, I wonder whatever happened to the pride of doing something to the best of one's ability.

These days, we live in a 'tick' box' society where any old thing is good enough - where instead of helping
the bright one's forward - we''re pulling everybody back to the weakest link.

Just my personal opinion on amateur radio and 2010 in general.

(Please note ... I'm *NOT* asking anyone to agree or disagree - I was merely stating an opinion).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
CC: amsat-bb@...
From: lucleblanc6@...
Date: Sun, 17 Oct 2010 12:39:59 -0400
Subject: Re: [eu-amsat] The Generation Gap.

On 17 Oct 2010 at 17:15, John Hackett wrote:

Date sent: Sun, 17 Oct 2010 17:15:20 +0200

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] The Generation Gap.

To: eu-amsat@yahoogroups.com

Send reply to: eu-amsat@yahoogroups.com

>

> I must admit, for the first time in 30 years I was actually ashamed! to be an amateur.

>

> 73 John. <la2qaa@...>

You should hear what we can hear on one of our local repeater overnight ... The word ashamed goes very with Hams here... On many occasion

we are confronted to situation who makes our group looking like a bunch of fool EG: AMSAT-BB censorship, bad on the air behaviour, and so

on and to have another side of the storey just look at theses video (I already posted the links) but for those who don't already see them).

http://www.youtube.com/watch?v=IWE7FrVY9T4&feature=fvsr

http://www.youtube.com/watch?v=-4iN9lQ1r_E&feature=related

http://www.youtube.com/watch?v=bdbKPcNcq2k&feature=related

http://www.youtube.com/watch?v=omkOGqkVDKA&feature=related

http://www.youtube.com/user/burt2481#p/a/f/1/fRRvqmoCiH4

And what it is supposed to be...

http://www.youtube.com/watch?v=5Z9136_Nhh4&feature=related

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3859. Re: The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-17 22:02:18 UTC
From: m5aka
Topic: 3855 Message: 3859

It highlights well the fundamental disadvantages of a single channel satellite, they are only of use as long as there are very few people wanting to use them.

There is no doubt that the future of amateur satellite communications lies with linear transponders and where power budgets permit the use of SDX technology which eliminates the dynamic range problem where a single high power user can take all the transponder power.

I remember how impressive the first SDX Mode B transponder demonstration was at the 2005 AMSAT-UK colloquium. A Mode S version was demonstrated the following year - http://www.southgatearc.org/news/july2006/crossband_linear_transponder.htm

This technology seemed resolve the biggest drawback to linear transponders and I'm glad to see that next year we should see a satellite deployed carrying an SDX transponders (ARISSAT). Then we'll find out how well they perform in a real-world scenario.

73 Trevor M5AKA

3860. RE: [eu-amsat] Re: The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-17 22:19:05 UTC
From: John Hackett
Topic: 3855 Message: 3860

Good post Trevor.

After my FM operating rants I think it appropriate I *SHOUT*the following ...

OYEZ ... OYEZ ... OYEZ ... (The Town Cryer).

All credit to AMSAT-UK's FUNcube project and the linear transponder. I hope they'll publish receommended operating proceedures so than we can avoid another 'zoo' situation ... and I hope amateurs will follow the recommended proceedure.

Lets get back to the RS-10 style of operating.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Sun, 17 Oct 2010 22:02:18 +0000
Subject: [eu-amsat] Re: The Generation Gap.

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73 Trevor M5AKA

3861. Re: [eu-amsat] The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-18 02:42:45 UTC
From: Luc Leblanc
Topic: 3855 Message: 3861

>
> (Please note ... I'm *NOT* asking anyone to agree or disagree - I was merely stating an opinion).
>
> 73 John. <la2qaa@...>

Hi John

The Pope Benedict XVI just bless a new saint from Québec today Saint frère André. I was inspired and in a way to guide you in your crusade
against bad operating trend here is another web page who can help... I sincerely hope!

http://www.dx-code.org/

There is a translation written in:
Croatian
Chinese
Portuguese
Spanish
Estonian
French
German
English
Hungarian
Korean
Italian
Japanese
Mongolian
Norwegian
Lithuanian
Bulgarian
Finnish
Czech
Danish
Dutch
Russian
Slovenian
Swedish
Greek
Polish
Ukrainian
Romanian
Latvian
Serbian
South African

So there is no more excuses about any language barrier. I still believe the info's does not reach many operators due to this language
issue? Note i wrote "believe"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3862. RE: [eu-amsat] The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-18 08:21:20 UTC
From: John Hackett
Topic: 3855 Message: 3862

Hello again Luc,
Thanks. Well I spent a long time requesting the national Society's to pring recommended operating proceedures was was TOTALLY ignored - which I found to be a disappointment ... so in one way it'sd hardly surprising the standards have declined.

I'm 'FULLY* aware that the person who stands on the soapbox calling for change, opens himself to ridicule
but somebody! needs to make people aware they're on a slippery slope ... and at my age, I can take the criticism and riducule.

It it makes just one (1) operator put his brain in the 'ON' position when operating FM on a satellite - it will have been worth it.

ROGER ... ROGER ... ROGER ... I COPY YOU 100% ... PLEASE REPEAT YOUR CALL ... QRZ ?? ...

(It is *NOT* illegal to use your own !!!! national language ... but you'll get more contacts in English).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sun, 17 Oct 2010 22:42:45 -0400
Subject: Re: [eu-amsat] The Generation Gap.

>

> (Please note ... I'm *NOT* asking anyone to agree or disagree - I was merely stating an opinion).

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WAC BASIC CW PHONE SATELLITE

3863. TO ALL FM SATELLITE OPERATORS.

Yahoo group: eu-amsat
Date: 2010-10-18 08:31:51 UTC
From: John Hackett
Topic: 3855 Message: 3863

I would ask every operator to request that his/her national society publish The CODE OF CONDUCT kindly provided by Luc VE2DWE - (you'll find it below).

It's already translated into many National languages.

The OBSERVATIONS website will publish it for all to see.

EU AMSAT thanks Luc for providing it.
To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Sun, 17 Oct 2010 22:42:45 -0400
Subject: Re: [eu-amsat] The Generation Gap.

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WAC BASIC CW PHONE SATELLITE

3864. Re: The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-18 10:40:50 UTC
From: Al
Topic: 3855 Message: 3864

Hi Luc,

Thanks for the heads-up. I liked the DX Operating page so much that I added the link to Observations.

Of course, it doesn't only apply to DX. Day to day operation is just as important, and that includes satellites, because it reflects on how our hobby is viewed by others.

73 Al.
GM1SXX

3865. Now this was a nice QSO!

Yahoo group: eu-amsat
Date: 2010-10-18 11:47:11 UTC
From: LA2MOA
Topic: 3865 Message: 3865

I wish (for their own sake) that all these "CQ-Beacons" operating on the birds would bother to listen for som time... then they just migh work something nice, eventually get a new callsign or a new grid in their logs, instead of working the same stations (i.e other CQ-beacons). I've changed my operating style quite a bit, and I'm not calling CQ theses days as much as i did before. Today I was listening to a passage of VO-52 and found UT1FG/MM calling CQ. Reports was exchanged and a new satellite-square was added to my collection. OK, JO57 is maybe not the most rare square to eork, but it's good to know that there is a station QRV on the birds, capable of giving you all those "all-water-squares". i will most definetely keep on listening for UT1FG/MM. Tomorrow he might be in one of those all water ones...

The lesson learned? Well, if I had been calling CQ during the whole passage, I hade never learned that there was a /MM station QRV, capable of giving me those really rare ones...

LISTEN - LISTEN - LISTEN!!!

3866. GOBSMACKED.

Yahoo group: eu-amsat
Date: 2010-10-18 13:32:27 UTC
From: John Hackett
Topic: 3866 Message: 3866

I'm GOBSMACKED !!! ... (amazed) ... could it be that the "listen" message is finally starting to sink in ??.

Like Mulder & Scully - I'll believe it when I see it.

... but LA2MOE is right, if he'd been yattering! CQ instead of listening, he'd never heard the /MM station.

An interesting fact is that the operation was published on the Amsat-bb 14 days ago and Yuri has been calling on both AO-51 and and HO-68 but is being drowned out by the .. CQ SATELLITE CQ SATELLITE ... crowd calling on top of him. Usually there are two or three stations who *DO* answer - but they can't get through the ...
CQ SATELLITE ... CQ SATELLITE ...

In the old days, the Americans used to say ... "You can't work em' if you can't hear em' ... very true.

NB.

When I mentioned I worked 24 countries on HO-68 last month (max 2w) I never called CQ one single time.

73 John. <la2qaa@...>

3867. Re: FO29

Yahoo group: eu-amsat
Date: 2010-10-18 13:55:16 UTC
From: WILLIAMS M
Topic: 3851 Message: 3867

K9CIS has been forwarding his routine decodes of FO-29's beacon signal at 435.795 MHz to JE9PEL, Mineo Wakita.

It might be FO-29's status has been monitored more closely than in the past. This shut down seems to initiated from ground control.

It seems in past shut downs, FO-29 shut itself down when its battery state became severe. This resulted in long term battery reconditioning by ground control.

This is my favorite satellite. I enjoy having CW QSOs down to LOS. Loss of this one will greatly influence my sat activity.

I wish JARL all the best. FO-20 and 29 sure made getting my sat station up and running worth the time and effort.

My opinion,

Mike, K9QHO, Elwood, Indiana, USA

3868. For the attention of Mr Chris Bloy.

Yahoo group: eu-amsat
Date: 2010-10-18 19:27:32 UTC
From: John Hackett
Topic: 3868 Message: 3868

Earlier today, on the Amsat-bb a Mr Chris Bloy, a Brit ... an M station (I didn't register the whole callsign)
was asking about switchable circular polarisation but more intriguingly mentioned that he was having trouble working LEO's on 70cm with his 19 element aerial.

Well Sir, I can assure you that circular polarisation is *NOT* the problem. The problem is uncoubtedly your beam has a far !!! too narrow horizontal and vertical beamwidth for tracking LEO's. 19 elements would be suitable for a satellite in high earth orbit but *NOT* LEO.

A stiff breeze or a rattle of the rotor and you'd miss the satellite completely. For LEO's you'd be wasting your money investing in switchable circular polarisation.

I would respectfully suggest you read up on horizontal and vertical beamwith for your aerialof choice.
6 elements is about average for LEO working and certainly no more than 10 ... and that's assuming you have
a *PRECISE* tracking system.

GOOGLE is your friend.

Perhaps some G station reading this could giove Mr Bloy a heads-up.

73 John. <la2qaa@...>

3869. Re: [eu-amsat] For the attention of Mr Chris Bloy.

Yahoo group: eu-amsat
Date: 2010-10-18 20:17:08 UTC
From: Chris Bloy
Topic: 3868 Message: 3869

Hi John,

I'm here!!

Thanks for the info! Should of asked here first before shouting at the wider audience!! Anyway I am going to move to a smaller beam now and can this makes complete sense from what I am hearing on the linear!

I am afraid I took advise from a (how do you put it John!) more power then ears station who recommend the monster!!

Thanks for the advice on upgrading to the better antenna, Ie the WiMo as advised by those who use Linear satellites and not just the shoutsats! Fm work perfectly just couldn't hear my own signal on the linears!!!

73's

M0DQO or Mr Chris Bloy :)

Sent from my iPhone

On 18 Oct 2010, at 20:27, John Hackett <archie.hackett@hotmail.com> wrote:

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>
> Perhaps some G station reading this could giove Mr Bloy a heads-up.
>
> 73 John. <la2qaa@amsat.org>

>

3870. Re: The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-18 21:05:31 UTC
From: m5aka
Topic: 3855 Message: 3870

It highlights well the fundamental disadvantages of a single channel satellite, they are only of use as long as there are very few people wanting to use them.

There is no doubt that the future of amateur satellite communications lies with linear transponders and where power budgets permit the use of SDX technology which eliminates the dynamic range problem where a single high power user can take all the transponder power.

I remember how impressive the first SDX Mode B transponder demonstration was at the 2005 AMSAT-UK colloquium. A Mode S version was demonstrated the following year - http://www.southgatearc.org/news/july2006/crossband_linear_transponder.htm

This technology seemed resolve the biggest drawback to linear transponders and I'm glad to see that next year we should see a satellite deployed carrying an SDX transponders (ARISSAT). Then we'll find out how well they perform in a real-world scenario.

73 Trevor M5AKA

3871. Re: The Generation Gap.

Yahoo group: eu-amsat
Date: 2010-10-18 21:11:15 UTC
From: m5aka
Topic: 3855 Message: 3871

John,

You're absolutely right that people need to be made aware of correct operating procedures.

Have you thought of writing an article for the RSGB publication RadCom on good operating practice for the Amateur satellites.

Very little gets published on how to use the sats effectively, probably because no-one submits any articles.

73 Trevor M5AKA

3872. Hello Chris ...

Yahoo group: eu-amsat
Date: 2010-10-18 21:42:50 UTC
From: John Hackett
Topic: 3868 Message: 3872

Hello Chris,
Forgive me!, I didn't realise you were here ... if I had a grain of sense! I would have, since
I'm the founder and one of the moderators of this group ... the other being GM1SXX, the intelligent one.
(I'm the good looking one) we're 'collectively' known as "The Twisted Pair" ... and we're not talking about lamp leads ... but I digress ...

I can tell you from experience that the Wimo aerials - (only insects and Americans have antenas) - are very well constructed (typical German) and for LEO linear satellites you can't beat the 6 element crossed
yagi which has exactly the same performance as 2 x 6 elements driven in parallel.

The horizontaland vertical beamwidths is 60 degrees which, in plain English means 60 degrees 'off' the boresight of the aerial your power will only have fallen to -3dB (half) ... which is as near perfect as you're going to get with an ordinary aerial for LEO use.

You only need a circularly polarised signal if there is a *LOT* of fading and Farraday rotation. Remember,
with circular polarisation a worst case scenario (cross polarisation) means a loss of 20 - 30 dB in general
(I won't go into the other aspects unless you specifically ask) wheras a worst case linear polarisation is only 3dB.

I used a 6 element WIMO crossed yagi fed as a single linear polarised aerial in conjunction with a homebrew 6 element 70cm beam with 20 watts RF fed to the aerials. I had absolutely no problems working any of the satellites from RS-10 to today's HO-68 (HEO's AO-10 and 13 included). These aerials ensured I held 3rd place on AO-7 until I migrated to other things.

the 24 countries in 10 days on HO-68 recently was with a mere 2 watts to a 5 element ELK log periodic array
WITHOUT calling CQ but using an old QRP technique of 'search and pounce' or 'tail-ending' a QSO.
The 'trick' is to learn ther timing of the changeover relay - something 75% of the operators get wrong.

Use circular by all means Chris but ask yourself ... is it really worth the time and effort?. I don't think it is on a LEO.

I stated that a circularly polarised signal is only circular in the boresight of the beam ... one gentleman forwarded the statement that a quadrifilar helical aerial is circularly polarised in all directions ... true! ...
and wouldn't it be nive if anateur satellites had them ... but they don't ... so it's hardly relavant.

The point is ... amateur satellites that transmit a circularly polarised signal do it at their venith ... in all other directions, the signal will be elliptically polarised and

linear is the better all round choice.

Of course, at *CERTAIN* times you *WILL* be at the zenith - then you'll gain the odd dB in relation to a linear system ... but we're back to the question of - is it worth the effort?.

On HO-68 you can get on very well with a rusty 6" nail or a piece of wet string. If the want to increase the
radiation resistance ... strap 6 x Coca Cola cans together (old Royal Signals trick).

Hope that helps Chris.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@...
Date: Mon, 18 Oct 2010 21:17:08 +0100
Subject: Re: [eu-amsat] For the attention of Mr Chris Bloy.

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I'm here!!
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I am afraid I took advise from a (how do you put it John!) more power then ears station who recommend the monster!!
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a *PRECISE* tracking system.

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73 John. <la2qaa@...>

3873. Operating proceedure.

Yahoo group: eu-amsat
Date: 2010-10-18 21:51:27 UTC
From: John Hackett
Topic: 3855 Message: 3873

Hello Trevor,
I wrote a book for the potential newcomers together with GM1SXX. We donated copies
to Amsat-UK but it was many years ago now. Perhaps a second updated edition would be of use for the
newer operators directed at the LWC aka RSGB.

I'll have a word with my partner-in-crime, GM1SXX.

Al is still a member of the RSGB, he's also a foundation exam instructor.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Mon, 18 Oct 2010 21:11:15 +0000
Subject: [eu-amsat] Re: The Generation Gap.

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3874. RE: [eu-amsat] Hello Chris ...

Yahoo group: eu-amsat
Date: 2010-10-19 07:48:37 UTC
From: Chris Bloy
Topic: 3868 Message: 3874

Hi John,

No problems, I am just willing to learn unlike some others I dare to mention!

So, if I ask stupid question, please forgive me! Anyway, so should I go for the WiMo Crossed 70cms aerial and fed it with two x feeders and connect the radio end to an aerial switch for switching the two planes rather than the phasing harness?

Would this help with the fading etc?

Any websites for research/explaining?

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 18 October 2010 22:43
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Hello Chris ...

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Well Sir, I can assure you that circular polarisation is *NOT* the problem. The problem is uncoubtedly your beam has a far !!! too narrow horizontal and vertical beamwidth for tracking LEO's. 19 elements would be suitable for a satellite in high earth orbit but *NOT* LEO.

A stiff breeze or a rattle of the rotor and you'd miss the satellite completely. For LEO's you'd be wasting your money investing in switchable circular polarisation.

I would respectfully suggest you read up on horizontal and vertical beamwith for your aerialof choice.
6 elements is about average for LEO working and certainly no more than 10 ... and that's assuming you have
a *PRECISE* tracking system.

GOOGLE is your friend.

Perhaps some G station reading this could giove Mr Bloy a heads-up.

73 John. <la2qaa@...>

3875. RE: [eu-amsat] Hello Chris ...

Yahoo group: eu-amsat
Date: 2010-10-19 09:31:16 UTC
From: John Hackett
Topic: 3868 Message: 3875

Hello Chris,
First off, there are! no stupid questions ... only PP's (pompous pillocks) who think they know
it all. You wouldn't believe! the cock-ups I've created throughout the years ... the 'trick' is not to make the same mistake twice.

I'll tell you what 'I'd' do. I'd purchase the Wimo 70cm crossed yagi and make a polarisation switch myself.
(You'll find one in the archives in the group) or you can Google something like *POLARISATION SWITCH*
all you need is an electrical quarter wavelength of 93 ohm coax and a half-decent switch.

You can operate it remotely if you want to keep line losses to a minimum.

Be aware that even with circular polarisation you *WILL* get some fading - depending on the orientation of the spacecrafts aerials at any given moment. Hoogle FARADAY ROTATION.

Finally, I repeat what I started with. There *ARE* no silly questions ... ask away.

There's a *LOT* of competance in this group (reason 2 of why I started it) ... just ask !!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@...
Date: Tue, 19 Oct 2010 08:48:37 +0100
Subject: RE: [eu-amsat] Hello Chris ...

Hi John, No problems, I am just willing to learn unlike some others I dare to mention! So, if I ask stupid question, please forgive me! Anyway, so should I go for the WiMo Crossed 70cms aerial and fed it with two x feeders and connect the radio end to an aerial switch for switching the two planes rather than the phasing harness? Would this help with the fading etc? Any websites for research/explaining? Chris From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 18 October 2010 22:43
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Hello Chris ... Hello Chris,
Forgive me!, I didn't realise you were here ... if I had a grain of sense! I would have, since
I'm the founder and one of the moderators of this group ... the other being GM1SXX, the intelligent one.
(I'm the good looking one) we're 'collectively' known as "The Twisted Pair" ... and we're not talking about lamp leads ... but I digress ...

I can tell you from experience that the Wimo aerials - (only insects and Americans have antenas) - are very well constructed (typical German) and for LEO linear satellites you can't beat the 6 element crossed

yagi which has exactly the same performance as 2 x 6 elements driven in parallel.

The horizontaland vertical beamwidths is 60 degrees which, in plain English means 60 degrees 'off' the boresight of the aerial your power will only have fallen to -3dB (half) ... which is as near perfect as you're going to get with an ordinary aerial for LEO use.

You only need a circularly polarised signal if there is a *LOT* of fading and Farraday rotation. Remember,
with circular polarisation a worst case scenario (cross polarisation) means a loss of 20 - 30 dB in general
(I won't go into the other aspects unless you specifically ask) wheras a worst case linear polarisation is only 3dB.

I used a 6 element WIMO crossed yagi fed as a single linear polarised aerial in conjunction with a homebrew 6 element 70cm beam with 20 watts RF fed to the aerials. I had absolutely no problems working any of the satellites from RS-10 to today's HO-68 (HEO's AO-10 and 13 included). These aerials ensured I held 3rd place on AO-7 until I migrated to other things.

the 24 countries in 10 days on HO-68 recently was with a mere 2 watts to a 5 element ELK log periodic array
WITHOUT calling CQ but using an old QRP technique of 'search and pounce' or 'tail-ending' a QSO.
The 'trick' is to learn ther timing of the changeover relay - something 75% of the operators get wrong.

Use circular by all means Chris but ask yourself ... is it really worth the time and effort?. I don't think it is on a LEO.

I stated that a circularly polarised signal is only circular in the boresight of the beam ... one gentleman forwarded the statement that a quadrifilar helical aerial is circularly polarised in all directions ... true! ...
and wouldn't it be nive if anateur satellites had them ... but they don't ... so it's hardly relavant.

The point is ... amateur satellites that transmit a circularly polarised signal do it at their venith ... in all other directions, the signal will be elliptically polarised and linear is the better all round choice.

Of course, at *CERTAIN* times you *WILL* be at the zenith - then you'll gain the odd dB in relation to a linear system ... but we're back to the question of - is it worth the effort?.

On HO-68 you can get on very well with a rusty 6" nail or a piece of wet string. If the want to increase the
radiation resistance ... strap 6 x Coca Cola cans together (old Royal Signals trick).

Hope that helps Chris.

73 John. <la2qaa@...> To: eu-amsat@yahoogroups.com
From: chris@...
Date: Mon, 18 Oct 2010 21:17:08 +0100
Subject: Re: [eu-amsat] For the attention of Mr Chris Bloy.

Hi John, I'm here!! Thanks for the info! Should of asked here first before shouting at the wider audience!! Anyway I am going to move to a smaller beam now and can this makes complete sense from what I am hearing on the linear! I am afraid I took advise from a (how do you put it John!) more power then ears station who recommend the monster!! Thanks for the advice on upgrading to the better antenna, Ie the WiMo as advised by those who use Linear satellites and not just the shoutsats! Fm work perfectly just couldn't hear my own signal on the linears!!! 73's M0DQO or Mr Chris Bloy :)

Sent from my iPhone
On 18 Oct 2010, at 20:27, John Hackett <archie.hackett@...> wrote: Earlier today, on the Amsat-bb a Mr Chris Bloy, a Brit ... an M station (I didn't register the whole callsign) was asking about switchable circular polarisation but more intriguingly mentioned that he was having trouble working LEO's on 70cm with his 19 element aerial.

Well Sir, I can assure you that circular polarisation is *NOT* the problem. The problem is uncoubtedly your beam has a far !!! too narrow horizontal and vertical beamwidth for tracking LEO's. 19 elements would be suitable for a satellite in high earth orbit but *NOT* LEO.

A stiff breeze or a rattle of the rotor and you'd miss the satellite completely. For LEO's you'd be wasting your money investing in switchable circular polarisation.

I would respectfully suggest you read up on horizontal and vertical beamwith for your aerialof choice.
6 elements is about average for LEO working and certainly no more than 10 ... and that's assuming you have
a *PRECISE* tracking system.

GOOGLE is your friend.

Perhaps some G station reading this could giove Mr Bloy a heads-up.

73 John. <la2qaa@...>

3876. Correcting an error.

Yahoo group: eu-amsat
Date: 2010-10-19 10:26:04 UTC
From: John Hackett
Topic: 3876 Message: 3876

NOTE.

When I mentioned in a recent post that GM1SXX was an instructør for the foundsation license ...
I should have added INTERMEDIATE and FULL licenses as well.

My excuse? ... I've lived in NOG (Norway) for nigh on 40 years so these designations were/are unknown
to me.

Omission corrected.

GM1SXX as many already know is the other half of OBSERVATIONS. He does all the donkeywork, I merely
sit on me' bum and take the credit. He's also the 2IC (second-in-command) of EU Amsat though I'm the
good looking one.

73 John. <la2qaa@...>

3877. Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-19 13:24:35 UTC
From: John Hackett
Topic: 3877 Message: 3877

AO-51 is still being plagued by Stations calling on top of on-going QSO's - ie - not listening! before calling CQ.

This afternoon I was in the middle of giving my Island and locator details when I was *STOMPED* on by
two Russian stations who 'obviously' didn't listen before transmitting.

ON5NY and myself waited until they'd finished and then tried to complete out contact ... same thing ...
a Russian calling CQ.

The messaged needs to be repeated over ... and over ... and over ... and over again ... until it finally
sinks in.

Propagation problem? ... I don't think so. Not bothering to listen? ... Da !!!.

LISTEN ... LISTEN ... LISTEN ... LISTEN ...LISTEN ... LISTEN ... LISTEN ... LISTEN ... LISTEN ... LISTEN

73 John.

3878. RE: [eu-amsat] Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-19 13:29:43 UTC
From: Chris Bloy
Topic: 3877 Message: 3878

This is exactly the same as I had with Walt over the weekend! Both on 27 & 51 QRP repeater! I can tell you now that they where not running QRP power!

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 19 October 2010 14:25
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Russian QRM

AO-51 is still being plagued by Stations calling on top of on-going QSO's - ie - not listening! before calling CQ.

This afternoon I was in the middle of giving my Island and locator details when I was *STOMPED* on by
two Russian stations who 'obviously' didn't listen before transmitting.

ON5NY and myself waited until they'd finished and then tried to complete out contact ... same thing ...
a Russian calling CQ.

The messaged needs to be repeated over ... and over ... and over ... and over again ... until it finally
sinks in.

Propagation problem? ... I don't think so. Not bothering to listen? ... Da !!!.

LISTEN ... LISTEN ... LISTEN ... LISTEN ...LISTEN ... LISTEN ... LISTEN ... LISTEN ... LISTEN

73 John.

3879. To the HO-68 aficiondos.

Yahoo group: eu-amsat
Date: 2010-10-19 14:38:16 UTC
From: John Hackett
Topic: 3879 Message: 3879

Folks,
I havn't heard a peep out of Alan (Kung) for 14 days now so I have no idea what's happening regarding HO-68..

The last schedule I received ended on the 17th ... since then, nothing heard.

73 John. <la2qaa@...>

3880. Re: [eu-amsat] To the HO-68 aficiondos.

Yahoo group: eu-amsat
Date: 2010-10-19 19:23:32 UTC
From: Thomas Frey
Topic: 3879 Message: 3880

John Hackett schrieb:
>
>
> Folks,
> I havn't heard a peep out of Alan (Kung) for 14 days now so I
> have no idea what's happening
> regarding HO-68..
>
> The last schedule I received ended on the 17th ... since then, nothing
> heard.
>
> 73 John. <la2qaa@...>
>

Hello John

This is the reason why I listen first to the beacon before I go on
the transponder or repeater. LISTEN... ;-)

I'm glad to repeat it:

```
Call ID ID Ch1 Ch2
-------------------
BJ1SA XW XW AAA TTT -> only beacon
BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
BJ1SA XW XW TTT ATT -> beacon + Software Upload
```

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3881. RE: [eu-amsat] To the HO-68 aficiondos.

Yahoo group: eu-amsat
Date: 2010-10-19 21:19:21 UTC
From: John Hackett
Topic: 3879 Message: 3881

QSL Thomas,
but please remember, 75 - 80% of the the FM operators can't read morse.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 19 Oct 2010 21:23:32 +0200
Subject: Re: [eu-amsat] To the HO-68 aficiondos.

John Hackett schrieb:

>

>

> Folks,

> I havn't heard a peep out of Alan (Kung) for 14 days now so I

> have no idea what's happening

> regarding HO-68..

>

> The last schedule I received ended on the 17th ... since then, nothing

> heard.

>

> 73 John. <la2qaa@...>

>

Hello John

This is the reason why I listen first to the beacon before I go on

the transponder or repeater. LISTEN... ;-)

I'm glad to repeat it:

Call ID ID Ch1 Ch2

BJ1SA XW XW AAA TTT -> only beacon

BJ1SA XW XW TTT TTA -> beacon + Lineartransponder

BJ1SA XW XW TTT TAT -> beacon + FM-Repeater

BJ1SA XW XW TTT ATT -> beacon + Software Upload

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3882. HO-68 schedule 18-24 October.

Yahoo group: eu-amsat
Date: 2010-10-20 07:44:39 UTC
From: John Hackett
Topic: 3882 Message: 3882

ALL TIMES UTC:

18 Oct 2010
==========
16:35...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
17:20...Turn Off

18:25...Turn On--FM/PACSAT
NA,East Asia,Oceania
19:10...Turn Off

22:25...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:10...Turn Off

19 Oct 2010
==========
02:05...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
02:20...Turn Off

10:25...Turn On--FM/PACSAT
Oceania,Asia,Europe
11:10...Turn Off

13:05...Turn On--FM/PACSAT
NA, South America
13:50...Turn Off

16:15...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:00...Turn Off

18:10...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:55...Turn Off

19:30...Turn On--FM/PACSAT
Africa,Europe,NA
20:15...Turn Off

20 Oct 2010
==========
00:40...Turn On--FM/PACSAT

North Asia,East Asia,South Asia
Oceania
01:25...Turn Off

01:53...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:08...Turn Off

12:45...Turn On--FM/PACSAT
Europe,NA,South America
13:30...Turn Off

16:00...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
16:45...Turn Off

17:50...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
18:35...Turn Off

19:15...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:00...Turn Off

21 Oct 2010
==========
23:40...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
00:25...Turn Off

01:36...Turn On--FM/PACSAT
Asia,Oceania
01:52...Turn Off

14:20...Turn On--FM/PACSAT
Europe,NA,South America
15:05...Turn Off

17:30...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
18:15...Turn Off

17:55...Turn On--FM/PACSAT
Africa,Europe,NA
18:40...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,NA
20:05...Turn Off

20:45...Turn On--FM/PACSAT
Africa,Europe,NA
21:30...Turn Off

22 Oct 2010
==========
23:25...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:10...Turn Off

03:10...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:25...Turn Off

12:15...Turn On--FM/PACSAT
Europe, NA,South America
13:00...Turn Off

17:15...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:00...Turn Off

19:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:50...Turn Off

20:30...Turn On--FM/PACSAT
Africa,Europe,NA
21:15...Turn Off

23:05...Turn On--FM/PACSAT
NA,North Asia, Oceania
23:50...Turn Off

23 Oct 2010
==========
02:53...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:09...Turn Off

13:45...Turn On--FM/PACSAT
Europe, NA,South America
14:30...Turn Off

16:55...Turn On--FM/PACSAT
Africa,Europe,NA
17:40...Turn Off

18:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:30...Turn Off

20:15...Turn On--FM/PACSAT
Africa,Europe,NA

21:00...Turn Off

22:50...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:35...Turn Off

24 Oct 2010
==========
02:33...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:49...Turn Off

13:25...Turn On--FM/PACSAT
Europe,NA,South America
14:10...Turn Off

3883. Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-20 08:44:12 UTC
From: ur3ctb
Topic: 3877 Message: 3883

Also same problem here, many radio amateurs from the former Soviet Union do not have good RX, thats why some orbits become made a "crazy house" hihihi)))

--- In eu-amsat@yahoogroups.com, "Chris Bloy" <chris@...> wrote:
>
> This is exactly the same as I had with Walt over the weekend! Both on 27 &
> 51 QRP repeater! I can tell you now that they where not running QRP power!
>
>
>
> From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
> Of John Hackett
> Sent: 19 October 2010 14:25
> To: eu-amsat@yahoogroups.com
> Subject: [eu-amsat] Russian QRM
>
>
>
>
>
> AO-51 is still being plagued by Stations calling on top of on-going QSO's -
> ie - not listening! before calling CQ.
>
> This afternoon I was in the middle of giving my Island and locator details
> when I was *STOMPED* on by
> two Russian stations who 'obviously' didn't listen before transmitting.
>
> ON5NY and myself waited until they'd finished and then tried to complete out
> contact ... same thing ...
> a Russian calling CQ.
>
> The messaged needs to be repeated over ... and over ... and over ... and
> over again ... until it finally
> sinks in.
>
> Propagation problem? ... I don't think so. Not bothering to listen? ... Da
> !!!.
>
> LISTEN ... LISTEN ... LISTEN ... LISTEN ...LISTEN ... LISTEN ... LISTEN ...
> LISTEN ... LISTEN ... LISTEN
>
> 73 John.
>

3884. Re: [eu-amsat] To the HO-68 aficiondos.

Yahoo group: eu-amsat
Date: 2010-10-20 10:00:07 UTC
From: Thomas Frey
Topic: 3879 Message: 3884

John Hackett schrieb:
>
>
> QSL Thomas,
> but please remember, 75 - 80% of the the FM
> operators can't read morse.
>
> 73 John. <la2qaa@...>

QSL John

I also can't read morse code by ear. I let do the decoding by my PK-232.
There are also many morse-code software for the sound card in the internet.

>
> ----------
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Tue, 19 Oct 2010 21:23:32 +0200
> Subject: Re: [eu-amsat] To the HO-68 aficiondos.
>
> John Hackett schrieb:
> >
> >
> > Folks,
> > I havn't heard a peep out of Alan (Kung) for 14 days now so I
> > have no idea what's happening
> > regarding HO-68..
> >
> > The last schedule I received ended on the 17th ... since then, nothing
> > heard.
> >
> > 73 John. <la2qaa@... <mailto:la2qaa@...>>
> >
>
> Hello John
>
> This is the reason why I listen first to the beacon before I go on
> the transponder or repeater. LISTEN... ;-)
>
> I'm glad to repeat it:
>
> Call ID ID Ch1 Ch2
> ----------
> BJ1SA XW XW AAA TTT -> only beacon
> BJ1SA XW XW TTT TTA -> beacon + Lineartransponder

> BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
> BJ1SA XW XW TTT ATT -> beacon + Software Upload
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3885. Re: [eu-amsat] Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-20 10:09:38 UTC
From: Thomas Frey
Topic: 3877 Message: 3885

There are also Chinese made long range telephones active in our
2m band in Russia. Those "radio amateurs" don't know that their
signal is picked up from a satellite.

ur3ctb schrieb:
> Also same problem here, many radio amateurs from the former Soviet Union do not have good RX, thats why some orbits become made a "crazy house" hihihi)))
>
> --- In eu-amsat@yahoogroups.com, "Chris Bloy"<chris@...> wrote:
>
>> This is exactly the same as I had with Walt over the weekend! Both on 27&
>> 51 QRP repeater! I can tell you now that they where not running QRP power!
>>
>>
>>
>>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3886. RE: [eu-amsat] To the HO-68 aficiondos.

Yahoo group: eu-amsat
Date: 2010-10-20 10:25:47 UTC
From: John Hackett
Topic: 3879 Message: 3886

You're right Thomas, I wasn't 'thinking'.

73 John <la2qaa@...>
.....

> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Wed, 20 Oct 2010 12:00:07 +0200
> Subject: Re: [eu-amsat] To the HO-68 aficiondos.
>
> John Hackett schrieb:
> >
> >
> > QSL Thomas,
> > but please remember, 75 - 80% of the the FM
> > operators can't read morse.
> >
> > 73 John. <la2qaa@...>
>
> QSL John
>
> I also can't read morse code by ear. I let do the decoding by my PK-232.
> There are also many morse-code software for the sound card in the internet.
>
> >
> > ---
> > To: eu-amsat@yahoogroups.com
> > From: th.frey@...
> > Date: Tue, 19 Oct 2010 21:23:32 +0200
> > Subject: Re: [eu-amsat] To the HO-68 aficiondos.
> >
> > John Hackett schrieb:
> > >
> > >
> > > Folks,
> > > I havn't heard a peep out of Alan (Kung) for 14 days now so I
> > > have no idea what's happening
> > > regarding HO-68..
> > >
> > > The last schedule I received ended on the 17th ... since then, nothing
> > > heard.
> > >
> > > 73 John. <la2qaa@amsat.org <mailto:la2qaa@...>>
> > >
> >

> > Hello John
> >
> > This is the reason why I listen first to the beacon before I go on
> > the transponder or repeater. LISTEN... ;-)
> >
> > I'm glad to repeat it:
> >
> > Call ID ID Ch1 Ch2
> > ---
> > BJ1SA XW XW AAA TTT -> only beacon
> > BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
> > BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
> > BJ1SA XW XW TTT ATT -> beacon + Software Upload
> >
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ---
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
> ---
>
> Yahoo! Groups Links
>
>
>

3887. Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-20 11:53:26 UTC
From: ur3ctb
Topic: 3877 Message: 3887

Thomas, Hello! What can I say? "Wild East" hihi, without comments. Also, when the satellite (AO-51/AO-27) is flying from the south, I hear a lot of Arab phones and lpd stations hihi

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> There are also Chinese made long range telephones active in our
> 2m band in Russia. Those "radio amateurs" don't know that their
> signal is picked up from a satellite.
>
>
> ur3ctb schrieb:
> > Also same problem here, many radio amateurs from the former Soviet Union do not have good RX, thats why some orbits become made a "crazy house" hihihi)))
> >
> > --- In eu-amsat@yahoogroups.com, "Chris Bloy"<chris@> wrote:
> >
> >> This is exactly the same as I had with Walt over the weekend! Both on 27&
> >> 51 QRP repeater! I can tell you now that they where not running QRP power!
> >>
> >>
> >>
> >>
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3888. Credit where it's due.

Yahoo group: eu-amsat
Date: 2010-10-20 12:43:24 UTC
From: John Hackett
Topic: 3888 Message: 3888

Not to discriminate Russian stations ...

Today, on the 201020101230Z pass of AO-51, excellent! operating technique from UA9FFF Leonid, UA9AOZ Sergey and ES8DH Robert.

Well done! chaps.

73 John. <la2qaa@...>

3889. Re: Credit where it's due.

Yahoo group: eu-amsat
Date: 2010-10-20 13:14:56 UTC
From: ur3ctb
Topic: 3888 Message: 3889

Yes John! I was hrd this pass orbit from my balcony (7el.dk7zb).
Clear AIR and no big QRM, so thats help to copy, I think...
Anyway mynes congratulations !

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Not to discriminate Russian stations ...
>
> Today, on the 201020101230Z pass of AO-51, excellent! operating technique from UA9FFF Leonid, UA9AOZ Sergey and ES8DH Robert.
>
> Well done! chaps.
>
> 73 John. <la2qaa@...>
>

3890. Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-20 19:33:30 UTC
From: yo9gjx
Topic: 3877 Message: 3890

"wild east?" hi hi
On AO27 the most qrm is from spanish fishermens. I heard what they talk. The phones are comming from south, posssible from Africa, when the bird is out of range no more qrm. In my location 26 meridian the most qrm is from south. Also, on AO51 on west passes is a strong unmodulated carrier on qrp transporder, 145.880 uplink, also on AO27 i heard one time an arabic religiouse song. The most clean birds are SO50, SO67 and HO68 because of CTCSS

3891. Re: [amsat-bb] Polarization Issues

Yahoo group: eu-amsat
Date: 2010-10-21 03:30:50 UTC
From: Luc Leblanc
Topic: 3891 Message: 3891

>And the second part of the question is: do we really need a switching or do we have a recognized standard - LHCP I think - for our sats?
>
> Thank you for suggestions, If not clear enough I'll clarify on demand, 73s from
> Marco, I4MFA - W4MFA

With a 3DB difference if you don't have the right polarization as vertical to horizontal and (vice versa) circular to vertical or horizonthal or (vice versa)
it will nor produce any significant effect in the actual satellite fleet INHO. But using left circular to right circular or (vice versa) it will give you much more
losses up to a point it will seriously impact you system performance.

If you want to work extremely weak signal as EME matching the polarization will be a key factor but not on the actual LEO sat.

I tell you this considering your planned station but those running QRP with hand held will see the difference to be off polarized as they
used antennas with minimal gain.

That's why you can see QRP'ers always twisting their antennas up to a point to develop not a tennis elbow but an Arrow wrist.

As this video show's

http://www.youtube.com/watch?v=NDAmTz5lBJY&feature=related

P.S. It is not the best demo video to present to a crowd even if W5IU (i guess) was probably making all he can to get at least on contact
but for a newbie in my shack (when i was watching the video) he told me why they don't shut off the vacuum cleaner running near him...
Not too sure if this video will even make him a future Ham! He's on MSN chatting and playing games with friends all over the world.

It will not even with a morse key that i will be able to make him leaving his MSN chat. This just hit me in the face how can we make those
young folks interested in Ham radio? I just realized he probably look at ham radio as i look to a VHF casette!!! Who cares?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3892. RE: Polarization Issues

Yahoo group: eu-amsat
Date: 2010-10-21 08:42:01 UTC
From: John Hackett
Topic: 3891 Message: 3892

Folks,
Luc is right!.

As a long time QRP'er and satellite operator I can go good for his statements. On LEO's, running CP
(circular polarisation) is 'splitting hairs' and really not worth the effort.

Using CP when running QRP *CAN* give you a slight advantage - but not much.

Do remember these two points ...

Polarisation changes when reflected - (in my case, large mountains) - and - a transmitted amateur
satellite signal traverses the ionosphere twice! ... (with everything that entails).

Google Mak's SV1BSX excellent polarisation webpages for a better understanding of polarisation.

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 20 Oct 2010 23:30:50 -0400
Subject: [eu-amsat] Re: [amsat-bb] Polarization Issues

>And the second part of the question is: do we really need a switching or do we have a recognized standard - LHCP I think - for our sats?

>

> Thank you for suggestions, If not clear enough I'll clarify on demand, 73s from

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If you want to work extremely weak signal as EME matching the polarization will be a key factor but not on the actual LEO sat.

I tell you this considering your planned station but those running QRP with hand held will see the difference to be off polarized as they

used antennas with minimal gain.

That's why you can see QRP'ers always twisting their antennas up to a point to develop not a tennis elbow but an Arrow wrist.

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P.S. It is not the best demo video to present to a crowd even if W5IU (i guess) was probably making all he can to get at least on contact

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It will not even with a morse key that i will be able to make him leaving his MSN chat. This just hit me in the face how can we make those

young folks interested in Ham radio? I just realized he probably look at ham radio as i look to a VHF casette!!! Who cares?

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

3893. More on circular polarisation.

Yahoo group: eu-amsat
Date: 2010-10-21 11:44:34 UTC
From: John Hackett
Topic: 3893 Message: 3893

Group,
I see the polarisation issue on the Amsat-bb is being beaten to death ... again!.

This time, the delay/phasing line seems to be causing the confusion.

FACT.

YOU DON'T HAVE TO USE A PHASING LINE TO ACHEAVE CIRCULAR POLARISATION.

You can mount the aerials - (antennnas if you're an insect, or American) - an electrical quarter wavelength
one in front of the other - with appropriate counterwights to keep an even torque on your rotor.

Depending which polarisation is the leading one (in ELECRICAL degrees) will decide ehether you have LHCP or RHCP.

On AO-51 different transponders use different polarisation. See my earlier remarks about cross polarisation
vis-a-vis linear polarisation.

Be aware! ... circular polarisation on an LEO under normal circumstances is a waste of time and money.
It's only good for the boast - "Mine''s bigger than yours!" - if you're only interested in 'communicating' ...
forget it!.

73 John. <la2qaa@...>

3894. Welcome!.

Yahoo group: eu-amsat
Date: 2010-10-21 12:32:34 UTC
From: John Hackett
Topic: 3894 Message: 3894

EU Amsat welcomes Andrew RA1AKR.

Check out his QSL on QRZ.COM

I enjoyed a trip on such a boat on the Volga in the city of Saratov.

73 John. <la2qaa@...>

3895. Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-21 19:36:47 UTC
From: m5aka
Topic: 3877 Message: 3895

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
> The most clean birds are SO50, SO67 and HO68 because of CTCSS

But these satellites are also the least useful because you don't know when they are being blocked by unlicenced transmissions.

I appreciate there may be good reasons for using CTCSS due to a satellites power budget but such satellites tell us nothing about the abuse of the Amateur Radio frequencies in various parts of the world.

Where power budget allows satellites should avoid using CTCSS. An open system allows the Amateur community to monitor illegal use of our frequencies in various parts of the world.

73 Trevor M5AKA

3896. Re: [eu-amsat] Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-21 20:47:59 UTC
From: Thomas Frey
Topic: 3877 Message: 3896

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, "yo9gjx"<yo9gjx@...> wrote:
>
>> The most clean birds are SO50, SO67 and HO68 because of CTCSS
>>
> But these satellites are also the least useful because you don't know when they are being blocked by unlicenced transmissions.
>
> I appreciate there may be good reasons for using CTCSS due to a satellites power budget but such satellites tell us nothing about the abuse of the Amateur Radio frequencies in various parts of the world.
>
> Where power budget allows satellites should avoid using CTCSS. An open system allows the Amateur community to monitor illegal use of our frequencies in various parts of the world.
>
> 73 Trevor M5AKA
>
>
Hello Trevor

I see you are on the same line as Drew Glasbrenner is. I don't think this satellites are the least useful ones because of CTCSS.

SO-50 has lost its stabilization since a long time. Alas there are no informations available from Saudi Arabia. But I think this is the reason.

SO-67 was too less activated to analyse anything. There was also many errors on the satellite.

HO-68 not successful because of CTCSS ? Sorry, that's rubbish.

I'm QRV every weekend and hear QRM only via AO-27 and AO-51. I agree with Florian. If the repeater has an intelligent constructed CTCSS squelch, then it blocks the QRM effectively. It could be, that the CTCSS-squelch in AO-51 is a misconstruction and that's the reason, why Mr Glasbrenner don't switch it on. I had a discussion with him about this. It's not our primary task to find intruders, we are no intrude watchers nor police men. Can you arrest all intruders with such a telephone in Russia ? Probably not. But it's OK, if we find an intruder, to report it to our local intruder watch.

--

Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3897. Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-21 21:34:19 UTC
From: m5aka
Topic: 3877 Message: 3897

Hi Thomas,

It is only because some satellites are open access that we know that unlicenced interference exists in some countries.

CTCSS means you don't know about unlicenced activity in our bands.

I'd argue that the Amateur Radio community is better off knowing the unlicence activity exists and the areas it's coming from.

If we don't know about it no action will ever be taken and the unlicenced use of our bands will spread.

Several years ago Ib OZ1MY was able to produce a world map showing where interference to the Amateur Satellite Service occurred. He was only able to do this by monitoring Open Satellites, CTCSS sats provide no data.

73 Trevor M5AKA

3898. Re: [eu-amsat] Re: Russian QRM

Yahoo group: eu-amsat
Date: 2010-10-21 23:00:30 UTC
From: Thomas Frey
Topic: 3877 Message: 3898

m5aka schrieb:
> Hi Thomas,
>
> It is only because some satellites are open access that we know that unlicenced interference exists in some countries.
>
> CTCSS means you don't know about unlicenced activity in our bands.
>
> I'd argue that the Amateur Radio community is better off knowing the unlicence activity exists and the areas it's coming from.
>
> If we don't know about it no action will ever be taken and the unlicenced use of our bands will spread.
>
> Several years ago Ib OZ1MY was able to produce a world map showing where interference to the Amateur Satellite Service occurred. He was only able to do this by monitoring Open Satellites, CTCSS sats provide no data.
>
> 73 Trevor M5AKA
>
>
OK Trevor, I understand your point. But this satellites are for users
who want to make QSO's and not listen to private telephone calls,
fisher men, taxi driver aso. I can accept if there will be one or two
days in a week reserved only for intruder watchers without CTCSS. But
how do you handle this days ?
("CQ CQ CQ SATELLITE .... OOOOOOOOOOOLA") ;-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3899. My threppence worth.

Yahoo group: eu-amsat
Date: 2010-10-22 09:01:28 UTC
From: John Hackett
Topic: 3877 Message: 3899

CTCSS or not to CTCSS - that is the question ...

IMHO HO-68 is the most popular (and versatile) satellite ... and yes, it uses CTCSS

99.99% of *QRM* on the FM satellites is from RADIO AMATEURS who have *NOT* taken the trouble to learn how to operate on satellites ... where a RECEIVER is all importand - and actually LISTENING to it
is mandatory for successful contacts.

Have you not noticed that the CQ SATELLITE ... CQ SATELLITE clowns only manage to work other
CQ SATELLITE alligators.

73 Johnn <la2qaa@...>

My o9pinion.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 22 Oct 2010 01:00:30 +0200
Subject: Re: [eu-amsat] Re: Russian QRM

m5aka schrieb:

> Hi Thomas,

>

> It is only because some satellites are open access that we know that unlicenced interference exists in some countries.

>

> CTCSS means you don't know about unlicenced activity in our bands.

>

> I'd argue that the Amateur Radio community is better off knowing the unlicence activity exists and the areas it's coming from.

>

> If we don't know about it no action will ever be taken and the unlicenced use of our bands will spread.

>

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>

> 73 Trevor M5AKA

>

>

OK Trevor, I understand your point. But this satellites are for users

who want to make QSO's and not listen to private telephone calls,

fisher men, taxi driver aso. I can accept if there will be one or two

days in a week reserved only for intruder watchers without CTCSS. But

how do you handle this days ?

("CQ CQ CQ SATELLITE .... OOOOOOOOOOOLA") ;-)

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3900. AW: [eu-amsat] My threppence worth.

Yahoo group: eu-amsat
Date: 2010-10-22 10:18:13 UTC
From: Mike Rupprecht
Topic: 3877 Message: 3900
Attachments: 2 described; binary payloads are missing from this source WARC

All,

I agree with John. Most QRM comes from ourselves.
Sure, you can hear the fisher men and taxi drivers, etc... But their signals
are much weaker than ours. I have rarely heard that these people disrupt a
QSO. Those who push the PTT, whistle or call olaaa ☐ disturbing much more.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Freitag, 22. Oktober 2010 11:01
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] My threppence worth.

CTCSS or not to CTCSS - that is the question ...

IMHO HO-68 is the most popular (and versatile) satellite ... and yes, it
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taken the trouble to learn how to operate on satellites ... where a RECEIVER
is all importand - and actually LISTENING to it
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Have you not noticed that the CQ SATELLITE ... CQ SATELLITE clowns only
manage to work other
CQ SATELLITE alligators.

73 Johnn <la2qaa@...>

My o9pinion.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Fri, 22 Oct 2010 01:00:30 +0200
Subject: Re: [eu-amsat] Re: Russian QRM

m5aka schrieb:
> Hi Thomas,
>

> It is only because some satellites are open access that we know that
unlicenced interference exists in some countries.
>
> CTCSS means you don't know about unlicenced activity in our bands.
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> I'd argue that the Amateur Radio community is better off knowing the
unlicence activity exists and the areas it's coming from.
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> Several years ago Ib OZ1MY was able to produce a world map showing where
interference to the Amateur Satellite Service occurred. He was only able to
do this by monitoring Open Satellites, CTCSS sats provide no data.
>
> 73 Trevor M5AKA
>
>
OK Trevor, I understand your point. But this satellites are for users
who want to make QSO's and not listen to private telephone calls,
fisher men, taxi driver aso. I can accept if there will be one or two
days in a week reserved only for intruder watchers without CTCSS. But
how do you handle this days ?
("CQ CQ CQ SATELLITE .... OOOOOOOOOOOLA") ;-)

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3901. Re: My threppence worth.

Yahoo group: eu-amsat
Date: 2010-10-22 12:41:02 UTC
From: ur3ctb
Topic: 3877 Message: 3901

Hello, Mike (DK3WN)!
I agree with you on 100%)
Our signal is very big signal hihi

73! de Sergey
UR3CTB

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
>
> All,
>
>
>
> I agree with John. Most QRM comes from ourselves.
> Sure, you can hear the fisher men and taxi drivers, etc... But their signals
> are much weaker than ours. I have rarely heard that these people disrupt a
> QSO. Those who push the PTT, whistle or call olaaa □ disturbing much more.
>
>
>
> 73, Mike
>
> DK3WN
>
>
>
> Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
> von John Hackett
> Gesendet: Freitag, 22. Oktober 2010 11:01
> An: eu-amsat@yahoogroups.com
> Betreff: [eu-amsat] My threppence worth.
>
>
>
>
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> CTCSS or not to CTCSS - that is the question ...
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> IMHO HO-68 is the most popular (and versatile) satellite ... and yes, it
> uses CTCSS
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> 99.99% of *QRM* on the FM satellites is from RADIO AMATEURS who have *NOT*
> taken the trouble to learn how to operate on satellites ... where a RECEIVER
> is all importand - and actually LISTENING to it
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> Have you not noticed that the CQ SATELLITE ... CQ SATELLITE clowns only
> manage to work other
> CQ SATELLITE alligators.
>
> 73 Johnn <la2qaa@...>
>
> My o9pinion.
>
> 73 John. <la2qaa@...>
>
> _____
>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Fri, 22 Oct 2010 01:00:30 +0200
> Subject: Re: [eu-amsat] Re: Russian QRM
>
>
>
> m5aka schrieb:
> > Hi Thomas,
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> > It is only because some satellites are open access that we know that
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> > 73 Trevor M5AKA
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> days in a week reserved only for intruder watchers without CTCSS. But
> how do you handle this days ?
> ("CQ CQ CQ SATELLITE .... OOOOOOOOOOOOLA") ;-)
>
> --

>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3902. Re: My threppence worth.

Yahoo group: eu-amsat
Date: 2010-10-22 12:44:36 UTC
From: ur3ctb
Topic: 3877 Message: 3902

```
Hello, Mike (DK3WN)!
I agree with you on 100%
Our signal is very big signal hihi

73! de Sergey
ur3ctb
```

--- In eu-amsat@yahoogroups.com, "Mike Rupprecht" <mail@...> wrote:
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> All,
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>
>
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> are much weaker than ours. I have rarely heard that these people disrupt a
> QSO. Those who push the PTT, whistle or call olaaa ☐ disturbing much more.
>
>
>
> 73, Mike
>
> DK3WN
>
>
>
> Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
> von John Hackett
> Gesendet: Freitag, 22. Oktober 2010 11:01
> An: eu-amsat@yahoogroups.com
> Betreff: [eu-amsat] My threppence worth.
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>
> CTCSS or not to CTCSS - that is the question ...
>
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> taken the trouble to learn how to operate on satellites ... where a RECEIVER
> is all importand - and actually LISTENING to it
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> 73 Johnn <la2qaa@...>
>
> My o9pinion.
>
> 73 John. <la2qaa@...>
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>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Fri, 22 Oct 2010 01:00:30 +0200
> Subject: Re: [eu-amsat] Re: Russian QRM
>
>
>
> m5aka schrieb:
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> >
> > 73 Trevor M5AKA
> >
> >
> OK Trevor, I understand your point. But this satellites are for users
> who want to make QSO's and not listen to private telephone calls,
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> days in a week reserved only for intruder watchers without CTCSS. But
> how do you handle this days ?
> ("CQ CQ CQ SATELLITE .... OOOOOOOOOOOOLA") ;-)
>
> --

>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

3903. That's !!! how to do it.

Yahoo group: eu-amsat
Date: 2010-10-22 13:14:48 UTC
From: John Hackett
Topic: 3903 Message: 3903

Group,
You really should! have heard DK3WN work the 12:50Z AO-51 pass.

Now that's !!!! how to operate a satellite.

If you hear Mike ... listen and learn !!!.

73 John. <la2qaa@...>

3904. Welcome.

Yahoo group: eu-amsat
Date: 2010-10-22 13:28:07 UTC
From: John Hackett
Topic: 684 Message: 3904

EU Amsat welcomes G3XAP.

I'm sure you'll find something here of interest.

73 John. <la2qaa@...>

3905. Re: [eu-amsat] Welcome.

Yahoo group: eu-amsat
Date: 2010-10-22 15:03:50 UTC
From: phil ashton
Topic: 684 Message: 3905

Thanks John,

I've only had 2 QSOs to date - both through AO-7. One was Mode A and the other Mode B.

Hope to work you through one of the birds soon.

73, Phil G3XAP

From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Fri, 22 October, 2010 14:28:07
Subject: [eu-amsat] Welcome.

EU Amsat welcomes G3XAP.

I'm sure you'll find something here of interest.

73 John. <la2qaa@...>

3906. Re: [amsat-bb] Re: AO-51 short experiment

Yahoo group: eu-amsat
Date: 2010-10-25 02:44:51 UTC
From: Luc Leblanc
Topic: 3906 Message: 3906

On 24 Oct 2010 at 14:51, Vince Fiscus, KB7ADL wrote:

Date sent: Sun, 24 Oct 2010 14:51:26 -0700
From: "Vince Fiscus, KB7ADL" <vlfiscus@...>
Subject: [amsat-bb] Re: AO-51 short experiment
To: amsat-bb@...

> At 11:09 AM 10/24/2010 -0700, Bob Herrell <nk7i@...> wrote:
> >Any chance we could get the ISS to change their packet frequency?
> >
> >73,
> >Bob Herrell
> >AJ5C
>
> No,
>
> The APRS QRM'ers with their unattended beacons are the problem. Years ago
> I said APRS was bad, but I never thought it would ever get this

In this "disclosure" new trend even APRS an 1980 old fashion "now" innovation just became a debit VS credit issue.

There is nothing against new communication mode as CW is but there will be always some to pretend the Darwin theory of evolution is wrong.

But who are we to voices opinion against the creator?

P.S. This message ia also posted on the Yahoo discussion group at
http://groups.yahoo.com/group/eu-amsat/
only serving as a living proof that even the creator can be wrong when he should not be...
It is the Lou Dobbs syndrome and it is related
to insects.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3907. HO-68 Schedule 24-31 October

Yahoo group: eu-amsat
Date: 2010-10-25 10:09:37 UTC
From: John Hackett
Topic: 3907 Message: 3907

ALL TIMES UTC.

24 Oct 2010
==========
16:40...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:25...Turn Off

18:30...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:15...Turn Off

19:55...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:40...Turn Off

22:35...Turn On--CW/SSB
South America,NA,North Asia
23:20...Turn Off

25 Oct 2010
==========
02:11...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:26...Turn Off

13:10...Turn On--CW/SSB
NA,South America
13:55...Turn Off

16:25...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:10...Turn Off

18:15...Turn On--CW/SSB
NA,East Asia,Oceania
19:00...Turn Off

26 Oct 2010
==========
00:05...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
00:50...Turn Off

02:04...Turn On--CW/SSB
North Asia, East Asia,South Asia
02:19...Turn Off

10:15...Turn On--CW/SSB
Oceania,Asia,Europe
11:00...Turn Off

12:55...Turn On--CW/SSB
NA, South America
13:40...Turn Off

16:05...Turn On--CW/SSB
India,Middle East,Europe,NA
16:50...Turn Off

18:40...Turn On--CW/SSB
India,Middle East,Europe,NA
19:25...Turn Off

19:35...Turn On--CW/SSB
Africa,Europe,NA
20:15...Turn Off

27 Octp 2010
==========
23:45...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
00:30...Turn Off

03:31...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:45...Turn Off

14:25...Turn On--CW/SSB
Europe,NA,South America
15:10...Turn Off

17:40...Turn On--CW/SSB
India, Africa,Europe,NA
South America
18:25...Turn Off

19:25...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:10...Turn Off

20:55...Turn On--CW/SSB
Africa,Middle East,Europe,NA
21:40...Turn Off

28 Oct 2010
==========

23:30...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
00:15...Turn Off

03:15...Turn On--CW/SSB
Asia,Oceania
03:27...Turn Off

14:10...Turn On--CW/SSB
Europe,NA,South America
14:55...Turn Off

17:20...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
18:05...Turn Off

19:10...Turn On--CW/SSB
Africa,Europe,NA
19:55...Turn Off

20:35...Turn On--CW/SSB
Africa,Europe,NA
21:20...Turn Off

29 Oct 2010
==========
23:15...Turn On--CW/SSB
Oceania,Asia,Europe,NA
00:00...Turn Off

02:59...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:13...Turn Off

13:50...Turn On--CW/SSB
Europe, NA,South America
14:35...Turn Off

17:05...Turn On--CW/SSB
India,Africa,Europe,NA
17:50...Turn Off

18:55...Turn On--CW/SSB
India,Africa,Europe,NA
19:40...Turn Off

20:20...Turn On--CW/SSB
Africa,Europe,NA
21:05...Turn Off

22:55...Turn On--CW/SSB
South America,NA,North Asia

23:40...Turn Off

30 Oct 2010
==========
02:44...Turn On--FM
North Asia,East Asia,South Asia
03:00...Turn Off

13:35...Turn On--CW/SSB
Europe, NA,South America
14:20...Turn Off

16:45...Turn On--CW/SSB
Africa,Europe,NA
17:30...Turn Off

18:35...Turn On--CW/SSB
India,Africa,Europe,NA
19:20...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,NA
20:45...Turn Off

22:40...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
23:25...Turn Off

31 Oct 2010
==========
02:26...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
02:42...Turn Off

13:15...Turn On--CW/SSB
Europe,NA,South America
14:00...Turn Off

3908. Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-26 13:19:21 UTC
From: st2nh
Topic: 3908 Message: 3908

Subject: [amsat-bb] Project Oscar Uk
From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxxx>
Date: Mon, 25 Oct 2010 17:29:18 +0100

Hi All,

I have recently launched a new project in the UK call Project Oscar to promote Amateur Satellite service here in the UK. After all the talk of abuse and use of satellite in Europe, I hope to bring something to the market! Its aimed at beginners and we do work with Scouts and local radio clubs to promote better usage and practice! I cannot talk for the rest of Europe, but I will do my best in the UK!

Please have a look and make any suggestions.

http://www.projectoscar.co.uk

Thanks,

Chris
Project Oscar UK

3909. Re: [eu-amsat] Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-26 13:55:14 UTC
From: Chris Bloy
Topic: 3908 Message: 3909

Thanks Nader! I meant to post here too!

Chris m0dqo

Sent from my iPhone

On 26 Oct 2010, at 14:19, "st2nh" <st2nh@...> wrote:

> Subject: [amsat-bb] Project Oscar Uk
> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxxx>
> Date: Mon, 25 Oct 2010 17:29:18 +0100
>
> ---
>
> Hi All,
>
> I have recently launched a new project in the UK call Project Oscar to
> promote Amateur Satellite service here in the UK. After all the talk of
> abuse and use of satellite in Europe, I hope to bring something to the
> market! Its aimed at beginners and we do work with Scouts and local radio
> clubs to promote better usage and practice! I cannot talk for the rest of
> Europe, but I will do my best in the UK!
>
> Please have a look and make any suggestions.
>
> http://www.projectoscar.co.uk
>
> Thanks,
>
> Chris
> Project Oscar UK
>
>

3910. Re: Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-27 00:42:51 UTC
From: ur3ctb
Topic: 3908 Message: 3910

Hello Nader! Nice to meet you here and thanks for info..
de ur3ctb Sergey

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Subject: [amsat-bb] Project Oscar Uk
> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxxx>
> Date: Mon, 25 Oct 2010 17:29:18 +0100
>
> ---
>
> Hi All,
>
> I have recently launched a new project in the UK call Project Oscar to
> promote Amateur Satellite service here in the UK. After all the talk of
> abuse and use of satellite in Europe, I hope to bring something to the
> market! Its aimed at beginners and we do work with Scouts and local radio
> clubs to promote better usage and practice! I cannot talk for the rest of
> Europe, but I will do my best in the UK!
>
> Please have a look and make any suggestions.
>
> http://www.projectoscar.co.uk
>
> Thanks,
>
> Chris
> Project Oscar UK
>

3911. Re: Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-27 05:57:21 UTC
From: LA2MOA
Topic: 3908 Message: 3911

Good initiative, but if other countries doesn't follow, I'm afraid that it will not improve the general situation - especially on the FM-birds. It's not operators from the UK or northern Europe who are causing the chaos on these birds - it's generally stations in southern and eastern Europe.

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Subject: [amsat-bb] Project Oscar Uk
> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxx>
> Date: Mon, 25 Oct 2010 17:29:18 +0100
>
> ---
>
> Hi All,
>
> I have recently launched a new project in the UK call Project Oscar to
> promote Amateur Satellite service here in the UK. After all the talk of
> abuse and use of satellite in Europe, I hope to bring something to the
> market! Its aimed at beginners and we do work with Scouts and local radio
> clubs to promote better usage and practice! I cannot talk for the rest of
> Europe, but I will do my best in the UK!
>
> Please have a look and make any suggestions.
>
> http://www.projectoscar.co.uk
>
> Thanks,
>
> Chris
> Project Oscar UK
>

3912. WET BLANKET on Project Oscar.

Yahoo group: eu-amsat
Date: 2010-10-27 08:29:59 UTC
From: John Hackett
Topic: 3908 Message: 3912

Hello Hans (and Chris!)
I wonder if Chris (Bloy) realises that 'Project Oscar' is a registered trademark.

I hope he's got permission to use it otherwise he may soon be looking at a lawsuit for a few million dollars.

Project Oscar was started in the Bay Area (San Francisco) by W0EEC (now N1DID), K7RR and KF4OTN in 1961 and to the best of my knowledge is still going strong.

They may (or may not) appreciate somebody else using the name. Personally, I'd check.

For all I know, Chris may have already received permission to use the name.

It's been a while since I was in contact with Emily (N1DID) so (I don't know how she feels about it but
if I was unsure ... I'd check because I don't have a million dollars lying around at the moment..

Sorry if I came across as a wet blanket but my intentions are good.

For those unfamiliar with colloquial English ... 'wet blanket' = putting a damper on the enthusiasm - but
well meaning.

73 John. <la2qaa@...>
73 John.
73 John

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Wed, 27 Oct 2010 05:57:21 +0000
Subject: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Good initiative, but if other countries doesn't follow, I'm afraid that it will not improve the general situation - especially on the FM-birds. It's not operators from the UK or northern Europe who are causing the chaos on these birds - it's generally stations in southern and eastern Europe.

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:

>

> Subject: [amsat-bb] Project Oscar Uk

> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxxx>

> Date: Mon, 25 Oct 2010 17:29:18 +0100

>

> ----------

>

> Hi All,

>

> I have recently launched a new project in the UK call Project Oscar to

> promote Amateur Satellite service here in the UK. After all the talk of

> abuse and use of satellite in Europe, I hope to bring something to the

> market! Its aimed at beginners and we do work with Scouts and local radio

> clubs to promote better usage and practice! I cannot talk for the rest of

> Europe, but I will do my best in the UK!

>

> Please have a look and make any suggestions.

>

> http://www.projectoscar.co.uk

>

> Thanks,

>

> Chris

> Project Oscar UK

>

3913. A point tp ponder ...

Yahoo group: eu-amsat
Date: 2010-10-27 09:15:20 UTC
From: John Hackett
Topic: 3913 Message: 3913

Gentlemen ... (and Hans),
I was just copying HO-68 using 2 x wet matchsticks as an aerial ...
As usual, a *THUNDERING* signal with it's 200mW beacon.

How these 100 watt Yo-Yo's fail to hear the usual crop of decent operators answering them is beyond my comprehension.

They really *MUST* learn to take the bananas out of their ears ... or buy a receiver (!) to use in conjunction with the transmitter.

I've been led to believe that *LISTENING* after every fifth call 'sometimes' works too ... but that's probably
just a rumour.

73 John. <la2qaa@...>

3914. RE: [eu-amsat] WET BLANKET on Project Oscar.

Yahoo group: eu-amsat
Date: 2010-10-27 09:22:13 UTC
From: Chris Bloy
Topic: 3908 Message: 3914

Hi John,

Thank you for your email and information. I have tried to contact the US project Oscar for which is no longer from the information I have researched a registered trademark.

I will continue to try as I have sent a number of emails to Amsat US and UK but not had any response. The original club is no longer active but has been reformed as a club that appears to no longer meet.

Unless I hear anything negative, I will try and continue to run the site.

All the best,

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 27 October 2010 09:30
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] WET BLANKET on Project Oscar.

Hello Hans (and Chris!)
I wonder if Chris (Bloy) realises that
'Project Oscar' is a registered trademark.

I hope he's got permission to use it otherwise he may soon be looking at a lawsuit for a few million dollars.

Project Oscar was started in the Bay Area (San Francisco) by W0EEC (now N1DID), K7RR and KF4OTN in 1961 and to the best of my knowledge is still going strong.

They may (or may not) appreciate somebody else using the name. Personally, I'd check.

For all I know, Chris may have already received permission to use the name.

It's been a while since I was in contact with Emily (N1DID) so (I don't know how she feels about it but
if I was unsure ... I'd check because I don't have a million dollars lying around at the moment..

Sorry if I came across as a wet blanket but my intentions are good.

For those unfamiliar with colloquial English ... 'wet blanket' = putting a damper on the enthusiasm - but
well meaning.

73 John. <la2qaa@...>
73 John.
73 John

To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Wed, 27 Oct 2010 05:57:21 +0000
Subject: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Good initiative, but if other countries doesn't follow, I'm afraid that it will not improve the general situation - especially on the FM-birds. It's not operators from the UK or northern Europe who are causing the chaos on these birds - it's generally stations in southern and eastern Europe.

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Subject: [amsat-bb] Project Oscar Uk
> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxx>
> Date: Mon, 25 Oct 2010 17:29:18 +0100
>
> ---
>
> Hi All,
>
> I have recently launched a new project in the UK call Project Oscar to
> promote Amateur Satellite service here in the UK. After all the talk of
> abuse and use of satellite in Europe, I hope to bring something to the
> market! Its aimed at beginners and we do work with Scouts and local radio
> clubs to promote better usage and practice! I cannot talk for the rest of
> Europe, but I will do my best in the UK!
>
> Please have a look and make any suggestions.
>
> http://www.projectoscar.co.uk
>
> Thanks,
>
> Chris
> Project Oscar UK
>

3915. Re: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-27 10:41:09 UTC
From: Thomas Frey
Topic: 3908 Message: 3915

Hello All

For the German language reading HAMs around the world I write
the OSCAR-News (international title) since more than 20 years
now. First for Swiss, Austrian and German HAMs via Packet Radio
and then international via Internet. I'm also the editor of
the worlds largest and most actual amateur satellite list for
launched and coming satellites at the AMSAT-DL homepage. This
is my "Project OSCAR" (please write OSCAR in capital letters)
for you all.

This will be only a platform for information but never a
"handbook for correct satellite operation". We all are adultly
Gentlemen and not in a kindergarten (I hope so).

Below in the footer you can find my website with all the links.

LA2MOA schrieb:
> Good initiative, but if other countries doesn't follow, I'm afraid that it will not
improve the general situation - especially on the FM-birds. It's not operators from the UK
or northern Europe who are causing the chaos on these birds - it's generally stations in
southern and eastern Europe.
>
> Hans / LA2MOA
>
> --- In eu-amsat@yahoogroups.com, "st2nh"<st2nh@...> wrote:
>
>> Subject: [amsat-bb] Project Oscar Uk
>> From: "Chris Bloy"<chris@xxxxxxxxxxxxxxxx>
>> Date: Mon, 25 Oct 2010 17:29:18 +0100
>>
>> ---
>>
>> Hi All,
>>
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>> promote Amateur Satellite service here in the UK. After all the talk of
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>> market! Its aimed at beginners and we do work with Scouts and local radio
>> clubs to promote better usage and practice! I cannot talk for the rest of
>> Europe, but I will do my best in the UK!
>>
>> Please have a look and make any suggestions.
>>
>> http://www.projectoscar.co.uk
>>

>> Thanks,
>>
>> Chris
>> Project Oscar UK
>>
>>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3916. RE: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-27 11:01:39 UTC
From: Chris Bloy
Topic: 3908 Message: 3916

Hi Thomas,

Are you saying that I should stick to the OSCAR as capital too then?

I am more than happy to do this, I didn□t mean to make a scene just promote
this part of the hobby to my local clubs and scout groups?

Chris

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of Thomas Frey
Sent: 27 October 2010 11:41
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Hello All

For the German language reading HAMs around the world I write
the OSCAR-News (international title) since more than 20 years
now. First for Swiss, Austrian and German HAMs via Packet Radio
and then international via Internet. I'm also the editor of
the worlds largest and most actual amateur satellite list for
launched and coming satellites at the AMSAT-DL homepage. This
is my "Project OSCAR" (please write OSCAR in capital letters)
for you all.

This will be only a platform for information but never a
"handbook for correct satellite operation". We all are adultly
Gentlemen and not in a kindergarten (I hope so).

Below in the footer you can find my website with all the links.

LA2MOA schrieb:
> Good initiative, but if other countries doesn't follow, I'm afraid that it
will not improve the general situation - especially on the FM-birds. It's
not operators from the UK or northern Europe who are causing the chaos on
these birds - it's generally stations in southern and eastern Europe.
>
> Hans / LA2MOA
>
> --- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> ,
"st2nh"<st2nh@...> wrote:
>
>> Subject: [amsat-bb] Project Oscar Uk
>> From: "Chris Bloy"<chris@xxxxxxxxxxxxxxxxx>
>> Date: Mon, 25 Oct 2010 17:29:18 +0100
>>

>> ----------
>>
>> Hi All,
>>
>> I have recently launched a new project in the UK call Project Oscar to
>> promote Amateur Satellite service here in the UK. After all the talk of
>> abuse and use of satellite in Europe, I hope to bring something to the
>> market! Its aimed at beginners and we do work with Scouts and local radio
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>>
>> Please have a look and make any suggestions.
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>> http://www.projectoscar.co.uk
>>
>> Thanks,
>>
>> Chris
>> Project Oscar UK
>>
>>

--

Mit freundlichen Grüssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3917. Re: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Yahoo group: eu-amsat
Date: 2010-10-27 12:17:24 UTC
From: Thomas Frey
Topic: 3908 Message: 3917

Chris Bloy schrieb:
>
>
> Hi Thomas,
>
> Are you saying that I should stick to the OSCAR as capital too then?
>

Hello Chris

Yes please. It means "Orbiting Satellite Carrying Amateur Radio"
and has nothing to do with the firstname Oscar or Oskar. I have
also seen "Oskar-News" on a Swiss website - grrrr ;-)

> I am more than happy to do this, I didn?t mean to make a scene just
> promote this part of the hobby to my local clubs and scout groups?
>
> Chris
>
>
That's super. If you get any "Thanks for..." its a wonderful "job".
I write my news to learn English. Now my "write'n'read" English is
better than my listen English.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3918. RE: [eu-amsat] WET BLANKET on Project Oscar.

Yahoo group: eu-amsat
Date: 2010-10-27 14:57:33 UTC
From: John Hackett
Topic: 3908 Message: 3918

FB !! Chris,
Glad you realised the mail was well meant. Wouldn't like to see a fellow Brit knackered by American 'politics'.

As for the initiative, well done! ... Hans is right, the UK operators are in general pretty good, as he says,
it's the southern & eastern European operators that need to take the bananas out of their ears.

It can onlyt be a good thing publishing recommended operating proceedure.

I tried to get Amsat-UK to do it in the 90's when I was involved with Oscar News but it was akin to
urinating into the wind.

The old boys club and all that, old boy (!) ... I do hope things have changed though in the last 20 years.

I wish you good luck Chris.

Remember ... it's easier to ask for forgiveness than ask for permission.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: chris@...
Date: Wed, 27 Oct 2010 10:22:13 +0100
Subject: RE: [eu-amsat] WET BLANKET on Project Oscar.

Hi John, Thank you for your email and information. I have tried to contact the US project Oscar for which is no longer from the information I have researched a registered trademark. I will continue to try as I have sent a number of emails to Amsat US and UK but not had any response. The original club is no longer active but has been reformed as a club that appears to no longer meet. Unless I hear anything negative, I will try and continue to run the site. All the best,
Chris From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of John Hackett
Sent: 27 October 2010 09:30
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] WET BLANKET on Project Oscar. Hello Hans (and Chris!)
I wonder if Chris (Bloy) realises that 'Project Oscar' is a registered trademark.

I hope he's got permission to use it otherwise he may soon be looking at a lawsuit for a few million dollars.

Project Oscar was started in the Bay Area (San Francisco) by W0EEC (now N1DID), K7RR and KF4OTN in 1961 and to the best of my knowledge is still going strong.

They may (or may not) appreciate somebody else using the name. Personally, I'd check.

For all I know, Chris may have already received permission to use the name.

It's been a while since I was in contact with Emily (N1DID) so (I don't know how she feels about it but
if I was unsure ... I'd check because I don't have a million dollars lying around at the moment..

Sorry if I came across as a wet blanket but my intentions are good.

For those unfamiliar with colloquial English ... 'wet blanket' = putting a damper on the enthusiasm - but
well meaning.

73 John. <la2qaa@...>
73 John.
73 JohnTo: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Wed, 27 Oct 2010 05:57:21 +0000
Subject: [eu-amsat] Re: Subject: [amsat-bb] Project Oscar Uk

Good initiative, but if other countries doesn't follow, I'm afraid that it will not improve the general situation - especially on the FM-birds. It's not operators from the UK or northern Europe who are causing the chaos on these birds - it's generally stations in southern and eastern Europe.

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, "st2nh" <st2nh@...> wrote:
>
> Subject: [amsat-bb] Project Oscar Uk
> From: "Chris Bloy" <chris@xxxxxxxxxxxxxxxx>
> Date: Mon, 25 Oct 2010 17:29:18 +0100
>
> ---
>
> Hi All,
>
> I have recently launched a new project in the UK call Project Oscar to
> promote Amateur Satellite service here in the UK. After all the talk of
> abuse and use of satellite in Europe, I hope to bring something to the
> market! Its aimed at beginners and we do work with Scouts and local radio
> clubs to promote better usage and practice! I cannot talk for the rest of
> Europe, but I will do my best in the UK!
>
> Please have a look and make any suggestions.
>
> http://www.projectoscar.co.uk
>
> Thanks,
>
> Chris

> Project Oscar UK
>

3919. ARRISAT decay time?

Yahoo group: eu-amsat
Date: 2010-10-28 07:05:47 UTC
From: Luc Leblanc
Topic: 3919 Message: 3919

The first suitsat remain in space for one year. As ARISSAT will have more mass but less surface can we expected a longer life? I know that
a part of this ARISSAT experiment will be a test platform i only hope it will not be a test platform for the next ARISSAT who will be also
launch on another space station EVA?

Are they the new disposable LEO sat? instead of having HEO or higher orbit sat did they will now be sent one after the other in a way to
replenish the amateur radio satellite aging and dying fleet? The photo disposable camera was an ingenious concept as it rely on mass
production who will never be possible for an ARISSAT satellite.

Nobody will be against virtue but i failed to see the medium and long term goal here but probably i missed the missing link?

P.S. How much this ARISSAT experiment cost for AMSAT-NA? and for ARISS? Instead of words real figures will prove there is something moving
somewhere!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3920. Re: [eu-amsat] ARRISAT decay time?

Yahoo group: eu-amsat
Date: 2010-10-28 09:13:12 UTC
From: Thomas Frey
Topic: 3919 Message: 3920

Luc Leblanc schrieb:
> The first suitsat remain in space for one year. As ARISSAT will have more mass but less surface can we expected a longer life? I know that
> a part of this ARISSAT experiment will be a test platform i only hope it will not be a test platform for the next ARISSAT who will be also
> launch on another space station EVA?
>
> Are they the new disposable LEO sat? instead of having HEO or higher orbit sat did they will now be sent one after the other in a way to
> replenish the amateur radio satellite aging and dying fleet? The photo disposable camera was an ingenious concept as it rely on mass
> production who will never be possible for an ARISSAT satellite.
>
> Nobody will be against virtue but i failed to see the medium and long term goal here but probably i missed the missing link?
>
> P.S. How much this ARISSAT experiment cost for AMSAT-NA? and for ARISS? Instead of words real figures will prove there is something moving
> somewhere!
>
>

Luc, as I know there are no costs for the transport to the ISS and also
no cost for the handy release by an astronaut. ARISSAT is a real HAM
experiment and as such unique.

--

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3921. Re: ARRISAT decay time?

Yahoo group: eu-amsat
Date: 2010-10-28 09:42:57 UTC
From: Al
Topic: 3919 Message: 3921

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
>
>
> Are they the new disposable LEO sat? instead of having HEO or higher orbit sat did they will now be sent one after the other in a way to
> replenish the amateur radio satellite aging and dying fleet? The photo disposable camera was an ingenious concept as it rely on mass
> production who will never be possible for an ARISSAT satellite.

Once the shuttle is scrapped, there will be no more opportunities for this sort of craft. Soyuz, Progress and Dragon are all too small to carry this sort of experiment. Disposable cameras are one thing, but disposable spacecraft are quite another. I don't think you need worry too much Luc.

73 Al.
GM1SXX

3922. This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 13:52:58 UTC
From: John Hackett
Topic: 3922 Message: 3922

Just worked AO-51 with 2 watts on an IC-E92D to an ELK on transmit and an Arrow on receive.

I was given an excellent audio report by Walt, ON5NY, Also worked Greece and Asiatic Russia,

Walter has the other 'key' to successful contacts. Clear, precise speech ... not too fast, easily understood.

Well done! Walt.

I hope people listen and learn from him too.

73 John. <la2qaa@...>

3923. Re: [eu-amsat] This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 15:03:13 UTC
From: phil ashton
Topic: 3922 Message: 3923

Hi John,

I would like either an Arrow or Elk antenna but can't find a source.

Any pointers would be appreciated.

Thanks

73 Phil G3XAP

From: John Hackett <archie.hackett@hotmail.com>
To: eu-amsat@yahoogroups.com
Cc: walter.vinken@...
Sent: Fri, 29 October, 2010 14:52:58
Subject: [eu-amsat] This one's for Ali ... (Ali Gator)

Just worked AO-51 with 2 watts on an IC-E92D to an ELK on transmit and an Arrow on receive.

I was given an excellent audio report by Walt, ON5NY, Also worked Greece and Asiatic Russia,

Walter has the other 'key' to successful contacts. Clear, precise speech ... not too fast, easily understood.

Well done! Walt.

I hope people listen and learn from him too.

73 John. <la2qaa@...>

3924. Re: This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 17:05:47 UTC
From: LA2MOA
Topic: 3922 Message: 3924

Hi Phil!

And tnx for CW-QSO on HO-68 yesterday, by the way...

Here's some links, which I think you're looking for:

ELK antennas: http://www.elkantennas.com/

Arrow antennas: http://www.arrowantennas.com/

Hope this will give some guidance.

73!

Hans / LA2MOA
JP50hw
Still refusing to call CQ on AO-7

--- In eu-amsat@yahoogroups.com, phil ashton <g3xap1941@...> wrote:
>
> Hi John,
>
> I would like either an Arrow or Elk antenna but can't find a source.
>
> Any pointers would be appreciated.
>
> Thanks
>
> 73Â PhilÂ G3XAP
>
>
>
>
> _____
> From: John Hackett <archie.hackett@...>
> To: eu-amsat@yahoogroups.com
> Cc: walter.vinken@...
> Sent: Fri, 29 October, 2010 14:52:58
> Subject: [eu-amsat] This one's for Ali ... (Ali Gator)
>
> Â
> Just worked AO-51 with 2 wattsÂ on an IC-E92D to an ELK on transmit and an Arrow
> on receive.
>
> I was given an excellent audio report by Walt, ON5NY, Also worked Greece and
> Asiatic Russia,
>

> Walter has the other 'key' to successful contacts. Clear, precise speech ... not
> too fast, easily understood.
>
> Well done! Walt.
>
> I hope people listen and learn from him too.
>
> 73 John. Â <la2qaa@...>
>

3925. FS: TR-751A

Yahoo group: eu-amsat
Date: 2010-10-29 18:35:43 UTC
From: LA2MOA
Topic: 3925 Message: 3925

Ok... Not sure if this is the right forum, but anyway - here it comes:

I have a substanial number of rigs here (TS-790E, TM-255, TM-455 and TR-751A) and at least one of them has to go if i will continue to be able to get into the schack. Well, the TS-790E has more or less alread found a nw homw, no problem it lacks 23cm anyway and my TM-255/455 is AT LEAST just as good as the 790. So, to make a long story shorter: I'm offering a VERY NICE TR-751A to a VERY NICE PRICE to the group. Lets say NOK 1600 + Shipping. The receiver is just as good as the one in my TM-255, it looks nice and it's working very nice both in CW and SSB (just ask Phil G3XAP or IK1SOW whom I've worked on HO-68 respecively in CW and SSB yesterday with this rig in the TX-end).

There are NO issues with the TR-751A whatsoever, no problems with the concentric volume/squelch/on-off-knob or any flickering lamps or LED's or anything. It's just sooooo perfect.

ANY inquiries about this wonderful radio is answered via e-mail to:

la2moa (at) gmail (dot) net

So, go on then, b4 it's too late... if not sold, I will put it in my car - which is a waist. This rig is simply too good for that...

73!

Hans / LA2MOA

3926. Arrows and Elk

Yahoo group: eu-amsat
Date: 2010-10-29 19:19:47 UTC
From: John Hackett
Topic: 3922 Message: 3926

Phil,
I bought my Arrow here ...

Contact Tim at sales@antennawarehouse.com

and my ELK here ...

<http://www.elkantennas.com/>

Both places give excellent service.

The Arrow (crossed yagis) is easier to hold when portable - the ELK (log periodic) is built like a brick sh*thouse.

The Arrow has 2 x BNC connectors for 2m & 70cm ... the ELK has a single PL-259.

IMHO the Arrow is more versatile --- especially if you *RIP* out the diplexer and bin it.

For portable ops - gp for the split boom model + carrying bag.

CC'd to the group for general interest.

73 John. <la2qaa@...>

3927. RE: [eu-amsat] Re: This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 19:35:53 UTC
From: John Hackett
Topic: 3922 Message: 3927

Hans,
Arrow antennas don't ship outside the USA but their 'dealers' do.

AntennaWarehouse (*NOT* the Australian one with the same name) in the USA offers excellent service to Europe.

I'll give you 1600 Thailand bath for your TR-751 ... (about 319 kroner) ... KIDDING !!!!!.

I still use a 28 year old FT-290R ... or the IC-E92D at both extremities of technology ...

D-Star and MCW !!!.

(You can send CW by banging your dick on a biscuit tin)

73 John.
To: eu-amsat@yahoogroups.com
From: hans.ostnell@...
Date: Fri, 29 Oct 2010 17:05:47 +0000
Subject: [eu-amsat] Re: This one's for Ali ... (Ali Gator)

Hi Phil!

And tnx for CW-QSO on HO-68 yesterday, by the way...

Here's some links, which I think you're looking for:

ELK antennas: http://www.elkantennas.com/

Arrow antennas: http://www.arrowantennas.com/

Hope this will give some guidance.

73!

Hans / LA2MOA

JP50hw

Still refusing to call CQ on AO-7

--- In eu-amsat@yahoogroups.com, phil ashton <g3xap1941@...> wrote:

>

> Hi John,

>

> I would like either an Arrow or Elk antenna but can't find a source.

>

> Any pointers would be appreciated.

>

> Thanks

>

> 73Â PhilÂ G3XAP

>

>

>

>

> _____

> From: John Hackett <archie.hackett@...>

> To: eu-amsat@yahoogroups.com

> Cc: walter.vinken@...

> Sent: Fri, 29 October, 2010 14:52:58

> Subject: [eu-amsat] This one's for Ali ... (Ali Gator)

>

> Â

> Just worked AO-51 with 2 wattsÂ on an IC-E92D to an ELK on transmit and an Arrow

> on receive.

>

> I was given an excellent audio report by Walt, ON5NY, Also worked Greece and

> Asiatic Russia,

>

> Walter has the other 'key' to successful contacts. Clear, precise speech ... not

> too fast, easily understood.

>

> Well done! Walt.

>

> I hope people listen and learn from him too.

>

> 73 John. Â <la2qaa@...>

>

3928. Re: This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 19:45:41 UTC
From: LA2MOA
Topic: 3922 Message: 3928

John wrote: "You can send CW by banging your dick on a biscuit tin"

I always do. You have worked me in CW, so you should know.

Ta-ta,

Hans / LA2MOA
319 NOG-pennies. No. I say NO.

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Hans,
> Arrow antennas don't ship outside the USA but their 'dealers' do.
>
> AntennaWarehouse (*NOT* the Australian one with the same name) in the USA offers
excellent
> service to Europe.
>
> I'll give you 1600 Thailand bath for your TR-751 ... (about 319 kroner) ... KIDDING
!!!!!.
>
> I still use a 28 year old FT-290R ... or the IC-E92D at both extremities of technology
...
>
> D-Star and MCW !!!.
>
> (You can send CW by banging your dick on a biscuit tin)
>
> 73 John.
> To: eu-amsat@yahoogroups.com
> From: hans.ostnell@...
> Date: Fri, 29 Oct 2010 17:05:47 +0000
> Subject: [eu-amsat] Re: This one's for Ali ... (Ali Gator)
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> Hi Phil!
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> And tnx for CW-QSO on HO-68 yesterday, by the way...
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>
> Here's some links, which I think you're looking for:
>
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>
> ELK antennas: http://www.elkantennas.com/
>
>
>
> Arrow antennas: http://www.arrowantennas.com/
>
>
>
> Hope this will give some guidance.
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> 73!
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>
> Hans / LA2MOA
>
> JP50hw
>
> *Still refusing to call CQ on AO-7*
>

>
>
> --- In eu-amsat@yahoogroups.com, phil ashton <g3xap1941@> wrote:
>
> >
>
> > Hi John,
>
> >
>
> > I would like either an Arrow or Elk antenna but can't find a source.
>
> >
>
> > Any pointers would be appreciated.
>
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>
> > Thanks
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>
> > 73Â PhilÂ G3XAP
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> > _____
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> > From: John Hackett <archie.hackett@>
>
> > To: eu-amsat@yahoogroups.com
>
> > Cc: walter.vinken@
>
> > Sent: Fri, 29 October, 2010 14:52:58
>
> > Subject: [eu-amsat] This one's for Ali ... (Ali Gator)
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> > Â
>
> > Just worked AO-51 with 2 wattsÂ on an IC-E92D to an ELK on transmit and an Arrow
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> > on receive.
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> > I was given an excellent audio report by Walt, ON5NY, Also worked Greece and
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> > Asiatic Russia,
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> > Walter has the other 'key' to successful contacts. Clear, precise speech ... not
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> > too fast, easily understood.
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>
> > Well done! Walt.
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>
> > I hope people listen and learn from him too.
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> >
>
> > 73 John. Â <la2qaa@>
>
> >
>

3929. Re: This one's for Ali ... (Ali Gator)

Yahoo group: eu-amsat
Date: 2010-10-29 19:59:03 UTC
From: st2nh
Topic: 3922 Message: 3929

John wrote: "You can send CW by banging your dick on a biscuit tin"

Good I have never work John in CW !!
Please John cancel our CW skid.
hi hi

73 Nader
st2nh

--- In eu-amsat@yahoogroups.com, "LA2MOA" <hans.ostnell@...> wrote:
>
> John wrote: "You can send CW by banging your dick on a biscuit tin"
>
> I always do. You have worked me in CW, so you should know.
>
> Ta-ta,
>
> Hans / LA2MOA
> 319 NOG-pennies. No. I say NO.
>
> --- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@> wrote:
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> >
> > Hans,
> > Arrow antennas don't ship outside the USA but their 'dealers' do.
> >
> > AntennaWarehouse (*NOT* the Australian one with the same name) in the USA offers
excellent
> > service to Europe.
> >
> > I'll give you 1600 Thailand bath for your TR-751 ... (about 319 kroner) ... KIDDING
!!!!!.
> >
> > I still use a 28 year old FT-290R ... or the IC-E92D at both extremities of technology
...
> >
> > D-Star and MCW !!!.
> >
> > (You can send CW by banging your dick on a biscuit tin)
> >
> > 73 John.
> > To: eu-amsat@yahoogroups.com
> > From: hans.ostnell@
> > Date: Fri, 29 Oct 2010 17:05:47 +0000
> > Subject: [eu-amsat] Re: This one's for Ali ... (Ali Gator)
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> > Hi Phil!
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> > And tnx for CW-QSO on HO-68 yesterday, by the way...
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> > Here's some links, which I think you're looking for:
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> >
> > ELK antennas: http://www.elkantennas.com/
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> >
> >
> > Arrow antennas: http://www.arrowantennas.com/
> >
> >
> >
> > Hope this will give some guidance.
> >
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> >
> > 73!
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> >
> > Hans / LA2MOA
> >
> > JP50hw
> >
> > *Still refusing to call CQ on AO-7*
> >
> >
> >
> > --- In eu-amsat@yahoogroups.com, phil ashton <g3xap1941@> wrote:
> >
> > >
> >
> > > Hi John,
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> > > I would like either an Arrow or Elk antenna but can't find a source.
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> > > Any pointers would be appreciated.
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> > > Thanks
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> > > 73Â PhilÂ G3XAP
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> > >
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> > > _____
> >
> > > From: John Hackett <archie.hackett@>
> >
> > > To: eu-amsat@yahoogroups.com
> >
> > > Cc: walter.vinken@

> >
> > > Sent: Fri, 29 October, 2010 14:52:58
> >
> > > Subject: [eu-amsat] This one's for Ali ... (Ali Gator)
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> > > Â
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> > > Just worked AO-51 with 2 wattsÂ on an IC-E92D to an ELK on transmit and an Arrow
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> > > I was given an excellent audio report by Walt, ON5NY, Also worked Greece and
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> > > Asiatic Russia,
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> > > Walter has the other 'key' to successful contacts. Clear, precise speech ... not
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> > > too fast, easily understood.
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> >
> > > Well done! Walt.
> >
> > >
> >
> > > I hope people listen and learn from him too.
> >
> > >
> >
> > > 73 John. Â <la2qaa@>
> >
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>

3930. Being serious ... honest!.

Yahoo group: eu-amsat
Date: 2010-10-29 20:39:56 UTC
From: John Hackett
Topic: 3930 Message: 3930

Group,
It's good to see some light hearted humour on this forum ... refreshing! to see some really professional and well respected gentlemen not being pompous.

I wondered !!! why my guests always refused the biscuits.

Wishing everyone a good weehend.

73 John. <la2qaa@...>

3931. Re: Being serious ... honest!.

Yahoo group: eu-amsat
Date: 2010-10-29 21:07:22 UTC
From: st2nh
Topic: 3930 Message: 3931

> John wrote:
> I wondered !!! why my guests always refused the biscuits.

Next time use an empty tin john !!

Have a good weekend OM

73 Nader

3932. Re: [eu-amsat] Arrows and Elk

Yahoo group: eu-amsat
Date: 2010-10-30 19:25:38 UTC
From: phil ashton
Topic: 3922 Message: 3932

Hi John,

Thank you and everyone else who replied to my plea for help regarding Elk/Arrow antennas. In view of what's been said, it's got to be the Arrow.

73 and thanks

Phil G3XAP

From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Fri, 29 October, 2010 20:19:47
Subject: [eu-amsat] Arrows and Elk

Phil,
       I bought my Arrow here ...

Contact Tim at sales@...

and my ELK here ...

<http://www.elkantennas.com/>

Both places give excellent service.

The Arrow (crossed yagis) is easier to hold when portable - the ELK (log periodic) is built like a brick sh*thouse.

The Arrow has 2 x BNC connectors for 2m & 70cm ... the ELK has a single PL-259.

IMHO the Arrow is more versatile --- especially if you *RIP* out the diplexer and bin it.

For portable ops - gp for the split boom model + carrying bag.

CC'd to the group for general interest.

73 John. <la2qaa@...>

3933. Re: [eu-amsat] FS: TR-751A

Yahoo group: eu-amsat
Date: 2010-10-30 19:30:24 UTC
From: phil ashton
Topic: 3925 Message: 3933

Hi Hans

Tnx for the HO-68 QSO - and I can confirm that the TR-751A sounded very good.
That should get me at least 10% commission ;-)

Seriously, although I have worked few stations as yet, your signal was very good
compared with the majority.

73 Phil G3XAP

From: LA2MOA <hans.ostnell@...>
To: eu-amsat@yahoogroups.com
Sent: Fri, 29 October, 2010 19:35:43
Subject: [eu-amsat] FS: TR-751A

Ok... Not sure if this is the right forum, but anyway - here it comes:

I have a substanial number of rigs here (TS-790E, TM-255, TM-455 and TR-751A)
and at least one of them has to go if i will continue to be able to get into the
schack. Well, the TS-790E has more or less alread found a nw homw, no problem it
lacks 23cm anyway and my TM-255/455 is AT LEAST just as good as the 790. So, to
make a long story shorter: I'm offering a VERY NICE TR-751A to a VERY NICE PRICE
to the group. Lets say NOK 1600 + Shipping. The receiver is just as good as the
one in my TM-255, it looks nice and it's working very nice both in CW and SSB
(just ask Phil G3XAP or IK1SOW whom I've worked on HO-68 respecively in CW and
SSB yesterday with this rig in the TX-end).

There are NO issues with the TR-751A whatsoever, no problems with the concentric
volume/squelch/on-off-knob or any flickering lamps or LED's or anything. It's
just sooooo perfect.

ANY inquiries about this wonderful radio is answered via e-mail to:

la2moa (at) gmail (dot) net

So, go on then, b4 it's too late... if not sold, I will put it in my car - which
is a waist. This rig is simply too good for that...

73!

Hans / LA2MOA

3934. The AO-7 log.

Yahoo group: eu-amsat
Date: 2010-10-30 19:35:04 UTC
From: John Hackett
Topic: 3934 Message: 3934

Just had a look at the AO-7 log again.

The same stations making the same mistakes ... over and over ... and over again.

We *ALL* make mistakes, it's human to err ... but you know what they say about the people who
make the *SAME* mistake time and time again.

You'd think that they could actually *SEE* how other people do it ... or ... know what date it is when they
made the contact.

The most 'popular' mistake is several line entries - despite! the ones above and below being on a single line.

There *IS* no excuse for not correcting mistakes ... it's been referred to here and on the Amsat-bb several times.

Again I ask people to please stop sending me requests to edit mistakes. I stopped editing the log more than 2 years ago.

Thank you.

73 John. <la2qaa@...>

3935. How to climb 1768``tower

Yahoo group: eu-amsat
Date: 2010-10-31 05:42:29 UTC
From: Luc Leblanc
Topic: 3935 Message: 3935

Are you reluctant to climb your tower? just watch this video and you will see your tower is not so high after all

http://www.koreus.com/video/reparer-antenne-540m.html

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3936. Two ops from FM-sat :)

Yahoo group: eu-amsat
Date: 2010-10-31 07:36:35 UTC
From: rw3xl
Topic: 3936 Message: 3936

Hello group!Beautiful sunny morning now. Reading about crocodiles here I has remembered about other animal from very old Rissian cartoon film. His name sound like "Cheburashka" and I think, It is similar to the good operator [:)] But He is a crocodile friend. Destiny...http://multikonline.ru/uploads/posts/2009-04/1238923887_4549.j\pg <http://multikonline.ru/uploads/posts/2009-04/1238923887_4549.jpg>

3937. Questions about use of PC104 connector

Yahoo group: eu-amsat
Date: 2010-10-31 09:13:58 UTC
From: William L
Topic: 3937 Message: 3937

Hello AMSATs,

Work and home situation kept me away from having any ham time. But recently I had some time to continue with getting my transponder upgraded and with a PC104 connector.

The PC104 is a good choice for having a standarized inter connection system on CubeSat projects. However, I seen some deviation in the placement standard of this PC104 connector.

From the following website I read:
http://www.cubesatkit.com/content/electronics/bus.html

The CubeSat Kit Bus utilizes the same physical connectors as the industry-proven PC/104 bus, but in an alternate physical location so as to avoid unintentional damage to PC/104 or CubeSat Kit modules.

With focus on: "IN AN ALTERNATE PHYSICAL LOCATION"

I would like to know what this possition is, and if this is the golden standard in CubeSat world ?

My next worry is the pin configurations. Is there any standard for CubeSat boards ?

Next I would like to know how modules are controlled by the data bus.
Is it like separate pins for PTT, TX, RX etc...
Or with more smart communication with lines like: address bus, data bus, Clock, Interrupt lines etc. (similar to old ISA PC cards)
Or maybe with I2C.

I keep it to these questions for now...
Next questions will follow out of the answers hihi...

73 de PE1RAH
William Leijenaar

3938. RE: [eu-amsat] Two ops from FM-sat :)

Yahoo group: eu-amsat
Date: 2010-10-31 09:21:13 UTC
From: John Hackett
Topic: 3936 Message: 3938

Right! ... lets all strive to be like "Cheburashka".

(Good one!, Igor).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: rw3xl@yandex.ru
Date: Sun, 31 Oct 2010 07:36:35 +0000
Subject: [eu-amsat] Two ops from FM-sat :)

Hello group!Beautiful sunny morning now. Reading about crocodiles here I has remembered about other animal from very old Rissian cartoon film. His name sound like "Cheburashka" and I think, It is similar to the good operator But He is a crocodile friend. Destiny...http://multikonline.ru/uploads/posts/2009-04/1238923887_4549.jpg

3939. Re: How to climb 1768``tower

Yahoo group: eu-amsat
Date: 2010-10-31 10:02:08 UTC
From: Al
Topic: 3935 Message: 3939

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> Are you reluctant to climb your tower? just watch this video and you will see your tower is not so high after all
>
> http://www.koreus.com/video/reparer-antenne-540m.html
>

I saw this one at work a few weeks go. Quite an interesting movie.
From my viewpoint once you are over 30 feet up, if you fall off, you will probably die anyway ... so in that respect 1768 feet is really no more dangerous than 30. You will still go SPLAT! I have had to work on LASER comms systems at considerable height. I use proper ropes, a 4 point harness and proper equipment plus a hard-hat. So long as you take the proper precautions, you should be fine. Our electricians are a little more adventurous than I am. They have to abseil off the building to change out faulty floodlighting at times:-)
It's all concrete paving down below, but since the lighting is over 30 feet up, thats largely irrelevant.
Always take proper precautions!

73 Al.
GM1SXX

3940. 500 meters.

Yahoo group: eu-amsat
Date: 2010-10-31 10:30:47 UTC
From: John Hackett
Topic: 3935 Message: 3940

I'm a wimp! ... I only managed 200 meters on the NATO tower on Gossen Island and after an eventual
fall you land in a nice soggy bog ... but presumably, falling from 200 meters, even into a bog might just possibly knock the wind out of you for a couple of minutes.

I've also 'enjoyed' the view from the top of one of the towers holding up the shortwave curtain array on Kvitsøy Island, but that was only a only a 'baby' mast at a mere 170 meters. It does sway by 3m in a stiff breeze though so a safety belt is advised.

At the lower 100m you can climb inside the tower but the secont 70 meters has to be climbed externally.

I agree with GM1SXX. Falling from 200 or 30 meters onto concrete *ISN'T* good for your health.

73 John. <la2qaa@amsat.org>
.....
.....

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Sun, 31 Oct 2010 10:02:08 +0000
Subject: [eu-amsat] Re: How to climb 1768``tower

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:

>

> Are you reluctant to climb your tower? just watch this video and you will see your tower is not so high after all

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I saw this one at work a few weeks go. Quite an interesting movie.

From my viewpoint once you are over 30 feet up, if you fall off, you will probably die anyway ... so in that respect 1768 feet is really no more dangerous than 30. You will still go SPLAT! I have had to work on LASER comms systems at considerable height. I use proper ropes, a 4 point harness and proper equipment plus a hard-hat. So long as you take the proper precautions, you should be fine. Our electricians are a little more adventurous than I am. They have to abseil off the building to change out faulty floodlighting at times:-) It's all concrete paving down below, but since the lighting is over 30 feet up, thats largely irrelevant.

Always take proper precautions!

73 Al.

GM1SXX

3941. The AO-7 Resource Page Log ... again!.

Yahoo group: eu-amsat
Date: 2010-10-31 15:02:47 UTC
From: John Hackett
Topic: 3941 Message: 3941

Bernhard,
Please be aware that you're *NOT* filling in the AO-7 log correctly.

All contacts for a particular pass are supposed to be entered on a single line.

Yesterday, 30-10-2010 you made entries on different lines at 15:27, 15:28, 15:32 and 15:34.
Today, 31-10-2010 at 09:01, 09:10 and again at 10:01 and 10:06.

That's 8 different lines when there should have only been 3.

Long term, this makes a complete mockery of the object of the log ... as has been stated again and again ... and again ... here on the EU Amsat reflector and also on the Amsat-bb.
The log was *NEVER* meant to be
a points table.

It's an *ACTIVITY* log.

It should be perfectly obvious from all other entries that several contacts for a particular pass should be entered on ONE SINGLE LINE.

It is also not necessary to log 'heard' stations.

73 John. <la2qaa@...>

Previous AO-7 Resource Page LOG Admin:

Founder: EU Amsat.

3942. Tnx OZ7SAT

Yahoo group: eu-amsat
Date: 2010-10-31 20:44:34 UTC
From: st2nh
Topic: 3942 Message: 3942

Hi

Nice to see a webpage recorded most of the posted messages to the HO-68 BBS !.

http://www.amsat.dk/oz7sat/broedtekst.php?broedtekst=ho-68status.hrf

Thanks AMSAT OZ

73/Nader/st2nh

3943. HO-68 Schedule 1-7 November

Yahoo group: eu-amsat
Date: 2010-11-01 18:22:25 UTC
From: John Hackett
Topic: 3943 Message: 3943

```
ALL TIMES UTC.

01 Nov 2010
================================
16:15...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:00...Turn Off

18:00...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:45...Turn Off

22:05...Turn On--FM/PACSAT
Africa,Europe,NA
22:50...Turn Off

02 Nov 2010
=================================
01:49...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:04...Turn Off

10:45...Turn On--FM/PACSAT
NA,East Asia,Oceania
11:30...Turn Off

12:45...Turn On--FM/PACSAT
Europe,NA,South America
13:30...Turn Off

16:00...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
16:45...Turn Off

17:45...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
18:30...Turn Off

19:10...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:55...Turn Off

03 Nov 2010
=================================
23:35...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
```

00:20...Turn Off

01:32...Turn On--FM/PACSAT
Asia,Oceania
01:43...Turn Off

12:25...Turn On--FM/PACSAT
Europe,NA,South America
13:10...Turn Off

17:25...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
18:10...Turn Off

19:15...Turn On--FM/PACSAT
Africa,Europe,NA
20:00...Turn Off

20:40...Turn On--FM/PACSAT
Africa,Europe,NA
21:25...Turn Off

04 Nov 2010
==========
23:20...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:05...Turn Off

03:03...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:18...Turn Off

13:55...Turn On--FM/PACSAT
Europe, NA,South America
14:40...Turn Off

17:10...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:55...Turn Off

19:00...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:45...Turn Off

20:25...Turn On--FM/PACSAT
Africa,Europe,NA
21:10...Turn Off

23:05...Turn On--FM/PACSAT
NA,North Asia, Oceania
23:50...Turn Off

05 Nov 2010
==========
02:46...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
03:02...Turn Off

13:40...Turn On--FM/PACSAT
Europe, NA,South America
14:25...Turn Off

16:50...Turn On--FM/PACSAT
Africa,Europe,NA
17:35...Turn Off

18:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:30...Turn Off

20:10...Turn On--FM/PACSAT
Africa,Europe,NA
20:55...Turn Off

22:45...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:30...Turn Off

06 Nov 2010
==========
02:28...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:43...Turn Off

13:25...Turn On--FM/PACSAT
Europe,NA,South America
14:10...Turn Off

16:35...Turn On--FM/PACSAT
Africa,Europe,NA
17:20...Turn Off

18:25...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:10...Turn Off

19:50...Turn On--FM/PACSAT
Africa,Europe,NA
20:35...Turn Off

22:30...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:15...Turn Off

07 Nov 2010
==========
02:12...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:28...Turn Off

13:05...Turn On--FM/PACSAT
Europe,NA,South America
13:50...Turn Off

3944. Re: ARRISAT decay time?

Yahoo group: eu-amsat
Date: 2010-11-01 21:08:14 UTC
From: m5aka
Topic: 3919 Message: 3944

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Luc, as I know there are no costs for the transport to the ISS
> and also no cost for the handy release by an astronaut. ARISSAT
> is a real HAM experiment and as such unique.

I forget the exact cost of shipping freight to the ISS but believe it's over $5000 a kilo, so getting a free ride is very welcome.

There was a post on the AMSAT-BB sometime ago about the cost to AMSAT-NA of the ARISSSATs, I recall it was low, under $12k.

Two out of those that were built are being shipped to Russia for launch, the first slated to fly this January. It should stay in orbit throughout 2011. Obviously the linear transponder will prove popular and I suspect many newcomers will be attracted by the SSTV pictures.

73 Trevor M5AKA

3945. AMSAT-UK FUNcube Frequencies now confirmed

Yahoo group: eu-amsat
Date: 2010-11-01 22:03:06 UTC
From: m5aka
Topic: 3945 Message: 3945

The IARU Amateur Satellite Frequency Coordination panel has announced coordinated frequencies for the AMSAT-UK FUNcube satellite.

The frequencies are:

Inverting linear transponder:
Uplink 435.080 ☐ 435.060 MHz Downlink 145.960 ☐ 145.980 MHz

Beacon 145.955 MHz CW and 1200 bps BPSK

FUNcube website
http://www.FUNcube.org.uk/

FUNcube SDR Dongle
http://www.FUNcubeDongle.com/

FUNcube Yahoo Group
http://groups.yahoo.com/group/FUNcube/

Getting started on Amateur Radio Satellites PDF
http://www.uk.amsat.org/content/view/408/168/

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.

Join online at https://secure.amsat.org.uk/subs_form/

3946. Nig beans (?)

Yahoo group: eu-amsat
Date: 2010-11-02 09:44:45 UTC
From: John Hackett
Topic: 3946 Message: 3946

BIG BEANS? ... he means big beams!, folks.

This one is for those potential newcomers who (mistakenly) believe that you need *BIG* beams to work LEO satellites ... you DON'T !!!.

(It could also apply to the deaf 100 watt - 'mine's bigger than yours!'' - I don't need! a receiver, brigade too)

This morning at 021120100853Z I was 'messing' with my FT-290R - (I had no intention of working any satellites until later in the day) - I juat happened to tune across 145.943 when I heard F6FLE calling CQ.

On that frequency it of course had to AO-7 so out of curiosity I thought I'd see where the old girl was. I turned the computer on and backtracked to the exact time I heard the signal.

It turned out that AO-7 at that moment was at 353 degrees azimuth and 53 degrees elevation.

My simple ELK array was, as it always is when parked, was pointing to 90 degrees Az: and 0 degrees El:

Now ... taking into account that 6 element yagis have a vertical and horizontal beamwidth of approximately 40 - 50 degrees at the -3dB half power point it should be fairly obvious that a 'sharp' beam is *NOT* a necessity - especially! at the higher angles.

In fact, 5 or 6 elements with a half power beamwidth of 40 to 60 degrees is just about optimum for LEO's.

For thos not interested in aerials (???) ... it means I was receiving a good signal off the side of the beam.

Err ... unlike the FM satellites, to work the linear birds "ears" *ARE* highly recommended as 'extra' equipment.

73 John. <la2qaa@amsat.org>

3947. An opinion.

Yahoo group: eu-amsat
Date: 2010-11-02 13:01:11 UTC
From: John Hackett
Topic: 3771 Message: 3947

Apart from a couple of noteworthy exceptions - I still claim the operating practice on AO-7 is far more
civilised than that found on the FM satellites.

Of course, the height of the orbit - (read: length of operating time) - is the primary reason but operating technique - (2 different types of proceedure) - plays a significant role as well.

Hopefully, the FM only operators will progress to AO-7, VO-52, HO-68, FUNsat and Kiwisat - (if it ever gets launched) - and learn how to operate on linear satellites.

73 John. <la2qaa@...>

3948. Reasonable distance on AO-7

Yahoo group: eu-amsat
Date: 2010-11-02 13:27:54 UTC
From: John Hackett
Topic: 3948 Message: 3948

LA2QAA in JP33WB to UA0QJ in OO62QJ, 5687 km this afternoon on AO-7 ... fair to middling - but still a long way behind me' old mate K3SZH's 7000+ kilometers and my own 6800Km QSO with UA0ZS in Kamchatskaya.
(regular morning contacts a couple of years ago).

73 John. <la2qaa@...>

3949. QRM on HO-68

Yahoo group: eu-amsat
Date: 2010-11-02 16:38:08 UTC
From: John Hackett
Topic: 3949 Message: 3949

Could somebody please QSP to the Russian station concerned that *SHOUTING* into the microphone
doesn't make the signal any stronger ... but it *DOES* help to foster QRM.

Calm down !!! ... relax ... and a *LOT* more people will be able to make a contact.

In the last 15 minute pass only 3 contacts were made ... mainly due to so many stations QRM'ing eachother.

Give your callsign once! ... then *LISTEN* !!!.

Making transmissions like ... THIS IS UA3*** TRANSMITTING FROM P*** TO HO-68 CQ SATELLITE ...
only! causes QRM.

We all know that the idea is to keep transmitting continually, until there's a break ... but believe me, that's *NOT* the best way to get through the chaos already in progress. Improve your operating technique, listen, judge the timing of the QSO, nip in with your call ... once! ... then LISTEN !!!.

Remember ... you're competing with many other stations at any one time. There are over 50 'countries'
in Europe and a *LOT* of people trying at the same time. Read up on FM capture effect.

Remember that 5 watts is the recommended power. Some alligators are running 20 !!! times that and *STILL* can't get a contact ... which is due to poor operating proceedure ... *NOT* power.

These stations are 80% of the reason why the good operators can''t get into the bird.

Like I said ... *SHOUTING* does *NOT* make your signal any stronger ... honest!.

Relax!!! ... it's a hobby. Your life 'DOESN'T* depend on it ... WHICH IS JUST AS WELL !!!.

I think this message needs to be beaten in with a very big stick.

73 John. <la2qaa@...>

3950. For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-02 22:55:32 UTC
From: John Hackett
Topic: 3950 Message: 3950

Here are a couple of paragrahs I sent to a friend of mine this evening, I thought they might be useful for potential newcomers ...

73 John. <la2qaa@...>
.....
.....

>Here''s a trick for finding yourself ...

>(referring to AO-7).

>Remember! - AO-7 is an inverting transponder ... what goes up comes down ... he he he

>Make a list of the uplink frequencies starting at 432.125 uplink which corresponds to 145975 doenlink.
>Do this for every 5Khz ... 432.130 - 145.970 ... 432.135 - 145.965 and so on until you get to
>432.175 - 145.925.

You can then see what uplink you're using and where your downlink will be - plus/minus doppler.

Another 'trick' isto use an audio oscillator of about 800Hz with STEREO headphones ... one channel going to the uplink - one channel coming from the downlink - use a switch between oscillator and mic ... adjust your receiver until both tones sound the same ... you're then dead-on frequency.

Much !!! more fun than automatic doppler tuning. I'm still using 28 year old rigs on the satellites. I used to have a fully automated station ... BORING !!!!.

The above are a couple of the kind of things we need to teach the newcomers >>>

3951. For those of us who are missing FO-29...

Yahoo group: eu-amsat
Date: 2010-11-03 13:35:27 UTC
From: LA2MOA
Topic: 3951 Message: 3951

...the bird will come back, in scheduled operation in January and February. Right she's resting. Here's the latest FO-29 uptade from the JARL-team:

October 2010 update: FO-29 has reentered eclipses each orbit, and it's future operation is uncertain at this time. The older updates below will provide background, but the situation is the batteries are old, and the satellite shuts down when the batteries get too low. There was a malfunction in the system that turns the transponder back on after a shutdown, and it must now be commanded back on from the ground.

FO-29 update from JARL via Mineo Wakita, JE9PEL

JARL says: The eclipse rate of FO-29 suddenly changes from January to February, but it seems that the possibility of consecutive operation is low, because the malfunction occurs in the battery control circuit.

But we make a temporary operative plan and operate it, because there is the possibility of the spontaneous cure to be before approximately 2 years. When the surplus occurred for the electricity income and expenditure, we review an operative plan and do it.

It is operated until time to be OFF by UVC after a transmitter turned ON on the following date and time.

Jan. UTC
16 21:00-
22 22:33-
24 10:35-
29 21:25-
31 09:30-

Feb. UTC
5 22:00-
7 10:00-
11 11:40-
12 20:53-
14 10:40-

It does not limit the use of the analog system transponder, but please do uplink with the reasonable power. We may cancel the use of the next day depending on the situation of the examination use.

Does we need to say it twice? Yes, probably. So here it comes:

USE REASONABLE POWER ON THE UPLINK!!!

Hans / LA2MOA

3952. UT1EQ and F0FIG

Yahoo group: eu-amsat
Date: 2010-11-03 18:01:16 UTC
From: John Hackett
Topic: 3952 Message: 3952

Would somebody like to give UT1EQ a little heads-up regarding operating via an FM satellite.

UT1EQ QRZ? ... IT1EQ QRZ? ... UT1EQ QRZ? ... from 18:35 to 18:44 with just barely a pause for breath.

He heard only one of the *many* stations - (the 100 watt German one) - who were answering his call.
All had good clear signals. He didn't even copy the Russian stations trying to work him.

Surely in such a situation - (if it was one-way propagation hi hi) - it's time to let somebody else have a contact.

All honour to F0FIG who *DID* manage to hear and work my QRP despite the constant QRM from UT1EQ.

Perhaps he was just emulating the characteristic of that large green reptile that lives in the Florida swamps
and has long gaping jaws and very tiny ears.

Probably *TOTALLY* !!! unaware that he blocked the satellite for the whole pass.

Shared resource? ... yea ... right!.

73 John. <la2qaa@...>

3953. Re: [eu-amsat] For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-03 22:06:25 UTC
From: Nick
Topic: 3950 Message: 3953

--- On Wed, 11/3/10, John Hackett <archie.hackett@...> wrote
>Much !!! more fun than automatic doppler tuning. I'm still using 28 year old rigs on the
>satellites. I used to have a fully automated station ... BORING !!!!.

Hello John and group,
I am more than intrigued to try to listen to satellites, and for the last days (or weeks) I am trying to put down a basic list of things I need for starting.After watching this group, I think that I am interested only on the linear transponders and not the FM birds!
If I am not mistaken and have gone through the right websites, currently the satellites that are fully operational are HO-68 and VU-52 followed by a number of semi-operational satellites like AO-7.
Suppose that I start listening on them first and possibly working through them later, I see that I need to have both a VHF and a UHF all mode transceiver. I can see some used FT-290/FT-790 transceivers on eBay in very good condition and price and was wondering whether a set of those along with an arrow-type 3x6 antenna would be adequate for starting and possibly working. I am pretty sure that their power output (~2.5W) is enough but I hesitate a bit on those transceivers because I have read that they are not sensitive enough (in general). Do you think that they are sensitive enough for satellite work? If not, would you suggest any other used equipment that I can use? (I do not know whether FT-290RII/FT-790RII is much better on the issue of sensitivity because so far I have not found any data on both to compare).
I do not really care about fancy features like DSP and auto tracking, I really like the simple basic rigs that still need an operator in order to work!
73,Nick, SV1DJG

3954. RE: [eu-amsat] For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-04 10:48:29 UTC
From: John Hackett
Topic: 3950 Message: 3954

Hello Nick,
The FT-290 can be modifies with a Mutek 'hot' front end designed specifically for satellite operation.

The best 'old' rigs for satellite operating are the TR-751E and the TR-851E from Kenwood, 2m and 70cm repectively. Both these transceivers have sensitive front ends and are good for satellite operating without modification. Both have an output power of 25w (perfect).

If you absolutely *MUST* have auto-doppler tuning you can use Tony's ITUNE program (FREE) to tune them.

The FRT-290/790 pair are only recommended 'barefoot' for experienceds QRP'ers ... but they *ARE* RECOMMENDED for driving transverters.

Go for the TR-751E/851E pair and you can't go wrong NICK.

The same of course applies to 'comparison' rigs.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: magicnickus@...
Date: Wed, 3 Nov 2010 15:06:25 -0700
Subject: Re: [eu-amsat] For the potential newcomer ...

--- On Wed, 11/3/10, John Hackett <archie.hackett@...> wrote
>Much !!! more fun than automatic doppler tuning. I'm still using 28 year old rigs on the
>satellites. I used to have a fully automated station ... BORING !!!!.

Hello John and group,
I am more than intrigued to try to listen to satellites, and for the last days (or weeks) I am trying to put down a basic list of things I need for starting.After watching this group, I think that I am interested only on the linear transponders and not the FM birds!
If I am not mistaken and have gone through the right websites, currently the satellites that are fully operational are HO-68 and VU-52 followed by a number of semi-operational satellites like AO-7.
Suppose that I start listening on them first and possibly
working through them later, I see that I need to have both a VHF and a UHF all mode transceiver. I can see some used FT-290/ FT-790 transceivers on eBay in very good condition and price and was wondering whether a set of those along with an arrow-type 3x6 antenna would be adequate for starting and possibly working. I am pretty sure that their power output (~2.5W) is enough but I hesitate a bit on those transceivers because I have read that they are not sensitive enough (in general). Do you think that they are sensitive enough for satellite work? If not, would you suggest any other used equipment that I can use? (I do not know whether FT-290RII/FT-790RII is much better on the issue of sensitivity because so far I have not found any data on both to compare).
I do not really care about fancy features like DSP and auto tracking, I really like the

simple basic rigs that still need an operator in order to work!
73,Nick,
SV1DJG

3955. Oldest working orbiting satellite? Todays quiz!

Yahoo group: eu-amsat
Date: 2010-11-04 15:13:28 UTC
From: Chris Bloy
Topic: 3955 Message: 3955

Hi Group,

Ok, so I think I can answer the oldest working Amateur satellite is...
(AO7!?)

But what about the oldest:-

Non-working Amateur Satellite still in-orbit? (AO-13?)
Non-working commercial sat? Vanguard-1?
Working commercial satellite still in orbit?

Many Thanks,

Chris

3956. RE: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Yahoo group: eu-amsat
Date: 2010-11-04 15:31:23 UTC
From: John Hackett
Topic: 3955 Message: 3956

Chris,
41 years.

<http://www.satellites.co.uk/forums/tech-head-news-items/140262-oldest-working-comms-sat.html>

73 John. <la2qaa@amsat.org>
To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: chris@photofuture.co.uk
Date: Thu, 4 Nov 2010 15:13:28 +0000
Subject: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Hi Group,

Ok, so I think I can answer the oldest working Amateur satellite is...

(AO7!?)

But what about the oldest:-

Non-working Amateur Satellite still in-orbit? (AO-13?)

Non-working commercial sat? Vanguard-1?

Working commercial satellite still in orbit?

Many Thanks,

Chris

3957. RE: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Yahoo group: eu-amsat
Date: 2010-11-04 15:40:44 UTC
From: Chris Bloy
Topic: 3955 Message: 3957

Thank you John as always!

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of John Hackett
Sent: 04 November 2010 15:31
To: eu-amsat@yahoogroups.com
Subject: RE: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Chris,
41 years.

<http://www.satellites.co.uk/forums/tech-head-news-items/140262-oldest-worki
ng-comms-sat.html>

73 John. <la2qaa@...>

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: chris@...
Date: Thu, 4 Nov 2010 15:13:28 +0000
Subject: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Hi Group,

Ok, so I think I can answer the oldest working Amateur satellite is...
(AO7!?)

But what about the oldest:-

Non-working Amateur Satellite still in-orbit? (AO-13?)
Non-working commercial sat? Vanguard-1?
Working commercial satellite still in orbit?

Many Thanks,

Chris

3958. Re: [eu-amsat] Oldest working orbiting satellite? Todays quiz!

Yahoo group: eu-amsat
Date: 2010-11-04 16:35:48 UTC
From: Thomas Frey
Topic: 3955 Message: 3958

Chris Bloy schrieb:
> Hi Group,
>

Hello Chris

> Ok, so I think I can answer the oldest working Amateur satellite is...
> (AO7!?)
>
> But what about the oldest:-
>
> Non-working Amateur Satellite still in-orbit? (AO-13?)
>

OSCAR 3 (OSCAR III)
1 01293U 65016F 10307.64445339 .00000060 00000-0 70962-4 0 9345
2 01293 70.0731 161.0901 0019956 222.7299 137.2269 14.04822882330652

> Non-working commercial sat? Vanguard-1?
> Working commercial satellite still in orbit?
>

Telstar-1 was the first communication satellite which did transatlantic
Live transmissions. It was also commented by former US president
John F Kennedy.

> Many Thanks,
>
> Chris
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3959. RE: [eu-amsat] For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-04 20:28:13 UTC
From: Nick
Topic: 3950 Message: 3959

Hello John,
thanks for the info! I am pretty aware of the TR-751/851 but they are a bit difficult to find and a bit expensive to buy.I am still watching though! I have not found any sources for the Mutek front-ends and if a FT-290 appears on eBay with the front-end installed, it is extremely expensive.I can find lots of plain FT-290s and FT-790s. I have found a mod for FT-290 to improve the sensitivity and NF which will be my last resort if I do not find anything else!
I keep my eyes and ears open for opportunities.
Could you please give me more info about the auto-doppler application you mentioned? is it an iPhone application? what is the full name? it sounds interesting...!
73,Nick, SV1DJG
--- On Thu, 11/4/10, John Hackett <archie.hackett@...> wrote:

From: John Hackett <archie.hackett@...>
Subject: RE: [eu-amsat] For the potential newcomer ...
To: eu-amsat@yahoogroups.com
Date: Thursday, November 4, 2010, 12:48 PM

Hello Nick,
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If you absolutely *MUST* have auto-doppler tuning you can use Tony's ITUNE program (FREE) to tune them.

The FRT-290/790 pair are only recommended 'barefoot' for experienceds QRP'ers ... but they *ARE* RECOMMENDED for driving transverters.

Go for the TR-751E/851E pair and you can't go wrong NICK.

The same of course applies to 'comparison' rigs.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: magicnickus@...
Date: Wed, 3 Nov 2010 15:06:25 -0700
Subject: Re: [eu-amsat] For the potential newcomer ...

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>Much !!! more fun than automatic doppler tuning. I'm still using 28 year old rigs on the
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SV1DJG

3960. SV1DJG. Nick, here's the inmfo you requested.

Yahoo group: eu-amsat
Date: 2010-11-04 23:05:48 UTC
From: John Hackett
Topic: 3950 Message: 3960

Nick,
No problem, here's the info.

LA2MOA reads this forum and he has a TR-751E for sale for 1600 Norwegian kroner plus postage.
Copntact him at ... <la2moa@...>

The automatic doppler correcting software is called ... 'InstantTune' ... and can be downloaded here ...
(It's FREE).

<http://www.amsat.org/amsat/ftpsoft.html#pc-it>

It's an old DOS program that funtions perfectly! with mic-pushbutton rigs like the FT-290R/TR-751E.
Be aware that it doesn't run under WinXP because Microsoft changed the way XP handles the interrupts.
It *DOES* run under Win2K though - (just use an older PC).

I used it successfully for years! ... and still do if I feel lazy.

Read the DOC ... you can build the interface in 10 minutes!.

BTW ... where did you find the sensitivity mod for the FT-290R?.

It appears that Mutek are out of business but I might try to do something with my own standard 'deaf'
FT-290R.

Of course a mast mounted preamp helps but getting rid if the lossy diode switch and installing a new filter + mechanical relay would perk up the front end. What was the sensitivity mod you mentioned ??.

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Subject: RE: [eu-amsat] For the potential newcomer ...

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3961. Re: [eu-amsat] SV1DJG. Nick, here's the inmfo you requested.

Yahoo group: eu-amsat
Date: 2010-11-05 00:30:51 UTC
From: Nick
Topic: 3950 Message: 3961

Hello John,
thanks for the info.
here is the link to an old issue of Ham-mag
http://faucheux.free.fr/f5sld/3e.pdf
(If for any case the above link does not load the pdf file, please visit this page
http://ham.france.free.fr/crbst_17.html
and click on issue Number 3 March 2009)
There is a detailed article about giving a new life to your FT-290R. I cannot say whether this mod will transform your rig to a beast, but I am interested to hear the results if you try it.You know your rig's performance very good and you can say whether this mod makes it a better satellite machine (and how much better!).

73,Nick

--- On Fri, 11/5/10, John Hackett <archie.hackett@hotmail.com> wrote:

From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] SV1DJG. Nick, here's the inmfo you requested.
To: eu-amsat@yahoogroups.com
Date: Friday, November 5, 2010, 1:05 AM

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3962. Re: For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-05 11:13:10 UTC
From: Al
Topic: 3950 Message: 3962

--- In eu-amsat@yahoogroups.com, Nick <magicnickus@...> wrote:
>
> Hello John,
> thanks for the info! I am pretty aware of the TR-751/851 but they are a bit difficult to find and a bit expensive to buy.I am still watching though! I have not found any sources for the Mutek front-ends and if a FT-290 appears on eBay with the front-end installed, it is extremely expensive.I can find lots of plain FT-290s and FT-790s. I have found a mod for FT-290 to improve the sensitivity and NF which will be my last resort if I do not find anything else!

Hi Nick, and the group.
Like John I've used the FT290/FT790 pair and I've now owned no less than 4 FT290's since 1985.(I still have two of them, fitted with MUTEK replacement front ends. I also have a TR751e. I'd like to say that my preference is for the TR-751e, but yes, I agree, they are difficult to find. For auto-doppler correction, if thats your thing, almost any radio that has microphone up/down frequency buttons could be used, especially if the steps are programmable as many now are. It's just that you need to find or make a suitable interface.

You'll find that the FT290 is used by many people as a transverter driver. Even the standard deaf ones are good for this job. Thats what mine do now.

As to price, I suspect you will find that any decent multimode radio will not be cheap.

73 AL.
GM1SXX
(I just wish I could find a TR851 to partner my 751e:-)

3963. Re: [eu-amsat] Re: For the potential newcomer ...

Yahoo group: eu-amsat
Date: 2010-11-05 11:33:57 UTC
From: Nick
Topic: 3950 Message: 3963

HI Al and group,
I am after the TR-751 and TR-851 for a long time now but with no success and recently I decided to also look for FT-290 /790 because they appear more frequently.

The unfortunate part of my search adventure is that some times I do not check eBay daily and I have lost some good opportunities (for some reason my notifications from saved searches do not arrive on time). For example, 5 days ago i found a just-ended-auction for a TR-851 that was sold for only 170 Euros! I just missed it and I am very sad about this!
At the moment there is a running auction for a TR-851 on eBay
http://cgi.ebay.co.uk/ws/eBayISAPI.dll?ViewItem&item=170561083766
but the seller unfortunately does not ship outside Germany. If you think you have someone to pick-it up for you, maybe it is a very good opportunity.I would do the same If i had someone in Germany!
The last month I have seen 3 or 4 TR-751 (mostly from UK and Germany if I recall correctly) which either they were not shipped to Greece or they were sold at a very high price, but the TR-851 are really rare...no matter if 2 of them appeared within one week!
I am confident that I will find something soon!
73,Nick, SV1DJG

--- On Fri, 11/5/10, Al <allan_gm1sxx@...> wrote:

From: Al <allan_gm1sxx@...>
Subject: [eu-amsat] Re: For the potential newcomer ...
To: eu-amsat@yahoogroups.com
Date: Friday, November 5, 2010, 1:13 PM

--- In eu-amsat@yahoogroups.com, Nick <magicnickus@...> wrote:

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3964. RE: [eu-amsat] SV1DJG. Nick, here's the inmfo you requested.

Yahoo group: eu-amsat
Date: 2010-11-05 13:00:29 UTC
From: John Hackett
Topic: 3950 Message: 3964

Hello Nick,

Unfortunately, neither of the links work. The page
downloads but the actual issues of the magazine won't download.

Never mind, thanks for trying anyway.

The last info I found about the Mutek boards was 2005.

RThere's a notice on the website saying the page is being updated (2005)

I can't find any information after that.

My TR-851E is light years! ahead of tyhe FT-790. The perfect satellite rig if you prefer
REAL operating

... as opposed to the all-singing, all-dancing, push-button-a-minute-auto-doppler
tuning-fry-an-egg rig.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
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Date: Thu, 4 Nov 2010 17:30:51 -0700
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(If for any case the above link does not load the pdf file, please visit this page
http://ham.france.free.fr/crbst_17.html
and click on issue Number 3 March 2009)
There is a detailed article about giving a new life to your FT-290R. I cannot say whether
this mod will transform your rig to a beast, but I am interested to hear the results if you
try it.You know your rig's performance very good and you can say whether this mod makes it
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3965. Re: [amsat-bb] Encounter With Comet Hartley 2010-11-04

Yahoo group: eu-amsat
Date: 2010-11-05 20:35:51 UTC
From: Luc Leblanc
Topic: 3965 Message: 3965

As we progress deeper and deeper in the universe we are always entilted to stumble over new encounters. As a suggestion in the new
interstellar probes this video can make a nice visit card. I was for myself involved in a kind of encounter this morning around 0730 UTC on
3780KHZ with a group of stations from UK and Spain that i worked in a row: EI6S, G3LNP, G4OFY, G3UCK, G5LND, GI0VIE, G4PEL, GW4RIB

Few hours prior to theses encounter i worked on AO-51 in L/S-U mode (S on my side) KE3LB, N2JK, N2VYT, W7GPI, N8RO AA5CK, KC9ELU, KO4MA,
K8YSE, WB8OTH

As written by Drew KO4MA "In January AO-51 leaves continuous illumination for many years and many of these modes
may not be possible due to power budget and battery condition." Is this mean the above mentioned stations will be the last ones operating
on L/S mode on AO-51? Can i refer to this encounter as the "Last L/S encounter in a kind"

Visit card video:
http://www.andiesisle.com/creation/magnificent.html

> http://www.nasa.gov/mission_pages/epoxi/epoxi20101102.html
>
> This is going to be interesting as it will be the second comet examined by the Deep Impact spacecraft.
>
> 73s
>
> Bernhard VA6BMJ @ DO33FL
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3966. The Young Spanish Lady.

Yahoo group: eu-amsat
Date: 2010-11-06 08:51:33 UTC
From: John Hackett
Topic: 3966 Message: 3966

Sawatdee Al,
The young Spanish Lady? ... yes ... Miss Conception.

Seriously, it's a misconception that you need a multimode transceiver to copy HO-68's telemetry.

The following was copied on my IC-E92D FM handheld ... in AM mode ... which has no BFO (!).

Saturday 06-11-2010.

07:56

BJ1SA XW XW AAA TTB AAB ATT ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW

07:57

BJ1SA XW XW AAA TTT AAB AUE ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW

07:58

BJ1SA XW XW AAA TTT AA6 TNT TTT TTT TTT TTT TTT TTT TTT TTT TTT XW XW

(I could go on, but I won't)

Now, if I can copy HO-68's beacon on my *FM* handheld (in AM mode) *WITHOUT* a BFO - the next 'experiment' is to use my 'Spice Box' keyer ...

<http://www.observations.biz/Observations_from_Norway/observations_14_06_2008.htm>

... to transmit CW on the A band in FM mode, by keying the PTT - (AO-7's uplink) - and receive on the
B band in AM mode - thereby dispelling the myth that you need an expensive multimode rig to operate on linear satellites.

Of course, this is reserved for the CW operators and there we have a minor glitch since a lot of the FM brigade don't know what CW is.

Why do I bother when I've operated a fully automated station both professionally and as an amateur?.
Because after 10 minutes, the novelty of an automated station wears off. I tried 200mW for a while but that was too easy (no challenge) but it *DID* amuse my warped sense of humour having 200mW QSO''s qhile the 100 watt clown were calling CQ SATELLITE constantly - and not being able to work anybody.

Therefore ... new challenge ... CW operating using a 'single' FM handheld with no BFO.

... and by the way, you *CAN* copy HO-68's beacon on an Arrow indoors in a ground floor flat...
(I just did) ... so the 'excuse' of needing a *BIG* beam doesn''t hold water either.

CC'd to the group for general interest.

Imet horoshii den ... (have a good day, to you! ... and our Russian 'brethren').

73 John. <la2qaa@...>

3967. IC-E92D on CW.

Yahoo group: eu-amsat
Date: 2010-11-06 15:35:04 UTC
From: John Hackett
Topic: 3967 Message: 3967
Attachments: 1 described; binary payloads are missing from this source WARC

Hello Al,
Thanks for the MCW link - pretty much the same as the attached PDF I had on the computer.

I just take the audio output from my 'spicebox' keyer and feed it to the mic of the IC-E92D via a 2.5mm
to 2 x 3.5mm jack socket ... that way I can use the PTT, audio in *AND* speaker out, using the special ICOM patch lead.

The IC-E92D has a dedicated 12 pin connector that is waterproof but you do of course need an Icom lead since these connectors are made of unobtainium that resembles a military rubber grommet 'thingy'. It's the only way IN and OUT of the handheld since it has the standard walkie-talkie type PTT.

My system works fine on HO-68. Copied myself on AO-7 too this afternoon but I was *VERY* weak on AO-7 using the IC-E92D in the AM mode. I was trasmitting 2 watts on the TR-851E ... actually, it was nearer 2.25 watts so I was really cranking up the power (QRO) today ... (he he he).

I did blow the "sophisticated rigs and *BIG* aerials" theory out of the water though.

As previously mentioned ... the great *DISADVANTAGE* of this system is that you have to close your mouth
(!!!) and actually listen so it'll *NEVER* become popular.

(Well that cuts out 50% of em' .....LA2QAA).

Again CC'd to the group - in case anyone else is as daft as me and wants to compare notes.

73 John. <la2qaa@...>

3968. HO-68 Schedule 7-14 November

Yahoo group: eu-amsat
Date: 2010-11-07 16:08:31 UTC
From: John Hackett
Topic: 3968 Message: 3968

ALL TIMES UTC.

07 Nov 2010
==========
16:20...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:05...Turn Off

18:10...Turn On--CW/SSB
Africa,Europe,Middle East,NA
18:55...Turn Off

19:35...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:20...Turn Off

22:10...Turn On--CW/SSB
South America,NA,North Asia
22:55...Turn Off

08 Nov 2010
==========
01:55...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:08...Turn Off

12:50...Turn On--CW/SSB
NA,South America
13:35...Turn Off

16:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

17:55...Turn On--CW/SSB
NA,East Asia,Oceania
18:40...Turn Off

09 Nov 2010
==========
23:45...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
00:30...Turn Off

03:30...Turn On--CW/SSB
North Asia, East Asia,South Asia
03:44...Turn Off

09:50...Turn On--CW/SSB
Oceania,Asia,Europe
10:35...Turn Off

12:35...Turn On--CW/SSB
NA, South America
13:20...Turn Off

17:30...Turn On--CW/SSB
India,Middle East,Europe,NA
18:15...Turn Off

19:20...Turn On--CW/SSB
India,Middle East,Europe,NA
20:05...Turn Off

20:50...Turn On--CW/SSB
Africa,Europe,NA
21:35...Turn Off

10 Nov 2010
==========
23:25...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
00:10...Turn Off

03:10...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:25...Turn Off

14:05...Turn On--CW/SSB
Europe,NA,South America
14:50...Turn Off

17:15...Turn On--CW/SSB
India, Africa,Europe,NA
South America
18:00...Turn Off

19:05...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:50...Turn Off

20:30...Turn On--CW/SSB
Africa,Middle East,Europe,NA
21:15...Turn Off

23:10...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania

23:55...Turn Off

11 Nov 2010
==========
02:51...Turn On--CW/SSB
Asia,Oceania
03:07...Turn Off

13:45...Turn On--CW/SSB
Europe,NA,South America
14:30...Turn Off

17:00...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
17:45...Turn Off

18:50...Turn On--CW/SSB
Africa,Europe,NA
19:35...Turn Off

20:15...Turn On--CW/SSB
Africa,Europe,NA
21:00...Turn Off

22:55...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:40...Turn Off

12 Nov 2010
==========
02:35...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:50...Turn Off

13:30...Turn On--CW/SSB
Europe, NA,South America
14:15...Turn Off

16:45...Turn On--CW/SSB
India,Africa,Europe,NA
17:30...Turn Off

18:30...Turn On--CW/SSB
India,Africa,Europe,NA
19:15...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,NA
20:45...Turn Off

22:35...Turn On--CW/SSB
South America,NA,North Asia

23:20...Turn Off

13 Nov 2010
==========
02:19...Turn On--FM
North Asia,East Asia,South Asia
02:35...Turn Off

13:15...Turn On--CW/SSB
Europe, NA,South America
14:00...Turn Off

16:25...Turn On--CW/SSB
Africa,Europe,NA
17:10...Turn Off

18:15...Turn On--CW/SSB
India,Africa,Europe,NA
19:00...Turn Off

19:40...Turn On--CW/SSB
Africa,Europe,NA
20:25...Turn Off

22:20...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
23:05...Turn Off

14 Nov 2010
==========
02:01...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
02:15...Turn Off

12:55...Turn On--CW/SSB
Europe,NA,South America
13:40...Turn Off

3969. Re: The Young Spanish Lady.

Yahoo group: eu-amsat
Date: 2010-11-08 08:08:34 UTC
From: LA2MOA
Topic: 3966 Message: 3969

John,

Let me know when you're ready for a "FM-CW" try on any of the linear birds. I will listen for you!

Hans / LA2MOA

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Sawatdee Al,
> The young Spanish Lady? ... yes ... Miss Conception.
>
> Seriously, it's a misconception that you need a multimode transceiver to copy HO-68's telemetry.
>
> The following was copied on my IC-E92D FM handheld ... in AM mode ... which has no BFO (!).
>
> Saturday 06-11-2010.
>
> 07:56
>
> BJ1SA XW XW AAA TTB AAB ATT ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW
>
> 07:57
>
> BJ1SA XW XW AAA TTT AAB AUE ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW
>
> 07:58
>
> BJ1SA XW XW AAA TTT AA6 TNT TTT TTT TTT TTT TTT TTT TTT TTT TTT XW XW
>
> (I could go on, but I won't)
>
> Now, if I can copy HO-68's beacon on my *FM* handheld (in AM mode) *WITHOUT* a BFO - the
> next 'experiment' is to use my 'Spice Box' keyer ...
>
> <http://www.observations.biz/Observations_from_Norway/observations_14_06_2008.htm>
>
> ... to transmit CW on the A band in FM mode, by keying the PTT - (AO-7's uplink) - and receive on the
> B band in AM mode - thereby dispelling the myth that you need an expensive multimode rig to operate on linear satellites.
>
> Of course, this is reserved for the CW operators and there we have a minor glitch since a

lot of the FM brigade don't know what CW is.
>
> Why do I bother when I've operated a fully automated station both professionally and as an amateur?.
> Because after 10 minutes, the novelty of an automated station wears off. I tried 200mW for a while but that was too easy (no challenge) but it *DID* amuse my warped sense of humour having 200mW QSO''s qhile the 100 watt clown were calling CQ SATELLITE constantly - and not being able to work anybody.
>
> Therefore ... new challenge ... CW operating using a 'single' FM handheld with no BFO.
>
> ... and by the way, you *CAN* copy HO-68's beacon on an Arrow indoors in a ground floor flat...
> (I just did) ... so the 'excuse' of needing a *BIG* beam doesn''t hold water either.
>
> CC'd to the group for general interest.
>
> Imet horoshii den ... (have a good day, to you! ... and our Russian 'brethren').
>
> 73 John. <la2qaa@...>
>

3970. Nothing strange? ...

Yahoo group: eu-amsat
Date: 2010-11-08 10:14:00 UTC
From: John Hackett
Topic: 3970 Message: 3970

Nothing strange ... or is there?.

09:10

BJ1SA XW XW

AAA TTT AA6 TNE ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW

09:11

BJ1SA XW XW

AAA TTT AA6 ATT ETT TTT TTT TTT TTT TTT TTT TTT TTT XW XW

Nothing strange about the telemetry itself, quite nominal in fact. The point to note is that it was copied
on an FM handheld - WITH NO BFO - (an IC-E92D) - in AM mode.

As a CW afficiondo I derive more pleasure from ''messing' about with the king of modes than shouting
my head off on the FM satellites ... but if that is your pleasure, be my guest.

It''s strange that after more than 140 years - and for all of today's modern technology nobody has yet
devised a more effective system of communication than CW.

... and before you all dash off to your keyboards to negate a reply I might add that when I say 'effective',
I'm implying ... efficiency, low resource demand, weak signal capability, not too much brain power required ... (I could add a few extra comments there, but I won't).

So why am I babbling about this? ... go back to the first paragraph - but read and *DIGEST* it this time.

First and foremost I'm trying to dispell the nyth that you need an expensive multimode rig to work a linear satellite ... rubbish !!! ... go back and read the first paragraph again! ... but this time, digest it.

I believe that the survival of amateur radio depends on amateurs showing that they are - (once again?)
capable of doing something more! than any average 8 year old girl can do on MSN or Yahoo.

The object of the exercise is to dispel the myth that you need an expensive rig to work a linear satellite ... rubbish !!!.

I believe to retain any kind of respect in amateur radio we have to show that we are capable of doing *MORE than Joe Bloggs - (John Doe, for our American brethren) on MSN orTwatter ... (that one is for LA2QAA & GM1SXX) ... and we're *NOT* going to do that by shouting like a bunch of demented OAP's

on FM.

OAP's is an accronym for Old-age pensioners.

THUD! ...

(falls off soapbox).

73 John. <la2qaa@...>

3971. Test station.

Yahoo group: eu-amsat
Date: 2010-11-08 10:36:14 UTC
From: John Hackett
Topic: 3971 Message: 3971

Hello Hans,

>Let me know when you're ready for a "FM-CW"
>try on any of the linear birds. I will listen for you!

That would be good Hans, then I can avoid some clown coming back and saying my keying is 'up and down' ... and me having to explain that ...

1) It's being transmitted on FM ... err ... *FREQUENCY* modulation ... and ...

2) It's an experiment !!! ... to dispel a common myth.

FACT:

We used to operate CW on FM many years ago using handheld FM rigs as a transmitter, keying with the PTT.
As far as I'm aware, nobody has had a CW QSO using a *SINGLE* handheld dual mode rig for TX and RX.
That is to say, transmitting CW on FM and receiving the reply on AM.

A pseudo mini linear satellite rig.

My Spicebox keyer's audio tone allows for this - semi duplex to be sure, to be sure but I've never had a
problem on HF with semi duplex in 40 years!.

The problem with being taught to use FM satellites is the omission of the importance of the ears!.

73 John.

CC'd to the group for the general interest factor.

3972. Re: [eu-amsat] Test station.

Yahoo group: eu-amsat
Date: 2010-11-08 10:55:01 UTC
From: Thomas Frey
Topic: 3971 Message: 3972

John Hackett schrieb:
>
>
> Hello Hans,
>
> >Let me know when you're ready for a "FM-CW"
> >try on any of the linear birds. I will listen for you!
>
> That would be good Hans, then I can avoid some clown coming back and
> saying my keying is
> 'up and down' ... and me having to explain that ...
>
> 1) It's being transmitted on FM ... err ... *FREQUENCY* modulation ...
> and ...
>
> 2) It's an experiment !!! ... to dispel a common myth.
>
Hello John

Why do you not operate in FSK-CW ? All FM-TRXs has a knob for a 1750 Hz
tone. ITuPSat sends its beacon also in FSK-CW.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3973. RE: [eu-amsat] Test station.

Yahoo group: eu-amsat
Date: 2010-11-08 11:00:36 UTC
From: John Hackett
Topic: 3971 Message: 3973

Hello Thomas,
Why do I not operate in FSK CW? ... because I'm performing an experiment on an IC-E92D.

73 John. <la2qaa@amsat.org>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Mon, 8 Nov 2010 11:55:01 +0100
Subject: Re: [eu-amsat] Test station.

John Hackett schrieb:

>

>

> Hello Hans,

>

> >Let me know when you're ready for a "FM-CW"

> >try on any of the linear birds. I will listen for you!

>

> That would be good Hans, then I can avoid some clown coming back and

> saying my keying is

> 'up and down' ... and me having to explain that ...

>

> 1) It's being transmitted on FM ... err ... *FREQUENCY* modulation ...

> and ...

>

> 2) It's an experiment !!! ... to dispel a common myth.

>

Hello John

Why do you not operate in FSK-CW ? All FM-TRXs has a knob for a 1750 Hz

tone. ITuPSat sends its beacon also in FSK-CW.

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3974. AO-7 log fiasco.

Yahoo group: eu-amsat
Date: 2010-11-13 11:28:49 UTC
From: John Hackett
Topic: 3974 Message: 3974
Attachments: 1 described; binary payloads are missing from this source WARC

A self explanitory view of the A-O-7 log ... see attached entrie(s).

73 John. <la2qaa@...>

3975. AO-7 Resource Page Log

Yahoo group: eu-amsat
Date: 2010-11-15 10:14:28 UTC
From: John Hackett
Topic: 3975 Message: 3975

I see the AO-7 log is in it's usual state of disarray. Amateurs? ... above average intelligence? ...

(caugh) ... (caugh) ... (grin).

Congratulations to IK8YSS and W7LRD for managing to work stations while the transponder is OFF.

(Of course! it wasn't off - everybody else! managed to get it right).

Special congratulations to IK8YSS (despite his few 'correct' entries, he still manages to make a mistake
almost every single day!).

Did I say sloppy logging last month? ... surely !!! I was wrong?.

(Yes, it's my pet 'whinge' ... Hey! Igor, I'm trying for heart attack nr 5).

THUD!.

(Falls off soapbox).

For those that *DON'T* posess a sense of humour ... ridicule seems to be the only method of getting the message into some of those cast-iron heads.

73 John. <la2qaa@...>

3976. HO-68 Schedule 14-21 November

Yahoo group: eu-amsat
Date: 2010-11-15 17:39:32 UTC
From: John Hackett
Topic: 3976 Message: 3976

ALL TIMES UTC.

14 Nov 2010
==========
16:10...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
16:55...Turn Off

18:00...Turn On--FM/PACSAT
NA,East Asia,Oceania
18:45...Turn Off

19:25...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:10...Turn Off

22:00...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
22:45...Turn Off

15 Nov 2010
==========
01:50...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
02:05...Turn Off

14:25...Turn On--FM/PACSAT
NA, South America
15:10...Turn Off

16:00...Turn On--FM/PACSAT
India,Middle East,Europe,NA
16:45...Turn Off

17:45...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:30...Turn Off

23:35...Turn On--FM/PACSAT
NA,East Asia,Oceania
24:20...Turn Off

16 Nov 2010
==========
01:32...Turn On--FM/PACSAT

North Asia,East Asia,South Asia
01:46...Turn Off

09:40...Turn On--FM/PACSAT
NA,East Asia,Oceania
10:25...Turn Off

14:10...Turn On--FM/PACSAT
Europe,NA,South America
14:55...Turn Off

17:25...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
18:10...Turn Off

19:10...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:55...Turn Off

20:40...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
21:25...Turn Off

23:15...Turn On--FM/PACSAT
NA,North Asia,East Asia,Oceania
00:00...Turn Off

17 Nov 2010
==========
01:16...Turn On--FM/PACSAT
Asia,Oceania
01:29...Turn Off

13:55...Turn On--FM/PACSAT
Europe,NA,South America
14:40...Turn Off

17:05...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
17:55...Turn Off

18:55...Turn On--FM/PACSAT
Africa,Europe,NA
19:40...Turn Off

20:20...Turn On--FM/PACSAT
Africa,Europe,NA
21:05...Turn Off

18 Nov 2010
==========

23:45...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:30...Turn Off

02:38...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:52...Turn Off

13:35...Turn On--FM/PACSAT
Europe, NA,South America
14:20...Turn Off

16:50...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:35...Turn Off

18:40...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:25...Turn Off

20:05...Turn On--FM/PACSAT
Africa,Europe,NA
20:50...Turn Off

22:40...Turn On--FM/PACSAT
NA,North Asia, Oceania
23:25...Turn Off

19 Nov 2010
==========
02:29...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:45...Turn Off

13:20...Turn On--FM/PACSAT
Europe, NA,South America
14:05...Turn Off

16:30...Turn On--FM/PACSAT
Africa,Europe,NA
17:15...Turn Off

18:20...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:05...Turn Off

19:50...Turn On--FM/PACSAT
Africa,Europe,NA
20:35...Turn Off

22:25...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania

23:10...Turn Off

20 Nov 2010
==========
02:09...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:24...Turn Off

13:05...Turn On--FM/PACSAT
Europe,NA,South America
13:50...Turn Off

16:15...Turn On--FM/PACSAT
Africa,Europe,NA
17:00...Turn Off

18:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:50...Turn Off

19:30...Turn On--FM/PACSAT
Africa,Europe,NA
20:15...Turn Off

22:10...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
22:55...Turn Off

21 Nov 2010
==========
01:57...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:12...Turn Off

12:45...Turn On--FM/PACSAT
Europe,NA,South America
13:30...Turn Off

3977. Wheeeeeeeeeeeeeeeeeeeeeeeeeeee !!!

Yahoo group: eu-amsat
Date: 2010-11-15 18:30:22 UTC
From: John Hackett
Topic: 3977 Message: 3977

Once again, chaos reigned supreme! on the early evening pass of HO-68 in FM mode with the usual
crowd climbing on top of eachother like a monolyth and *TOTALLY* blocking the transponder for 80%
of the entire pass.

Among the more umusing was the infamous and repetative ... "59, please repeat your callsign" ... from
UT1EQ to *EVERY* station who made a transmission - (including! those who were calling somebody else) ... surely a sign of a lack of receiving capability? ... or perhaps more simply, a lack of actually listening..

The club members here refused! to believe that most of these stations were actually licensed radio amateurs.
Quite reminiscent of chipmunks ... on speed.

While I believe amateur satellites should *NOT* be out of reach of the average radio amateur who is not a millionaire - there's not a shadow of a doubt that the QRM level and atrocious operating is far! worse on HO-68 than it is on AO-51. I believe this is a direct consequence of the fact that HO-68 is easier to access and requires much lower levels of receiver sensitivity.

... some would say - (judging by the operating) ... no receiver at all !!!. I'm kidding. I believe most operators *DO* have receivers but in the heat of the moment often forget to switch their ears to the *ON* position.
The 'trick' is to combine the mouth and the ears to operate each at the right time. 80% of the pass seems to be spent with everybody talking and nobody listening.

This evening, there were not only one or two calling at the same time - there were three or four!.

I *DON*T* believe that these stations can't hear eachother ... I believe they just keep on talking despite!
the fact that somebody else is talking. That makes it very poor operating practice.
Combined with the natural alligators - (those that can't !!! hear what's going on) - it's a natural recipie for chaos.

There *ARE* instructions for recommended operating proceedures for FM satellites freely available on the internet ... whether these people are unaware of them or simply don't bother - I wouldn't like to hazard a guess ... but if I was forced, I'd bet on the latter.

73 John. <la2qaa@...>

3978. Re: [eu-amsat] Wheeeeeeeeeeeeeeeeeeeeeeeeeeee !!!

Yahoo group: eu-amsat
Date: 2010-11-16 12:14:01 UTC
From: Thomas Frey
Topic: 3977 Message: 3978

John Hackett schrieb:
>
>
> Once again, chaos reigned supreme! on the early evening pass of HO-68
> in FM mode with the usual
> crowd climbing on top of eachother like a monolyth and *TOTALLY*
> blocking the transponder for 80%
> of the entire pass.
>

And this is an other negative example against FM operating over
satellites:
http://www.southgatearc.org/news/november2010/interference_to_satellites.htm
http://www.youtube.com/watch?v=ncA5c9BPeNY

We have fairly enough FM sats in the orbit, why not switching HO-68
steadily into linear transponder operation ?

> Among the more umusing was the infamous and repetative ... "59, please
> repeat your callsign" ... from
> UT1EQ to *EVERY* station who made a transmission - (including! those
> who were calling somebody else) ... surely a sign of a lack of
> receiving capability? ... or perhaps more simply, a lack of actually
> listening..
>
> The club members here refused! to believe that most of these stations
> were actually licensed radio amateurs.
> Quite reminiscent of chipmunks ... on speed.
>
> While I believe amateur satellites should *NOT* be out of reach of the
> average radio amateur who is not a millionaire - there's not a shadow
> of a doubt that the QRM level and atrocious operating is far! worse on
> HO-68 than it is on AO-51. I believe this is a direct conseq uence of
> the fact that HO-68 is easier to access and requires much lower levels
> of receiver sensitivity.
>
> ... some would say - (judging by the operating) ... no receiver at all
> !!!. I'm kidding. I believe most operators *DO* have receivers but in
> the heat of the moment often forget to switch their ears to the *ON*
> position.
> The 'trick' is to combine the mouth and the ears to operate each at
> the right time. 80% of the pass seems to be spent with everybody
> talking and nobody listening.
>
> This evening, there were not only one or two calling at the same time
> - there were three or four!.

>
> I *DON*T* believe that these stations can't hear eachother ... I
> believe they just keep on talking despite!
> the fact that somebody else is talking. That makes it very poor
> operating practice. Combined with the natural alligators - (those that
> can't !!! hear what's going on) - it's a natural recipie for chaos.
>
> There *ARE* instructions for recommended operating procee dures for FM
> satellites freely available on the internet ... whether these people
> are unaware of them or simply don't bother - I wouldn't like to hazard
> a guess ... but if I was forced, I'd bet on the latter.
>
> 73 John. <la2qaa@...>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3979. FO-29 again ON!

Yahoo group: eu-amsat
Date: 2010-11-16 18:07:21 UTC
From: rw3xl
Topic: 3979 Message: 3979

From amsat-bb

FO-29 turned ON at 07:46UTC, 16 Nov 2010
by the effort of the control station.

JE9PEL, Mineo Wakita

I try to test it after this message and yes, find strong signal OZ1AED. Good QSO, just as earlier. Congratulation for Team!

3980. AMSAT-UK FUNcube Videos

Yahoo group: eu-amsat
Date: 2010-11-16 23:37:07 UTC
From: Trevor .
Topic: 3980 Message: 3980

A FUNcube developer meeting was held at the Martlesham Microwavers Round Table weekend, Nov 13-14, and videos are now available

The three videos are:
- Testing of the Solar Panels
- RF and PA Boards on Test
- Tour of the PA Board

They can be seen at
http://FUNcube.org.uk/working-meetings/cubesat-mtg-1314-nov-2010/#videos

FUNcube website
http://www.FUNcube.org.uk/

FUNcube SDR Dongle
http://www.FUNcubeDongle.com/

FUNcube Yahoo Group
http://groups.yahoo.com/group/FUNcube/

Getting started on Amateur Radio Satellites PDF
http://www.uk.amsat.org/content/view/408/168/

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at https://secure.amsat.org.uk/subs_form/

---
73 Trevor M5AKA

3981. Re: [amsat-bb] (no subject)

Yahoo group: eu-amsat
Date: 2010-11-18 14:12:27 UTC
From: Luc Leblanc
Topic: 3981 Message: 3981

There is a problem in the AMSAT-BB spam mail filtering but none towards this one sent on November 17 by me who was censored "AGAIN" by an
AMSAT-NA coward official who silently do his (Her...) dirty cheap job hiding himself (or herself...) behind their Acceptable Use Policy for
the AMSAT Public Mailing Lists.

That's why before sending money to support their satellite building campaign i asked who will administering the money? If it's to be return
back to any AMSAT-NA general or specific account a fair transparency minimum is to disclose it to the crowds.

Blocking my question on AMSAT-BB is already telling a lot about AMSAT-NA BOD behind the doors tricks and cheating! Nothing new will you say
AMSAT-NA BOD always pretend to be a free open and international group but in the recent past the international word vanish from any of
their papers as the words free and open also vanish under their Acceptable Use Policy for the AMSAT Public Mailing Lists.

A double standard group who prefer to maintain their membership in ignorance... It is more and more a trend that we can extrapolate at a
much higher scale too...

THE ONE WHO PASS THROUGH!!!
On 18 Nov 2010 at 3:57, rgoldham@... wrote:

Date sent: Thu, 18 Nov 2010 03:57:48 -0800 (PST)
From: rgoldham@...
Subject: [amsat-bb] (no subject)
To: continentalairlines@..., AMSAT-BB@...,
mblaue@..., KK5DO@..., hurleybutcher@...,
info@..., sidney@...
Send reply to: rgoldham@...

> http://nareyari.t35.com/
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

THE ONE WHO WAS BLOCKED!!!
On 17 Nov 2010 at 3:33, amsat-bb@... wrote:

From: Luc Leblanc <lucleblanc6@...>
To: amsat-bb@...
Subject: Re: [sarex] ARISSat-1 and FOX social media fundraising
Copies to: sarex@...
Date sent: Wed, 17 Nov 2010 03:33:20 -0500

> On 15 Nov 2010 at 23:41, Andrew Glasbrenner wrote:
>
> Date sent: Mon, 15 Nov 2010 23:41:16 -0500
> From: Andrew Glasbrenner <glasbrenner@...>
> Subject: [sarex] ARISSat-1 and FOX social media fundraising
> To: sarex@..., Amsat-BB <amsat-bb@...>
>
> The idea is to solicit support from those outside the normal
> > AMSAT membership and circles.
> >
> > Thanks for the support, and please help us pay for the costs incurred
> > during ARISSat-1 construction, and get us off to a good start as we
> > begin working on FOX!
> >
> > 73, Drew KO4MA
> > AMSAT-NA VP Operations
>
>
> A long awaited alternative funding solution for those who prefer to invest their money
"directly" in a project. We just have to know now
> who will be in charge of administering theses funds?
>
> "-"
>
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

3982. Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-18 14:20:14 UTC
From: Thomas Frey
Topic: 3982 Message: 3982

Hello All

Today's Southgate AR News (http://www.southgatearc.org/) are very interesting because of the launch of new satellites with HAM radio payloads. But Nanosail-D has a coordinated frequency of 437.305 MHz and not 437.270 MHz, see
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=115

437.270 MHz is the coordinated frequency of Nanosail-D2, see
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=166

Another satellite on the same launch is RAX "Radio Aurora Explorer", see http://rax.engin.umich.edu/ and
http://mstl.atl.calpoly.edu/%7Ejfoley/Spring2010/Spring%20Workshop%202010%20PDFs/April%2021%20Wednesday/0940%20Bennett_RAX_CSWorkshop_2010.pdf

See also my fresh updated site
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102#geplant

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3983. Re: [eu-amsat] Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-18 17:15:34 UTC
From: Chris Bloy
Topic: 3982 Message: 3983

Hi Thomas,

I believe that NanoSail-d didn't make it to orbit and this is infact NanoSail-D2 going up?

Also the same frequency is shown on the NASA page as .275

Thanks,
Chris

Sent from my iPhone

On 18 Nov 2010, at 14:20, Thomas Frey <th.frey@...> wrote:

> Hello All
>
> Today's Southgate AR News (http://www.southgatearc.org/) are very
> interesting because of the launch of new satellites with HAM radio
> payloads. But Nanosail-D has a coordinated frequency of 437.305 MHz
> and not 437.270 MHz, see
> http://www.amsat.org.uk/iaru/finished_detail.asp?serial=115
>
> 437.270 MHz is the coordinated frequency of Nanosail-D2, see
> http://www.amsat.org.uk/iaru/finished_detail.asp?serial=166
>
> Another satellite on the same launch is RAX "Radio Aurora Explorer",
> see http://rax.engin.umich.edu/ and
> http://mstl.atl.calpoly.edu/%7Ejfoley/Spring2010/Spring%20Workshop%202010%20PDFs/April%2
021%20Wednesday/0940%20Bennett_RAX_CSWorkshop_2010.pdf
>
> See also my fresh updated site
> http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102#gepl
ant
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>

3984. Re: [eu-amsat] Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-18 20:56:31 UTC
From: Thomas Frey
Topic: 3982 Message: 3984

Chris Bloy schrieb:
>
>
> Hi Thomas,

Hello Chris

>
> I believe that NanoSail-d didn't make it to orbit and this is infact
> NanoSail-D2 going up?

Yes, this could be possible. There was a failed launch in 2008
of a NanoSail.

>
> Also the same frequency is shown on the NASA page as .275

We can observe both frequencies then. Then we knows which
Nanosail, D or D2, is in orbit. Do you know of a project
homepage ? Its difficult without one. What is the URL of
this NASA page ?

>
> Thanks,
> Chris

Thanks for your reply.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3985. Re: Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-18 21:00:26 UTC
From: m5aka
Topic: 3982 Message: 3985

> Do you know of a project homepage ? Its difficult without one.
> What is the URL of this NASA page ?

NanoSail homepage at

http://nanosaild.engr.scu.edu/dashboard.htm

73 Trevor M5AKA

3986. Correcting errors in the Resource Page AO-7 log.

Yahoo group: eu-amsat
Date: 2010-11-18 22:02:35 UTC
From: John Hackett
Topic: 3986 Message: 3986

I post a similar message at least once a year for the newcomers.

73 John. <la2qaa@...>

Founder: EU Amsat.
.....

> From: RW3XL@...
> To: la2qaa@...g
> Subject: Re: AO-7 log
> Date: Thu, 18 Nov 2010 18:23:57 +0300
>
> John, many thank's!
> I don't look to bottom :) Now check and all fine.
> ---
> 73, Igor, RW3XL
>
> 18.11.2010, 18:09, "John Hackett" <archie.hackett@hotmail.com>:
> > Igor,
> > Editing your own entries in the AO-7 log.
> >
> > Make sure the check box at the bottom of the page ...
> >
> > 'REMEMBER ME NEXT TIME' box is checked. Then click on the 'hourglas' at the left-hand side of the page
> > where the incorrect entry is.
> >
> > Sometimes this works ... sometimes not.
> >
> > 73 John.

3987. UK Space Agency to use AMSAT-UK FUNcube Boards

Yahoo group: eu-amsat
Date: 2010-11-18 23:10:51 UTC
From: Trevor .
Topic: 3987 Message: 3987

The UK Space Agency is proposing to use the AMSAT-UK FUNcube boards as part of its innovative new CubeSat UKube-1 slated for launch in December 2011.

The United Kingdom Space Agency website now includes some more details of the UKube-1, a 3U CubeSat (10 * 10 * 30cm) project. See
http://www.ukspaceagency.bis.gov.uk/20084.aspx

The baseline design for this satellite includes a set of FUNcube boards to provide the educational outreach for the project. AMSAT-UK are presently discussing the precise details of this arrangement with the UKube-1 project team. This development will enable a much higher level service to be provided for Science, Technology, Engineering and Mathematics (STEM) outreach to schools than would be possible with just a single spacecraft.

An information pack is provided by the UK Space Agency is at
http://www.ukspaceagency.bis.gov.uk/assets/ZIP/CubesatAOpayload.zip

In it they reference two International Amateur Radio Union (IARU) documents regarding the Amateur Satellite Servivce:
[AD-05] IARU Amateur Satellite Frequency Coordination Request (IARU-ASFCR) (Rev. 2009-03)
[AD-06] IARU Amateur Radio Satellite (IARU-ARS) guidelines (Rev. 2006-10)

BBC report on UKube
http://www.bbc.co.uk/blogs/thereporters/jonathanamos/2010/11/uk-takes-open-source-route-int.shtml

FUNcube website
http://www.FUNcube.org.uk/

FUNcube SDR Dongle
http://www.FUNcubeDongle.com/

FUNcube Yahoo Group
http://groups.yahoo.com/group/FUNcube/

Getting started on Amateur Radio Satellites PDF
http://www.uk.amsat.org/content/view/408/168/

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at https://secure.amsat.org.uk/subs_form/

---
73 Trevor M5AKA

3988. Re: [eu-amsat] Re: Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-19 00:15:12 UTC
From: Thomas Frey
Topic: 3982 Message: 3988

m5aka schrieb:
>> Do you know of a project homepage ? Its difficult without one.
>> What is the URL of this NASA page ?
>>
> NanoSail homepage at
>
> http://nanosaild.engr.scu.edu/dashboard.htm
>
> 73 Trevor M5AKA
>
>

Thank you Trevor. Now its clear. NanoSail-D2 launches next Saturday morning and not Nanosail-D.

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3989. Thomas.

Yahoo group: eu-amsat
Date: 2010-11-19 11:13:19 UTC
From: John Hackett
Topic: 1469 Message: 3989

Thomas,
Luckily, the bad manners of young Glasbrenner on the amsat-bb is *NOT* typical of most Americans.

Both Luc and Domenic will tell you, stating an opinion that *DOESN'T* suck up to 'party policy' on that particular reflector is *NOT*
to be recommended ... that is to say, if you have an opinion that differs from Mr Glasbrenner you will be excommunicated in very short
order indeed.

At first, I assumed the gentleman was merely suffering from a 'bad day' syndrome but after personal experience off list I realised this is apparently normal behaviour for the aforementioned gentleman.

Don't worry about it Thomas, you're not the first to incur the (misplaced) wrath of this person - and you most certainly won't be the last.

This reflector ebraces! people who have an opinion of their own.

73 John. <la2qaa@...>

3990. Re: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2010-11-19 12:58:42 UTC
From: Thomas Frey
Topic: 1469 Message: 3990

John Hackett schrieb:
>
>
> Thomas,
> Luckily, the bad manners of young Glasbrenner on the
> amsat-bb is *NOT* typical of most Americans.
>
> Both Luc and Domenic will tell you, stating an opinion that *DOESN'T*
> suck up to 'party policy' on that particular reflector is *NOT*
> to be recommended ... that is to say, if you have an opinion that
> differs from Mr Glasbrenner you will be excommunicated in very short
> order indeed.
>
> At first, I assumed the gentleman was merely suffering from a 'bad
> day' syndrome but after personal experience off list I realised this
> is apparently normal behaviour for the aforementioned gentleman.
>
> Don't worry about it Thomas, you're not the first to incur the
> (misplaced) wrath of this person - and you most certainly won't be the
> last.
>
> This reflector ebraces! people who have an opinion of their own.
>
> 73 John. <la2qaa@...>
>

Thank You John for your nice words. Its OK, if Mr Glasbrenner makes a
call for donations, but not a half dozen time over all reflectors.
The reply to Domenico's mail gave me the "last drop to overflow the
bottle" (is this correct English? I learn).

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3991. Re: [eu-amsat] Re: Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-19 13:42:59 UTC
From: Marco IK1ODO -2
Topic: 3982 Message: 3991

Found the following searching the web:

Satellite -- frequency -- mode
Nanosail D -- 437.275 -- packet(speed?)+ s-band (QRG?)
O/oreos -- 437.305 -- (mode?)+ s-band (QRG?)
Fastrac-1 and -2 -- 437.345 and 145.825 FM -- 1200 Bd ?
RAX -- 437.505 -- packet 9600 Bd

Anyone has more info about my "?"
Also, have not been able to find initial TLEs for the launch.

73 - Marco IK1ODO/AI4YF

3992. Re: [eu-amsat] Re: Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-19 14:27:31 UTC
From: Thomas Frey
Topic: 3982 Message: 3992

Marco IK1ODO -2 schrieb:
>
>
> Found the following searching the web:
>
> Satellite -- frequency -- mode
> Nanosail D -- 437.275 -- packet(speed?)+ s-band (QRG?)
> O/oreos -- 437.305 -- (mode?)+ s-band (QRG?)
> Fastrac-1 and -2 -- 437.345 and 145.825 FM -- 1200 Bd ?
> RAX -- 437.505 -- packet 9600 Bd
>
> Anyone has more info about my "?"

Hello Marco

This are my collected infos:

***

NanoSail-D2
==========
Center for Robotic Exploration and Space Technolog

NanoSail-D2 is a triple cubesat proposal. It will be in a low earth orbit at 72 degrees inclination. This submission is for a beacon on board NanoSail-D2.One orbit takes about 98 minutes. The orbit is planned to be nearly circular with an altitude of 635 Km at the start of the mission, degrading to 200 Km at which time it would deorbit. The time from launch to re-entry is expected to be 70 to 100 days. It is planned that the NanoSail-D2 UHF downlink Beacon will always be operating from launch to re-entry unless there is a satellite anomaly. Command will take place on frequencies outside the Amateur Satellite Service.** Coordinated beacon downlink frequency of 437.270MHz has been agreed**
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=166

NanoSail homepage at http://nanosaild.engr.scu.edu/dashboard.htm
73 Trevor M5AKA

Space Flight Now reports on the upcoming launch of NanoSail-D which carries an Amateur Radio payload on 437.270 MHz

The satellite is slated to launch at about 02:24 UT on Saturday Nov 20.

Read the Space Flight Now article at
http://spaceflightnow.com/minotaur/stps26/101116nanosail/

If you are able to capture the beacon telemetry, please take the time to file a report at http://beacon.engr.scu.edu/Submission.aspx which is an interface to the Beacon Data Processing System.

*** NanoSail-D deceased because of a failed launch in 2008

O/OREOS
=======
This is a 5kg triple cubesat mission. The name O/OREOS comes from "Organisms/Organics Exposure to Orbital Stresses NanoSatellite" A UHF beacon is proposed with TC and TLM using the 2.4GHZ ISM service. Planned for a Dec 15th 2009 launch from OSC at Kodiak Island, Alaska into a 635km 72 deg inclination orbit. Beacon downlink has been coordinated on 437.305MHz. For more info see
http://www.amsat.org.uk/iaru/finished_detail.asp?serial=146

O/OREOS Amateur Radio satellite beacon

Samudra, N3RDX, provides information on the satellite O/OREOS Amateur Radio satellite beacon which will be on 437.305MHz from this Saturday UT.

On the AMSAT bulletin board he writes:

I have been requested to spread the word to the amateur radio community for the O/OREOS 3U cubesat to be launched this Friday [AST] on a Minotaur IV from Kodiak Island, relayed from Dr. Pascale Ehrenfreund of The George Washington University, Space Policy Institute.

AX.25 437.305 MHz Beacon decoding information:
http://beacon.engr.scu.edu/BeaconProcessingSystem/OOREOSBeaconDecoding.pdf

If you are able to capture the beacon telemetry, please take the time to file a report at http://beacon.engr.scu.edu/Submission.aspx which is an interface to the Beacon Data Processing System.

The O/OREOS project is co-sponsored by Santa Clara University, Ohlone College and NASA

Note the same system is used for reporting beacon data from GeneSat, PharmaSat and NanoSail-D.

73 de Samudra Haque, N3RDX

***

Fastrac-1 + Fastrac-2
=====================
University of Texas Satellite Design Lab

Two satellites which will separate after launch and experiment with cross link communications using 1k2 and 9k6 AX25 packet. The purpose of the FASTRAC mission is to investigate enabling technologies crucial for satellite formations, including on-orbit relative navigation, attitude determination, micro-thrust capability, and satellite crosslink communications. This will be achieved by taking on-orbit data from a

pair of twin satellites that will separate once in orbit. The data will be collected through a network of civilian ground stations and evaluated through post-processing of the recombined downlink message.The main experiment is planned to last approximately one month after launch and the satellites will remain operational until they fail or re-enter (assumed to be six months after launch).There is also radio beaconing and store-and-forward capability on each satellite that can be used by the amateur radio community after the main experiment is completed. Fastrac 1 Downlink 437.345 MHz* Now planned for a Minotaur IV launch from Kodiak Alsaka in late summer 2010** More info at fastrac.ae.utexas.edu

Dear members of the University Nanosat, Cubesat, and Amateur Radio communities,

As many of you may know, the FASTRAC satellites built by students at UT-Austin will be launched as part of the STP-S26 mission this upcoming Friday Nov 19th (around 4:30 pm AST) from Kodiak, Alaska on board a Minotaur IV rocket. The satellites will be placed into a 650 km altitude, 72 degree inclination circular orbit. For those that don't know, the FASTRAC satellites are the winners of the University Nanosat-3 Competiton and their primary mission is to demonstrate enabling technologies for small satellites.

The satellites have been designed the satellites so that amateur radio operators can track them all over the world and to do so the team has built a section on our website (http://fastrac.ae.utexas.edu/for_radio_operators/overview.php) that allows any amateur radio operator to upload data they receive from the satellites. This serves two purposes which are that the website will parse and graphically interpret the data received and also allows the team to collect data from all over the world.

With this in mind we would like to invite you to track our satellites and register on our website. All of the information to track the satellites is available on the above website where we will be posting the most up to date TLEs as they become available as well as any other pertinent information. Also, we will be posting updates as the launch approaches on our website, our Facebook page (www.facebook.com/fastracsats) and our Twitter page (www.twitter.com/fastracsats) so make sure to chek them out.

Thank you for your help. 73,

Glenn Lightsey (KE5DDG) and Sebasti?n Mu?oz (KE5FKV)
FASTRAC Principal Investigator and FASTRAC Student Program Manager

The FASTRAC Amateur Radio satellites built by university students are scheduled to launch from Kodiak, Alaska, on Saturday, Nov 20 at 02:24 UT. KE5DDG and KE5FKV have requested the help of the Amateur Radio community in tracking them.

The two FASTRAC satellites will have packet radio AX.25 beacons on 437.345 MHz and 145.825 MHz FM.

FASTRAC sats to be open to all Radio Amateurs

FASTRAC faculty adviser, Glenn KE5DDG, reports that the two FASTRAC satellites slated for launch around 02:24 UT on Saturday, Nov 20, will become available for Radio Amateurs as Digipeaters as soon as the primary mission experiment is completed.

The FASTRAC project clearly demonstrates how University CubeSat projects help attract more people into Amateur Radio with 10 people getting their licences as a direct result of working on the project.

On the AMSAT bulletin board he writes:

Many of the students who have worked on FASTRAC have amateur radio licenses, and it was our hope to engage the global amateur radio community in our project from the beginning. After launch on Nov. 19 [AST], the best way anyone can assist us is by tracking our signal, and uploading any data you collect to our web site:
http://fastrac.ae.utexas.edu/for_radio_operators/users/phpBB3/frontpage.php

Once you are registered on our web site, we will track how much data is collected by individuals and you can view health and status information about each of our satellites (FASTRAC-1 and -2, also known as Sara Lily and Emma).

After the main experiment is done, amateur radio operators can use the satellites as two-way digipeaters for as long as they remain operational.

We really appreciate all the advice and help that we have received from the amateur radio community over the years. Now, with a little bit of good luck, it will soon be time to enjoy the result!

73, Glenn KE5DDG

***

RAX
===
University of Michigan

A proposed 3U cubesat project with UHF and S Band data radios. The group has been requested to complete a Coordination Request Form. More information can be found at http://rax.engin.umich.edu/

> Also, have not been able to find initial TLEs for the launch.

NANOSAILD
1 99902U 10324.07337732 .00000070 00000-0 10975-4 0 00003
2 99902 071.9959 139.9741 0015236 274.8633 271.2807 14.72685903000014

>
> 73 - Marco IK1ODO/AI4YF
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3993. Re: [eu-amsat] Re: Nanosail-D - wrong frequency

Yahoo group: eu-amsat
Date: 2010-11-19 15:20:23 UTC
From: Marco IK1ODO -2
Topic: 3982 Message: 3993

At 15:27 19-11-10, you wrote:

>NANOSAILD
>1 99902U 10324.07337732 .00000070 00000-0 10975-4 0 00003
>2 99902 071.9959 139.9741 0015236 274.8633 271.2807 14.72685903000014

Thanks. Let see... I will sleep and let a Perseus to record the band for me :-) (10,5 GB per hour to record 400 kHz, have enough disk space for the night, hope to get the first pass tomorrow)

73 - Marco IK1ODO

3994. RE: [eu-amsat] Thomas.

Yahoo group: eu-amsat
Date: 2010-11-19 16:06:18 UTC
From: John Hackett
Topic: 1469 Message: 3994

Hello Thomas,

>"last drop to overflow the bottle" (is this correct English? I learn).

Correct Thomas ... though the more common term used in English is ...

"The last straw" - the one that broke the camel's back.

... but of course, everyone understands the last drop.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@vtxmail.ch
Date: Fri, 19 Nov 2010 13:58:42 +0100
Subject: Re: [eu-amsat] Thomas.

John Hackett schrieb:

>

>

> Thomas,

> Luckily, the bad manners of young Glasbrenner on the

> amsat-bb is *NOT* typical of most Americans.

>

> Both Luc and Domenic will tell you, stating an opinion that *DOESN'T*

> suck up to 'party policy' on that particular reflector is *NOT*

> to be recommended ... that is to say, if you have an opinion that

> differs from Mr Glasbrenner you will be excommunicated in very short

> order indeed.

>

> At first, I assumed the gentleman was merely suffering from a 'bad

> day' syndrome but after personal experience off list I realised this

> is apparently normal behaviour for the aforementioned gentleman.

>

> Don't worry about it Thomas, you're not the first to incur the

> (misplaced) wrath of this person - and you most certainly won't be the

> last.

>

> This reflector ebraces! people who have an opinion of their own.

>

> 73 John. <la2qaa@...>

>

Thank You John for your nice words. Its OK, if Mr Glasbrenner makes a

call for donations, but not a half dozen time over all reflectors.

The reply to Domenico's mail gave me the "last drop to overflow the

bottle" (is this correct English? I learn).

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

3995. OOREOS Received!

Yahoo group: eu-amsat
Date: 2010-11-21 16:51:18 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3995 Message: 3995

Hello All,

OOREOS was received on my QTH (IN70jv) at 16:28 UTC and decoded with winpack and a simple TNC.

Here are the frames:

KF6JBP>UNDEF,TELEM [21-Nov-10 17:32:27.0] <UI C>:OOREOS.org
896534016002D80202E602A3011600DD020D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:02.0] <UI C>:OOREOS.org
AB6534000500E7021F1903290302028E000D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:27.0] <UI C>:OOREOS.org
C56534014D02D90202E502A3011600DD020D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:37.0] <UI C>:OOREOS.org
CE6534030000DD0201A30131020100A0040D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:52.0] <UI C>:OOREOS.org
DD6534020300D602255700A401B5015E000D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:57.0] <UI C>:OOREOS.org
E36534039301DA0201A30131020100A0040D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:34:02.0] <UI C>:OOREOS.org
E86534000000EC021E1803580302028E000D5F094300204B46

KF6JBP>UNDEF,TELEM [21-Nov-10 17:36:22.0] <UI C>:OOREOS.org
746634009300D8021F18032D0302028E000D5F094300204B46

Greetings and 73 de EA1JM, Fran

3996. Re: [eu-amsat] OOREOS Received!

Yahoo group: eu-amsat
Date: 2010-11-21 17:15:56 UTC
From: Thomas Frey
Topic: 3995 Message: 3996

Francisco Jim?nez-Mart?n S?nchez schrieb:
>
>
> Hello All,
>
> OOREOS was received on my QTH (IN70jv) at 16:28 UTC and decoded with
> winpack and a simple TNC.
>

Congratulations Francisco. With my keplers OOREOS was over the west coast
of Greenland. I think I have wrong keplers. Can you tell us yours ?

> Here are the frames:
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:32:27.0] <UI C>:OOREOS.org
> 896534016002D80202E602A3011600DD020D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:02.0] <UI C>:OOREOS.org
> AB6534000500E7021F1903290302028E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:27.0] <UI C>:OOREOS.org
> C56534014 D02D90202E502A3011600DD020D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:37.0] <UI C>:OOREOS.org
> CE6534030000DD0201A30131020100A0040D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:52.0] <UI C>:OOREOS.org
> DD6534020300D602255700A401B5015E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:57.0] <UI C>:OOREOS.org
> E36534039301DA0201A30131020100A0040D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:34:02.0] <UI C>:OOREOS.org
> E86534000000EC021E1803580302028E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:36:22.0] <UI C>:OOREOS.org
> 746634009300D8021F18032D0302028E000D5F094300204B46
>
> Greetings and 73 de EA1JM, Fran
>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3997. RE: [eu-amsat] OOREOS Received!

Yahoo group: eu-amsat
Date: 2010-11-21 17:22:52 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3995 Message: 3997

Hello Thomas and all the group,

These are the keps used:

OOREOS

1 90022U 0 10324.91984255 +.00023222 +00000-0 +33220-2 0 0006

2 90022 071.9724 138.3591 0019173 304.9265 054.9752 14.7644207800013

I got them from the official ooreos webpage at
http://ooreos.engr.scu.edu/dashboard.htm

Beacon was also submitted via this webpage. The frequency used was 437.302
+- Doppler.

73 de EA1JM, Fran

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de
Thomas Frey
Enviado el: domingo, 21 de noviembre de 2010 18:16
Para: eu-amsat@yahoogroups.com
Asunto: Re: [eu-amsat] OOREOS Received!

Francisco Jiménez-Martín Sánchez schrieb:
>
>
> Hello All,
>
> OOREOS was received on my QTH (IN70jv) at 16:28 UTC and decoded with
> winpack and a simple TNC.
>

Congratulations Francisco. With my keplers OOREOS was over the west coast
of Greenland. I think I have wrong keplers. Can you tell us yours ?

> Here are the frames:
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:32:27.0] <UI C>:OOREOS.org
> 896534016002D80202E602A3011600DD020D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:02.0] <UI C>:OOREOS.org
> AB6534000500E7021F1903290302028E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:27.0] <UI C>:OOREOS.org
> C56534014 D02D90202E502A3011600DD020D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:37.0] <UI C>:OOREOS.org

```
> CE6534030000DD0201A30131020100A0040D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:52.0] <UI C>:OOREOS.org
> DD6534020300D602255700A401B5015E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:33:57.0] <UI C>:OOREOS.org
> E36534039301DA0201A30131020100A0040D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:34:02.0] <UI C>:OOREOS.org
> E86534000000EC021E1803580302028E000D5F094300204B46
>
> KF6JBP>UNDEF,TELEM [21-Nov-10 17:36:22.0] <UI C>:OOREOS.org
> 746634009300D8021F18032D0302028E000D5F094300204B46
>
> Greetings and 73 de EA1JM, Fran
>
>
>
>
```

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

3998. RE: [eu-amsat] OOREOS Received!

Yahoo group: eu-amsat
Date: 2010-11-21 17:48:26 UTC
From: Marco IK1ODO
Topic: 3995 Message: 3998

I confirm that OOREOS is loud and clear, and very easy to decode.
RAX is active too, the keps published by DK3WN for FASTRAC match quite well:

FASTRAC
1 90025U 0 10324.91941279 +.00047321 +00000-0 +66105-2 0 00053
2 90025 071.9688 138.3615 0022609 310.2956 049.6065 14.77203256000130

RAX is much harder to copy, I only get a good packet every 2 or 3. It
decodes acceptably on my IC-901H + TNC7MULTI, not so well on my
Perseus + VAC + MIxW.
No trace of FASTRAC however; weak signals by Saturday, not seen
today. Anyone has news?

73 - Marco IK1ODO

3999. packet program?

Yahoo group: eu-amsat
Date: 2010-11-21 20:56:31 UTC
From: Marco IK1ODO
Topic: 3877 Message: 3999

Hello Mike,

what packet progam are you using to analyze packets is this way?

```
2010-11-21 14:53:57.990 UTC: [142 Bytes KISS Frame (without CRC)]
ctrl: 3 PID: F0 {UI} 123 Payload Bytes
from FAST2 to BEACON:
1 > 46 32 31 30 30 31 34 30 38 31 31 33 33 31 39 2E 33 37 33 30
21 > 38 30 20 2B 36 33 37 38 31 33 37 2E 30 30 20 20 20 20 20 20
41 > 20 2B 30 2E 30 30 20 20 20 20 20 20 20 2B 30 2E 30 30 20 20
61 > 20 20 2B 30 2E 30 30 30 30 30 20 20 20 20 2B 30 2E 30 30 30
81 > 30 30 20 20 20 20 2B 30 2E 30 30 30 30 33 34 35 32 38 33 32
101 > 38 36 20 30 32 34 20 30 32 38 20 30 32 36 20 30 34 30 20 30
121 > 33 39 0D
F21001408113319.373080
+6378137.00 +0.00 +0.00 +0.00000 +0.00000
+0.0000345283286 024 028 026 040 039.
```

Vy 73 - Marco IK1ODO

4000. RE: [eu-amsat] packet program?

Yahoo group: eu-amsat
Date: 2010-11-21 21:10:57 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 3877 Message: 4000

I think Mike will agree with me, the program is ONLINEKISS (correct me if I☐m wrong). It☐s available in the software section of www.dk3wn.info

This is the shortcut to download
http://www.dk3wn.info/files/agw_online_kiss.zip

Thanks to Mike for his effort and his programs!

73 from EA1JM, Fran

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de Marco IK1ODO
Enviado el: domingo, 21 de noviembre de 2010 21:57
Para: eu-amsat@yahoogroups.com
Asunto: [eu-amsat] packet program?

Hello Mike,

what packet progam are you using to analyze packets is this way?

```
2010-11-21 14:53:57.990 UTC: [142 Bytes KISS Frame (without
CRC)]
ctrl: 3 PID: F0 {UI} 123 Payload Bytes
from FAST2 to BEACON:
1 > 46 32 31 30 30 31 34 30 38 31 31 33 33 31 39 2E 33 37
33 30
21 > 38 30 20 2B 36 33 37 38 31 33 37 2E 30 30 20 20 20 20 20
20
41 > 20 2B 30 2E 30 30 20 20 20 20 20 20 20 2B 30 2E 30 30 20
20
61 > 20 20 2B 30 2E 30 30 30 30 30 20 20 20 20 2B 30 2E 30 30
30
81 > 30 30 20 20 20 20 2B 30 2E 30 30 30 30 33 34 35 32 38 33
32
101 > 38 36 20 30 32 34 20 30 32 38 20 30 32 36 20 30 34 30 20
30
121 > 33 39 0D
F21001408113319.373080 +6378137.00
+0.00 +0.00
+0.00000 +0.00000 +0.0000345283286
024 028 026 040 039.
```

Vy 73 - Marco IK1ODO

4001. RE: [eu-amsat] packet program?

Yahoo group: eu-amsat
Date: 2010-11-22 07:24:51 UTC
From: Marco IK1ODO -2
Topic: 3877 Message: 4001

At 22:10 21-11-10, you wrote:
>
>
>I think Mike will agree with me, the program is ONLINEKISS (correct
>me if I'm wrong). It's available in the software section of
><http://www.dk3wn.info>www.dk3wn.info
>
>This is the shortcut to download
><http://www.dk3wn.info/files/agw_online_kiss.zip>http://www.dk3wn.info/files/agw_online_k
iss.zip
>
>Thanks to Mike for his effort and his programs!
>
>
>
>73 from EA1JM, Fran

Fran,

thanks. The email was meant direct to Mike, but I hit the "send" key
before thinking :-)

Vy 73 - Marco IK1ODO

4002. HO-68 schedule 21-28 November

Yahoo group: eu-amsat
Date: 2010-11-22 10:26:15 UTC
From: John Hackett
Topic: 4002 Message: 4002

```
ALL TIMES UTC.

21 Nov 2010
================================
16:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
16:45...Turn Off

17:50...Turn On--CW/SSB
Africa,Europe,Middle East,NA
18:35...Turn Off

19:15...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:00...Turn Off

21:50...Turn On--CW/SSB
South America,NA,North Asia
22:35...Turn Off

22 Nov 2010
================================
01:35...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:50...Turn Off

14:15...Turn On--CW/SSB
NA,South America
15:00...Turn Off

17:30...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
18:15...Turn Off

19:20...Turn On--CW/SSB
Africa,Europe,NA
20:05...Turn Off

23 Nov 2010
================================
23:25...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
00:10...Turn Off
```

01:19...Turn On--CW/SSB
North Asia, East Asia,South Asia
01:33...Turn Off

09:30...Turn On--CW/SSB
Oceania,Asia,Europe
10:15...Turn Off

14:00...Turn On--CW/SSB
NA, South America
14:45...Turn Off

17:10...Turn On--CW/SSB
India,Middle East,Europe,NA
17:55...Turn Off

19:00...Turn On--CW/SSB
India,Middle East,Europe,NA
19:45...Turn Off

20:30...Turn On--CW/SSB
Africa,Europe,NA
21:15...Turn Off

23:05...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
23:50...Turn Off

24 Nov 2010
==========
02:54...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:09...Turn Off

13:45...Turn On--CW/SSB
Europe,NA,South America
14:30...Turn Off

16:55...Turn On--CW/SSB
India, Africa,Europe,NA
South America
17:40...Turn Off

18:45...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:30...Turn Off

20:10...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:55...Turn Off

22:50...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania

23:35...Turn Off

25 Nov 2010
==========
02:32...Turn On--CW/SSB
Asia,Oceania
02:48...Turn Off

13:25...Turn On--CW/SSB
Europe,NA,South America
14:10...Turn Off

16:40...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
17:25...Turn Off

18:30...Turn On--CW/SSB
Africa,Europe,NA
19:15...Turn Off

19:55...Turn On--CW/SSB
Africa,Europe,NA
20:40...Turn Off

22:30...Turn On--CW/SSB
Oceania,Asia,Europe,NA
23:15...Turn Off

26 Nov 2010
==========
02:15...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:31...Turn Off

13:10...Turn On--CW/SSB
Europe, NA,South America
13:55...Turn Off

16:20...Turn On--CW/SSB
India,Africa,Europe,NA
17:05...Turn Off

18:15...Turn On--CW/SSB
India,Africa,Europe,NA
19:00...Turn Off

19:40...Turn On--CW/SSB
Africa,Europe,NA
20:25...Turn Off

22:15...Turn On--CW/SSB
South America,NA,North Asia

23:00...Turn Off

27 Nov 2010
==========
01:59...Turn On--FM
North Asia,East Asia,South Asia
02:14...Turn Off

12:55...Turn On--CW/SSB
Europe, NA,South America
13:40...Turn Off

16:05...Turn On--CW/SSB
Africa,Europe,NA
16:50...Turn Off

17:55...Turn On--CW/SSB
India,Africa,Europe,NA
18:40...Turn Off

19:20...Turn On--CW/SSB
Africa,Europe,NA
20:05...Turn Off

22:00...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
22:45...Turn Off

28 Nov 2010
==========
01:37...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
01:52...Turn Off

14:25...Turn On--CW/SSB
Europe,NA,South America
15:10...Turn Off

4003. QRM

Yahoo group: eu-amsat
Date: 2010-11-22 12:32:45 UTC
From: John Hackett
Topic: 4003 Message: 4003

For general interest.

The 13:10 pass of AO-51 was totally blocked by rebroadcast QRM.

One QSO between 2 x Russian speaking operators - NO CALLSIGNS GIVEN - followed by what sounded like a female taxi despatcher at work.

Whether this was a deliberate rebroadcast transmission, I really don't know.

73 John. <la2qaa@...>

4004. Re: QRM

Yahoo group: eu-amsat
Date: 2010-11-22 14:28:41 UTC
From: Al
Topic: 4003 Message: 4004

Hi Group.

This is not a new problem for AO51. It's been documented before, by Ib OZ1MY and Domenico, and others. It seems that both Spanish and Russian taxi drivers, not to mention fisherman, Spanish and otherwise, often use the amateur bands. So long as cheap radios covering the amateur bands are readily available to unlicensed people, I'm sure the problem is set to grow in magnitude.

These radios are also fairly popular on building sites, and elsewhere, where cheap radio communication is needed. I suspect they are used because they cost a fraction of what the commercial grade radios do, but the users don't care about bandplans etc. They just TX wherever they like. It's not illegal for the general public to *buy* these radios and they are on sale almost anywhere you care to look. I'm told even some radio amateurs use them :-)

Many of the foundation class license-holders around here on VHF + 70Cms could be easily mistaken for fisherman.... no callsigns and plenty of swearing. How to tell them apart.... that's the difficulty.
They all sound the same to me.

73 Al.
GM1SXX

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> For general interest.
>
> The 13:10 pass of AO-51 was totally blocked by rebroadcast QRM.
>
> One QSO between 2 x Russian speaking operators - NO CALLSIGNS GIVEN - followed by what
> sounded like a female taxi despatcher at work.
>
> Whether this was a deliberate rebroadcast transmission, I really don't know.
>
> 73 John. <la2qaa@...>
>

4005. Re: My threppence worth.

Yahoo group: eu-amsat
Date: 2010-11-22 18:09:56 UTC
From: st2nh
Topic: 3877 Message: 4005

HI

May L/U mode w'll be the solution for the future sat.!!!!!!!!!!!!

73/Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> CTCSS or not to CTCSS - that is the question ...
>
> IMHO HO-68 is the most popular (and versatile) satellite ... and yes, it uses CTCSS
>
> 99.99% of *QRM* on the FM satellites is from RADIO AMATEURS who have *NOT* taken the trouble to learn how to operate on satellites ... where a RECEIVER is all importand - and actually LISTENING to it
> is mandatory for successful contacts.
>
> Have you not noticed that the CQ SATELLITE ... CQ SATELLITE clowns only manage to work other
> CQ SATELLITE alligators.
>
> 73 Johnn <la2qaa@...>
>
> My o9pinion.
>
> 73 John. <la2qaa@...>
> To: eu-amsat@yahoogroups.com
> From: th.frey@...
> Date: Fri, 22 Oct 2010 01:00:30 +0200
> Subject: Re: [eu-amsat] Re: Russian QRM
>
>
>
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>
>
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>
>
>
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>
>
>
>
>
> m5aka schrieb:
>
> > Hi Thomas,
>
> >
>
> > It is only because some satellites are open access that we know that unlicenced interference exists in some countries.
>
> >
>
> > CTCSS means you don't know about unlicenced activity in our bands.
>
> >
>
> > I'd argue that the Amateur Radio community is better off knowing the unlicence activity exists and the areas it's coming from.
>
> >
>
> > If we don't know about it no action will ever be taken and the unlicenced use of our bands will spread.
>
> >
>
> > Several years ago Ib OZ1MY was able to produce a world map showing where interference to the Amateur Satellite Service occurred. He was only able to do this by monitoring Open Satellites, CTCSS sats provide no data.
>
> >
>
> > 73 Trevor M5AKA
>
> >
>
> >
>
>

> OK Trevor, I understand your point. But this satellites are for users
>
> who want to make QSO's and not listen to private telephone calls,
>
> fisher men, taxi driver aso. I can accept if there will be one or two
>
> days in a week reserved only for intruder watchers without CTCSS. But
>
> how do you handle this days ?
>
> ("CQ CQ CQ SATELLITE .... OOOOOOOOOOOLA") ;-)
>
>
>
> --
>
>
>
> Mit freundlichen Grüssen, Regards, 73
>
> Thomas Frey, HB9SKA
>
> _____
>
>
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
>
> http://home.datacomm.ch/th.frey/
>

4006. Chewing the same rag.

Yahoo group: eu-amsat
Date: 2010-11-22 21:52:00 UTC
From: st2nh
Topic: 4006 Message: 4006

http://forums.qrz.com/showthread.php?t=272844

73/Nader

4007. 2001 v 2011

Yahoo group: eu-amsat
Date: 2010-11-23 19:18:27 UTC
From: John Hackett
Topic: 4007 Message: 4007

10 years or so ago it wa standaed operating proceedure to ask if the frequency was in use before
calling CQ ... QRL? if you were on CW.

Today, on satellite, it appears this has gone out of fashion.

When operating QRP, one *EXPECTS* to be stomped on on the FM satellites but it's just a 'tad' tedious
experiencing it on HO-68 in linear mode.

I won't embarrass the stations concerned by giving the full callsign but it does appear that the prefixes
IK and F0 appear more than any other.

I'd been operating with Igor UA9GW so my QRP *was* being heard when the IK station came on the frequency and started calling CQ - without asking if the frequency was in use.

I completed the QSO with Igor and tuned either side of the frequency which, of course, was completely clear.

I can only wonder if such QRM was deliberate or whether both the IK station and the F0 who answered
him had less than optimimun receiving systems ... (read: ears in the *ON* position).

The propagation 'can' be different at various QTH's but it's fairly unlikely that both Italy *AND* France were experiencing an RF blackout at the same time ... on the same frequency ... since they could obviously hear eachother OK.

It's another one of the challenges of QRP.

73 John. <la2qaa@...>

4008. Re: [eu-amsat] 2001 v 2011

Yahoo group: eu-amsat
Date: 2010-11-23 21:22:39 UTC
From: Thomas Frey
Topic: 4007 Message: 4008

Hello John

I often observes on the Linear Transponders that all callers are concentrated
around the middle of the passband. During a QSO they do not correct the uplink frequency with doppler, so they moves downward in the passband and stomps over other callers or QSO's. If all users would correct the uplink only for a fixed downlink QRG we would have much less trouble with "stompers".
Name it the HB9SKA-rule if you want. ;-)

With AO-10/13 in a HEO orbit with very low doppler we had never such problems.

John Hackett schrieb:
>
>
> 10 years or so ago it wa standaed operating proceedure to ask if the
> frequency was in use before
> calling CQ ... QRL? if you were on CW.
>
> Today, on satellite, it appears this has gone out of fashion.
>
> When operating QRP, one *EXPECTS* to be stomped on on the FM
> satellites but it's just a 'tad' tedious
> experiencing it on HO-68 in linear mode.
>
> I won't embarrass the stations concerned by giving the full callsign
> but it does appear that the prefixes
> IK and F0 appear more than any other.
>
> I'd been operating with Igor UA9GW so my QRP *was* being heard when
> the IK station came on the frequency and started calling CQ - without
> asking if the frequency was in use.
>
> I completed the QSO with Igor and tuned either side of the frequency
> which, of course, was completely clear.
>
> I can only wonder if such QRM was deliberate or whether both the IK
> station and the F0 who answered
> him had less than optimimun receiving systems ... (read: ears in th e
> *ON* position).
>
> The propagation 'can' be different at various QTH's but it's fairly
> unlikely that both Italy *AND* France were experiencing an RF blackout
> at the same time ... on the same frequency ... since they could

> obviously hear eachother OK.
>
> It's another one of the challenges of QRP.
>
> 73 John. <la2qaa@...>
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4009. RE: [eu-amsat] 2001 v 2011

Yahoo group: eu-amsat
Date: 2010-11-23 22:02:18 UTC
From: John Hackett
Topic: 4007 Message: 4009

I agree with Thomas,
There were also three (3) other differences in the good old AO-13 days.

1) People actually *LISTENED* before transmitting.

2) Operators *ASKED* if the frequency was in use before calling CQ.

3) The only *FM* (amateur) satellite in general use was AO-27 ... and the standard of operating was
light years ahead of today's chicken shack operating ... but in those days, you had to *prove* you were competent to be let loose on the airwaves.

It should also be remembered Thomas ... there's a vast difference between a 15 minute LEO and an
11 hour HEO pass - and all that it entails regarding doppler.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 23 Nov 2010 22:22:39 +0100
Subject: Re: [eu-amsat] 2001 v 2011

Hello John

I often observes on the Linear Transponders that all callers are

concentrated

around the middle of the passband. During a QSO they do not correct the

uplink frequency with doppler, so they moves downward in the passband and

stomps over other callers or QSO's. If all users would correct the uplink

only for a fixed downlink QRG we would have much less trouble with

"stompers".

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> satellites but it's just a 'tad' tedious

> experiencing it on HO-68 in linear mode.

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> but it does appear that the prefixes

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> the IK station came on the frequency and started calling CQ - without

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> station and the F0 who answered

> him had less than optimimun receiving systems ... (read: ears in th e

> *ON* position).

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> at the same time ... on the same frequency ... since they could

> obviously hear eachother OK.

>

> It's another one of the challenges of QRP.

>

> 73 John. <la2qaa@...>

>

>

>

--

Mit freundlichen Grüssen, Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

4010. New award. Soyuz-Apollo

Yahoo group: eu-amsat
Date: 2010-11-24 09:25:51 UTC
From: John Hackett
Topic: 4010 Message: 4010

Excellent! Igor,
I've forwarded it to the group too.

Personally, I can't work the ISS, I'm too far north. I need either a polar orbit or an HEO satellite.

Due to the mountains here the mid-day passes over Russia at about 10 degrees are the best for me.
It keeps the southern European QRM out of the passband.

Not only is the QRP a challenge, I have to carefully judge when a satellite is not behind a mountain too.
... plus the fact that no antennas allowed here so I just do the best I can.

I miss my old satellite beams from the other QTH.

73 John. <la2qaa@...>
.....

> From: RW3XL@yandex.ru
> To: la2qaa@...
> Subject: New award. Soyuz-Apollo
> Date: Wed, 24 Nov 2010 12:10:22 +0300
>
> Hello John!
> New satellite award from our friend from Kazakhstan.
> Looks excellently. Simple rules.
> Original in http://ukw.cqun.kz/award_soyuz_apollo.html
> In two words:
> Points should be typed for one year, from 17 July to 17 July next year.
> Quantity of points is equall number of the years which have passed from year 1975 (docking Soyuz-Apollo).
> One QSO with space station obligatory, but no more than 5 QSOs valid.
> Space station give 3 points.
> Other QSOs via sat - 1 point.
> For example: in year 2010 you must type 35 points. It can be 32 QSO via sat (32 points) and 1 QSO with RS0ISS (3points).
> QSO can made in CW/Phone/Digital.
> The award is numbered and is issued in paper form.
> The application for the award (log based) certified by two licensed radio amateurs
> For applications in electronic form:
> UHF_KFRR@...
> Box 239 .
> Almaty.
> 050000 Kazakhstan

>
> Price - 5 Euro's for Kazakhstan/Belarus/Russia/Ukraine, or 10 Euro's for foreign stations.
> Way for pay send only if application is marked as valid.

4011. That's !!!! the way to do it.

Yahoo group: eu-amsat
Date: 2010-11-24 13:04:08 UTC
From: John Hackett
Topic: 4011 Message: 4011

Excellent! chaps,
ES8DH Robert running 1 watt, RW3XL Igor running 2 watts, LA2QAA John running 1 watt.
All with excellent copy on the 12:33 AO-51 pass today, 24-11-2010.

That's !!! the way to do it.

I wish I'd recored it - to show how it should !! be done.

If we keep reminding people, the message just *MIGHT* eventually sink into the alligator heads.

For those who are used to 100 watts on HF ... 2 watts on satellite, with proper operating technique
IS sufficient.

"It is vain to do with more that which can be done with less" ... William Of Occam ... 1288 - 1348.

(from ... The Principle Of Sufficient Reason).

73 John. <la2qaa@amsat.org>

4012. Re: That's !!!! the way to do it.

Yahoo group: eu-amsat
Date: 2010-11-24 21:31:45 UTC
From: st2nh
Topic: 4011 Message: 4012

Dear John - Group
On the same pass listen to what I got ???

http://www.youtube.com/watch?v=xD9DdxTTLRk

73/Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
> Excellent! chaps,
> ES8DH Robert running 1 watt, RW3XL Igor running 2 watts, LA2QAA John running 1 watt.
> All with excellent copy on the 12:33 AO-51 pass today, 24-11-2010.
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> That's !!! the way to do it.
>
> I wish I'd recored it - to show how it should !! be done.
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> For those who are used to 100 watts on HF ... 2 watts on satellite, with proper operating technique
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>
> (from ... The Principle Of Sufficient Reason).
>
> 73 John. <la2qaa@...>
>

4013. RE: [eu-amsat] Re: That's !!!! the way to do it.

Yahoo group: eu-amsat
Date: 2010-11-24 21:43:52 UTC
From: John Hackett
Topic: 4011 Message: 4013

Nader,
That's amazing! ... in a negative way. I wonder how much of that can be arributed to propagation anomolies ... because some passes only suffer from amateur QRM. ... ???

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: st2nh@...
Date: Wed, 24 Nov 2010 21:31:45 +0000
Subject: [eu-amsat] Re: That's !!!! the way to do it.

Dear John - Group

On the same pass listen to what I got ???

http://www.youtube.com/watch?v=xD9DdxTTLRk

73/Nader

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

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> ES8DH Robert running 1 watt, RW3XL Igor running 2 watts, LA2QAA John running 1 watt.

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> That's !!! the way to do it.

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> For those who are used to 100 watts on HF ... 2 watts on satellite, with proper operating technique

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>

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>

> (from ... The Principle Of Sufficient Reason).

>

> 73 John. <la2qaa@...>

>

4014. New one.

Yahoo group: eu-amsat
Date: 2010-11-25 12:30:00 UTC
From: John Hackett
Topic: 4014 Message: 4014

All,
I just worked a new one on AO-51. EX8MLT (ex: UM8MLT)in Kyrgzstan so it does !!!! pay to *LISTEN*
as well as 'gabbing' away calling CQ to nobody in particular.

73 John. <la2qaa@...>

4015. Re: [eu-amsat] Re: That's !!!! the way to do it.

Yahoo group: eu-amsat
Date: 2010-11-25 16:52:58 UTC
From: Thomas Frey
Topic: 4011 Message: 4015

st2nh schrieb:
> Dear John - Group
> On the same pass listen to what I got ???
>
> http://www.youtube.com/watch?v=xD9DdxTTLRk
>
> 73/Nader
>
>
Very nice Nader. Forward this link also to Mr Glasbrenner (KO4MA) so he can hear what happens on AO-51 outside America. As I know he is no longer subscribed to this group.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4016. That's the way to do it (South America)

Yahoo group: eu-amsat
Date: 2010-11-25 20:28:13 UTC
From: Luciano Gasparini
Topic: 4016 Message: 4016

All right!
I do agree with satellite QRP no matter what.
This afternoon, myself and PT9IR tried a contact on FO-29 with 2,5watts and guess what?
I did hear him with arm chair copy! For those not used to that expression: it means I heard him very very well!
I don't see the need for QRO. One needs to improve its ears!
By the way, I had a 12 elem 435MHz yagi and none preamp whatsoever!
Keep your power down to the lower limit! You get more fun out of it!

73,

Luciano PT9KK

4017. RE: [eu-amsat] That's the way to do it (South America)

Yahoo group: eu-amsat
Date: 2010-11-25 23:06:34 UTC
From: John Hackett
Topic: 4016 Message: 4017

Well done! Luciano.

It *IS* more fun.

73 John. <la2qaa@...>

Founder of this group of respected Hams and good operators. I was considering starting an "Operator
of the week" ... but that would be unfair to the 'other' excellent operators ... so I'll just say ... well done!
chaps ... everybody!.

To: eu-amsat@yahoogroups.com
From: luciano_nachif@...
Date: Thu, 25 Nov 2010 12:28:13 -0800
Subject: [eu-amsat] That's the way to do it (South America)

All right!
I do agree with satellite QRP no matter what.
This afternoon, myself and PT9IR tried a contact on FO-29 with 2,5watts and guess what?
I did hear him with arm chair copy! For those not used to that expression: it means I heard him very very well!
I don't see the need for QRO. One needs to improve its ears!
By the way, I had a 12 elem 435MHz yagi and none preamp whatsoever!
Keep your power down to the lower limit! You get more fun out of it!

73,

Luciano PT9KK

4018. Re: [eu-amsat] Re: That's !!!! the way to do it.

Yahoo group: eu-amsat
Date: 2010-11-26 08:53:00 UTC
From: Luc Leblanc
Topic: 4011 Message: 4018
Attachments: 1 described; binary payloads are missing from this source WARC

On 25 Nov 2010 at 17:52, Thomas Frey wrote:

Date sent: Thu, 25 Nov 2010 17:52:58 +0100
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] Re: That's !!!! the way to do it.
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> st2nh schrieb:
> > Dear John - Group
> > On the same pass listen to what I got ???
> >
> > http://www.youtube.com/watch?v=xD9DdxTTLRk
> >
> > 73/Nader
> >
> >
> Very nice Nader. Forward this link also to Mr Glasbrenner (KO4MA) so
> he can hear what happens on AO-51 outside America. As I know he is no
> longer subscribed to this group.

His personnal choice could be as the members of the group below? Choice very well illustrated in the attached picture

http://www.alaska.net/~clund/e_djublonskopf/Flatearthsociety.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4019. RE: [eu-amsat] Re: That's !!!! the way to do it. [1 Attachment]

Yahoo group: eu-amsat
Date: 2010-11-26 09:29:10 UTC
From: John Hackett
Topic: 4011 Message: 4019

Brilliant !!! Luc,
That sums it up perfectly ! ... (I know to whom you are referring).

PS.

This reflector *DOES* have room for humour.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Fri, 26 Nov 2010 03:53:00 -0500
Subject: Re: [eu-amsat] Re: That's !!!! the way to do it. [1 Attachment]

[Attachment(s) from Luc Leblanc included below]

On 25 Nov 2010 at 17:52, Thomas Frey wrote:

Date sent: Thu, 25 Nov 2010 17:52:58 +0100

From: Thomas Frey <th.frey@...>

Subject: Re: [eu-amsat] Re: That's !!!! the way to do it.

To: eu-amsat@yahoogroups.com

Send reply to: eu-amsat@yahoogroups.com

> st2nh schrieb:

> > Dear John - Group

> > On the same pass listen to what I got ???

> >

> > http://www.youtube.com/watch?v=xD9DdxTTLRk

> >

> > 73/Nader

> >

> >

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"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4020. RE: Info a bout Award "Союз-Apo llo"

Yahoo group: eu-amsat
Date: 2010-11-28 11:11:01 UTC
From: John Hackett
Topic: 4020 Message: 4020

Excellent! Igor,
Thanks. Posted to EU AMSAT as well, for general interest.

Spasibo

John. <la2qaa@...>
.....
.....

> Date: Sun, 28 Nov 2010 07:03:55 +0000
> From: un9gw@mail.ru
> To: la2qaa@...
> Subject: Info about Award "Союз-Apollo"
>
> Hi John!
>
> Look this please (if interesting):
>
>
> Award
> "Союз
> - Apollo"
>
> Diploma of the Soyuz-Apollo issued VHF Radio Sport Committee of the
> Kazakhstan Federation of Radiosport and Radioamateur for hosting the
> two-way QSO on VHF and UHF bands through amateur satellites, as well as
> for QSO, performed with the cosmonauts (astronauts) are on orbiting
> space stations.
>
> To obtain the award must be made within one calendar year from July 17
> (date of docking the Soyuz spacecraft and the Apollo - July 17, 1975)
> this year to 17 July next year to collect the number of points
> corresponding to the number of years that have elapsed since this event
> (1975). It should hold at least one radio communication with any of the
> orbital space station (eg, ISS). For two-way QSO, made through an
> artificial Earth satellite is charged 1 point for 1 st correspondent.
> Over the QSO, carried out with the cosmonaut (astronaut), an orbiting
> space station charged 3 points.
>
> Repeated QSO (no more than five) shall be counted only with the
> cosmonauts (astronauts) orbital space stations.
>
> QSO's can be conducted in any mode (CW, Fone, Digital).
> The diploma is numbered and issued only in paper form.
>
> Application for certificate is made on the basis of an extract from the

> log be certified by two radio amateurs, and sent to:
>
> for applications in paper form -
> 050000, Kazakhstan, Almaty Box 239,
> for applications in electronic form -
> UHF_KFRR@...
>
> Award fee for amateurs of the Republic of Kazakhstan and CIS - 5 euros
> for radio abroad - 10 euros.
> Bank details for payment of the cost of the diploma sent to the
> applicant only after receipt and verification of its application.
>
> All QSO's for the award of the Soyuz-Apollo counted from 01.01.2010.
>
>
> Info from: http://ukw.cqun.kz/award_soyuz_apollo.html
>
> Good luck! & Hope to meet you again via sat!
> 73!
>
> --
> **********
> Успехов! Good Luck! Bereke tap!
>
> UN9GW@...
>

4021. HO-68 schedule 28 Nov - 5 Dec.

Yahoo group: eu-amsat
Date: 2010-11-29 11:26:08 UTC
From: John Hackett
Topic: 4021 Message: 4021

ALL TIMES UTC.

28 Nov 2010
==========
17:35...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:20...Turn Off

19:25...Turn On--FM/PACSAT
NA,East Asia,Oceania
20:10...Turn Off

20:50...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
21:35...Turn Off

23:30...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
24:15...Turn Off

29 Nov 2010
==========
03:12...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
03:28...Turn Off

14:05...Turn On--FM/PACSAT
NA, South America
14:50...Turn Off

17:20...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:05...Turn Off

19:10...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:55...Turn Off

23:15...Turn On--FM/PACSAT
NA,East Asia,Oceania
24:00...Turn Off

30 Nov 2010
==========
02:55...Turn On--FM/PACSAT

North Asia,East Asia,South Asia
03:11...Turn Off

11:05...Turn On--FM/PACSAT
NA,East Asia,Oceania
11:50...Turn Off

13:50...Turn On--FM/PACSAT
Europe,NA,South America
14:35...Turn Off

17:00...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:45...Turn Off

18:55...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:40...Turn Off

20:20...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
21:05...Turn Off

01 Dec 2010
==========
00:59...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:09...Turn Off

02:39...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:54...Turn Off

13:35...Turn On--FM/PACSAT
Europe,NA,South America
14:20...Turn Off

16:45...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
17:30...Turn Off

18:35...Turn On--FM/PACSAT
Africa,Europe,NA
19:20...Turn Off

20:00...Turn On--FM/PACSAT
Africa,Europe,NA
20:45...Turn Off

02 Dec 2010
==========

00:25...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
01:10...Turn Off

02:22...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:37...Turn Off

15:05...Turn On--FM/PACSAT
Europe, NA,South America
15:50...Turn Off

16:30...Turn On--FM/PACSAT
India,Africa,Europe,NA
17:15...Turn Off

18:20...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:05...Turn Off

19:45...Turn On--FM/PACSAT
Africa,Europe,NA
20:30...Turn Off

03 Dec 2010
==========
00:10...Turn On--FM/PACSAT
NA,North Asia, Oceania
00:55...Turn Off

02:05...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:20...Turn Off

13:00...Turn On--FM/PACSAT
Europe, NA,South America
13:45...Turn Off

16:10...Turn On--FM/PACSAT
Africa,Europe,NA
16:55...Turn Off

18:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:45...Turn Off

19:30...Turn On--FM/PACSAT
Africa,Europe,NA
20:15...Turn Off

04 Dec 2010
==========
23:55...Turn On--FM/PACSAT

North Asia,East Asia,
South Asia,Oceania
00:40...Turn Off

01:48...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:03...Turn Off

14:35...Turn On--FM/PACSAT
Europe,NA,South America
15:20...Turn Off

16:00...Turn On--FM/PACSAT
Africa,Europe,NA
16:45...Turn Off

17:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:30...Turn Off

19:10...Turn On--FM/PACSAT
Africa,Europe,NA
19:55...Turn Off

23:35...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
24:20...Turn Off

05 Dec 2010
==========
01:36...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:51...Turn Off

14:15...Turn On--FM/PACSAT
Europe,NA,South America
15:00...Turn Off

4022. Winter = Homebrew Project.

Yahoo group: eu-amsat
Date: 2010-12-01 22:06:35 UTC
From: st2nh
Topic: 4022 Message: 4022

Hi ALL
See my homebrew TNC project!

http://www.youtube.com/watch?v=79iUtiU9epE

Hoping to catch soon some satellite Packet with it.

WX-temp still 40 C here :-)

73 de Nader

4023. AW: [eu-amsat] Winter = Homebrew Project.

Yahoo group: eu-amsat
Date: 2010-12-01 22:14:13 UTC
From: Mike Rupprecht
Topic: 4022 Message: 4023
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Nader,

thanks for sharing that. Nice work :-)

Hope to catch you sometime on the HO-68 packet mode ..

We have snow and -10 deg here in Germany.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von st2nh
Gesendet: Mittwoch, 1. Dezember 2010 23:07
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Winter = Homebrew Project.

Hi ALL
See my homebrew TNC project!

http://www.youtube.com/watch?v=79iUtiU9epE

Hoping to catch soon some satellite Packet with it.

WX-temp still 40 C here :-)

73 de Nader

4024. Re: [amsat-bb] NORAD Ready ...

Yahoo group: eu-amsat
Date: 2010-12-02 20:08:12 UTC
From: Luc Leblanc
Topic: 4024 Message: 4024

On 2 Dec 2010 at 11:08, Clint Bradford wrote:

Date sent: Thu, 02 Dec 2010 11:08:26 -0800
From: Clint Bradford <clintbradford@...>
Subject: [amsat-bb] NORAD Ready ...
To: AMSAT BB <amsat-bb@...>

> A tradition started with a wrong number in a Sears ad 55 years ago continues, as thousands of people from all over the world will call or e-mail NORAD to find out Santa´s Christmas Eve whereabouts.
>
> http://tinyurl.com/2ccoy6q
>
> Clint

Any Keps available? as some past and actual NORAD satellite keps used to be restricted years ago...

Here is how NORAD think his undisclosed keps are secure in the sense of away from public eyes

http://s1114.photobucket.com/albums/k531/VE2DWE/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4025. HO-68 schedule.

Yahoo group: eu-amsat
Date: 2010-12-04 15:55:48 UTC
From: John Hackett
Topic: 3655 Message: 4025

ALL TIMES UTC.

05 Dec 2010
==========
17:15...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
18:00...Turn Off

19:20...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:05...Turn Off

20:40...Turn On--CW/SSB
Africa,Europe,Middle East,NA
21:25...Turn Off

23:20...Turn On--CW/SSB
South America,NA,North Asia
24:05...Turn Off

06 Dec 2010
==========
01:20...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:34...Turn Off

13:55...Turn On--CW/SSB
NA,South America
14:40...Turn Off

17:00...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:45...Turn Off

19:00...Turn On--CW/SSB
Africa,Europe,NA
19:45...Turn Off

23:00...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:45...Turn Off

07 Dec 2010
==========

02:50...Turn On--CW/SSB
North Asia, East Asia,South Asia
03:05...Turn Off

11:00...Turn On--CW/SSB
Oceania,Asia,Europe
11:45...Turn Off

13:40...Turn On--CW/SSB
NA, South America
14:25...Turn Off

16:50...Turn On--CW/SSB
India,Middle East,Europe,NA
17:35...Turn Off

18:35...Turn On--CW/SSB
India,Middle East,Europe,NA
19:20...Turn Off

20:05...Turn On--CW/SSB
Africa,Europe,NA
20:50...Turn Off

22:45...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
23:30...Turn Off

08 Dec 2010
==========
02:28...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:44...Turn Off

13:25...Turn On--CW/SSB
Europe,NA,South America
14:10...Turn Off

16:35...Turn On--CW/SSB
India, Africa,Europe,NA
South America
17:20...Turn Off

18:15...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:00...Turn Off

19:50...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:35...Turn Off

22:30...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:15...Turn Off

09 Dec 2010
==========
02:11...Turn On--CW/SSB
Asia,Oceania
02:27...Turn Off

13:10...Turn On--CW/SSB
Europe,NA,South America
13:55...Turn Off

16:15...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
17:00...Turn Off

18:00...Turn On--CW/SSB
Africa,Europe,NA
18:45...Turn Off

19:55...Turn On--CW/SSB
Africa,Europe,NA
20:40...Turn Off

22:10...Turn On--CW/SSB
Oceania,Asia,Europe,NA
22:55...Turn Off

10 Dec 2010
==========
01:55...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:10...Turn Off

12:50...Turn On--CW/SSB
Europe, NA,South America
13:35...Turn Off

16:00...Turn On--CW/SSB
India,Africa,Europe,NA
16:45...Turn Off

17:40...Turn On--CW/SSB
India,Africa,Europe,NA
18:25...Turn Off

19:15...Turn On--CW/SSB
Africa,Europe,NA
20:00...Turn Off

11 Dec 2010
==========
23:45...Turn On--CW/SSB
South America,NA,North Asia
00:30...Turn Off

01:38...Turn On--FM
North Asia,East Asia,South Asia
01:52...Turn Off

12:30...Turn On--CW/SSB
Europe, NA,South America
13:15...Turn Off

17:35...Turn On--CW/SSB
Africa,Europe,NA
18:20...Turn Off

19:20...Turn On--CW/SSB
India,Africa,Europe,NA
20:05...Turn Off

20:45...Turn On--CW/SSB
Africa,Europe,NA
21:30...Turn Off

12 Dec 2010
==========
23:25...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
00:10...Turn Off

14:05...Turn On--CW/SSB
Europe,NA,South America
14:50...Turn Off

4026. The AO-7 log.

Yahoo group: eu-amsat
Date: 2010-12-06 11:04:40 UTC
From: John Hackett
Topic: 3934 Message: 4026

To whom it may concern.

The AO-7 Resource Page Log is no longer being administered..

73 John. <la2qaa@...>

4027. Credit where it's due ...

Yahoo group: eu-amsat
Date: 2010-12-06 13:11:20 UTC
From: John Hackett
Topic: 3069 Message: 4027

Igor (RW3XL),
Still the cleanest signal on the satellites - with excellent! operating...

Credit where it's due.

People ... listen and learn!.

73 John. <la2qaa@...>

4028. Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-06 21:55:46 UTC
From: m5aka
Topic: 4028 Message: 4028

The Russian Federation Yubileyniy 2 (RS 40) is slated for launch on March 30 into presumably a similar orbit to the main Gonets payload - 1350km 82.5 deg.

Does anyone have any details of the Amateur Radio payload that it will carry ?

73 Trevor M5AKA

4029. Re: [eu-amsat] Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 10:18:30 UTC
From: Thomas Frey
Topic: 4028 Message: 4029

m5aka schrieb:
> The Russian Federation Yubileyniy 2 (RS 40) is slated for launch on March 30 into presumably a similar orbit to the main Gonets payload - 1350km 82.5 deg.
>
> Does anyone have any details of the Amateur Radio payload that it will carry ?
>
> 73 Trevor M5AKA
>
>
Hello Trevor

Yubileiny-2 will have most likely a DOKA-Transponder which transmits in our 435MHz-band and NOT an HAM-payload !!

A few weeks ago over a weekend I heard Yubileiny(1) at the same time as AO-51. It was an interference for a short time, but we can not accept such intruders !

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4030. Re: Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 10:29:00 UTC
From: Al
Topic: 4028 Message: 4030

Hi Trevor, and group.

Yubileiny-2 is a Reshetnev bureau product. You should find more on their website. I came across an article today in the company magazine which makes mention of Yubilieiny-2.
http://www.iss-reshetnev.com/?cid=iss_magazine
Look for Issue 9

I haven't had time to look for more detailed info yet. It's likely that it will be launched as a secondary payload alongside a messenger satelite 'Gonets'. I suspect it won't be a 'real' amateur bird in the sense that it will not carry a transponder. I'd also be rather surprised if it doesn't carry the DOKA-B control system that caused so much gnashing of teeth with the first bird.

73 Al.
GM1SXX

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> The Russian Federation Yubileyniy 2 (RS 40) is slated for launch on March 30 into presumably a similar orbit to the main Gonets payload - 1350km 82.5 deg.
>
> Does anyone have any details of the Amateur Radio payload that it will carry ?
>
> 73 Trevor M5AKA
>

4031. Re: Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 10:42:01 UTC
From: Al
Topic: 4028 Message: 4031

Hi Group,

Just a little bit of digging reveals that Yubileiny is a SIBSAU (Siberian State University) project in conjunction with Reshetnev Bureau. Yet another University bird hijacking the satellite sub-bands.
You may find more detail here. http://www.sibsau.ru/

73 Al.
GM1SXX

> http://www.iss-reshetnev.com/?cid=iss_magazine
> Look for Issue 9

4032. Re: [eu-amsat] Re: Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 12:13:30 UTC
From: Thomas Frey
Topic: 4028 Message: 4032

Al schrieb:
> Yet another University bird hijacking the satellite sub-bands.
> You may find more detail here. http://www.sibsau.ru/
>
>
Hmmm... nothing found. I have translated with Google from cyrillic.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4033. RE: [eu-amsat] Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 15:12:22 UTC
From: Al copland
Topic: 4028 Message: 4033

Hi Group.

Whats the difference between another downlink only 'amateur radio' University bird and Yubileiny 1 or 2? How can one University 'downlink only' bird be classed as a ham bird , and there have been plenty of those, yet another is being classed as 'an intruder'? Where should the line be drawn? I believe all University downlink only birds are intruders. They are all just YAUBs (yet another university bird).
What makes one YAUB downlink only bird a ham payload, and another one not? I just don't get it. They are all intruders IMO and don't do anything of interest to the vast majority of hams. FM and other modes are OK but DOKA-B is not? Why not? Perhaps becase a few people think so?

I'd also remind any group members following this thread that 70Cms is most assuredly not 'our' band, as suggested below. Never has been and is never likely to be. In most countries, the government / military are the primary users.
70Cms is favoured for big RADARs and tactical comms. Look up BMEWS, a Primary user, in the UK. We are Secondary users on 70Cms. Go check your schedule please. Since at least as far back as UoSAT1 (1981) , and probably earlier, the amateur satellite allocations from HF upwards have been seen as 'fair game' by the Universities. Nothing was done to remedy that situation at the time, their satellite sub-band use was not contested, so we are all at fault for sitting on the fence. Now is not a good time to complain. It's way too late for that.

73 Al.
GM1SXX
P.S. RAF Fylingdales also must rate as an 'intruder' on 70Cms. 2.5MW of RF feeding four steerable phased arrays of pawsey stub aerials covering 360 degrees of sky, transmitting on 420-460Megacycles.
http://observations.biz/Joint_Observations/BMEWS_ed.htm
http://en.wikipedia.org/wiki/RAF_Fylingdales

> Yubileiny-2 will have most likely a DOKA-Transponder which transmits
> in our 435MHz-band and NOT an HAM-payload !!
>
> A few weeks ago over a weekend I heard Yubileiny(1) at the same time
> as AO-51. It was an interference for a short time, but we can not
> accept such intruders !

4034. Re: [eu-amsat] Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 16:58:36 UTC
From: Thomas Frey
Topic: 4028 Message: 4034

Al copland schrieb:
>
>
> Hi Group.

Hello Al
>
> Whats the difference between another downlink only 'amateur radio'
> University bird and Yubileiny 1 or 2? How can one University
> 'downlink only' bird be classed as a ham bird , and there have been
> plenty of those, yet another is being classed as 'an intruder'? Where
> should the line be drawn? I believe all University downlink only
> birds are intruders. They are all just YAUBs (yet another
> university bird).

Its easy to classify into Amateur Radio satellites and intruders.
HAM-satellites
has an open communication protocol and an usual modulation. Intruders has a
closed (secret) communication protocol and an unusual modulation. Such sats
also gets no amateur radio licence and a call sign.

Do you remember ? UO-11 is the oldest University sat in orbit and is active
again - ("YAUB").

> What makes one YAUB downlink only bird a ham payload, and another one
> not? I just don't get it. They are all intruders IMO and don't do
> anything of interest to the vast majority of hams. FM and other modes
> are OK but DOKA-B is not? Why not? Perhaps becase a few people think
> so?

DOKA-B is a closed comm. protocol. Is a demodulator and decoder freely
available ? I think NOT.

>
> I'd also remind any group members following this thread that 70Cms is
> most assuredly not 'our' band, as suggested below. Never has been and
> is never likely to be.&nbs p; In most countries, the government /
> military are the primary users.
> 70Cms is favoured for big RADARs and tactical comms. Look up BMEWS, a
> Primary user, in the UK. We are Secondary users on 70Cms. Go check
> your schedule please. Since at least as far back as UoSAT1 (1981) ,
> and probably earlier, the amateur satellite allocations from HF
> upwards have been seen as 'fair game' by the Universities. Nothing was
> done to remedy that situation at the time, their satellite sub-band
> use was not contested, so we are all at fault for sitting on the
> fence. Now is not a good time to complain. It's way too late for that.

You are right Al. I knows of one country who the allocation 435-438 MHz is exclusively allocated for amateur radio satellites - Germany.

BUT ... It's never too late to complain. If all HAM organisations would complain against intruders now, in a few years our satellite band would be clean. But this requires our all efforts. But I think this will fail and all pessimists are right again.

>
> 73 Al.
> GM1SXX
> P.S. RAF Fylingdales also must rate as an 'intruder' on 70Cms. 2.5MW
> of RF feeding four steerable phased arrays of pawsey stub aerials
> covering 360 degrees of sky, transmitting on 420-460Megacycles.
> http://observations.biz/Joint_Observations/BMEWS_ed.htm
> http://en.wikipedia.org/wiki/RA F_Fylingdales
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4035. AW: [eu-amsat] Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 17:17:23 UTC
From: Mike Rupprecht
Topic: 4028 Message: 4035
Attachments: 2 described; binary payloads are missing from this source WARC

Thomas,

DOKA-B or N is no protocol!

It□s a quasi-standard system consisting of antenna, transceiver and modem
and used by different universities of Russia.

The modulation of the data transmission is PM with Manchester-encoded data
on sidebands.

So DOKA uses 4800Bd data, one burst contains 256 frames with sync and frame
counter.

Frame length differs from satellite to satellite, however sync word is
always the same.

Data contains interleaved data, it's first and second part of a longer frame
send on even and odd numbered frames.

See here: http://www.dk3wn.info/p/?cat=17

73 Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von Thomas Frey
Gesendet: Dienstag, 7. Dezember 2010 17:59
An: eu-amsat@yahoogroups.com
Betreff: Re: [eu-amsat] Yubileyniy 2 (RS 40)

Al copland schrieb:

Hi Group.

Hello Al

Whats the difference between another downlink only 'amateur radio'
University bird and Yubileiny 1 or 2? How can one University 'downlink
only' bird be classed as a ham bird , and there have been plenty of those,
yet another is being classed as 'an intruder'? Where should the line be
drawn? I believe all University downlink only birds are intruders. They
are all just YAUBs (yet another university bird).

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BUT ... It's never too late to complain. If all HAM organisations would complain against intruders now, in a few years our satellite band would be clean. But this requires our all efforts. But I think this will fail and all pessimists are right again.

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P.S. RAF Fylingdales also must rate as an 'intruder' on 70Cms. 2.5MW of RF feeding four steerable phased arrays of pawsey stub aerials covering 360 degrees of sky, transmitting on 420-460Megacycles.
http://observations.biz/Joint_Observations/BMEWS_ed.htm
http://en.wikipedia.org/wiki/RA F_Fylingdales

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4036. Yubileiny birds and DOKA-B

Yahoo group: eu-amsat
Date: 2010-12-07 19:03:35 UTC
From: Al
Topic: 4036 Message: 4036

Hi Group.

Officially, according to Reshetnev, the Doka-B consists of a 145Mhz receiver, 435Mhz downlink transmitter,onboard computer and the onboard navigation system. As such, it's a complete spacecraft control system. As Mike says, the downlink is Manchester coded, and as such is an open protocol that's in commonplace use in many fields of electronic communication. The DOKA-B system also controls the spacecraft temperature via a passive system. Think of DOKA-B as the equivalent of an Integrated Housekeeping Unit + Command TX and RX + navigation and thermal control, and you won't go far wrong.

The original Reshetnev press release for Yubileiny-1 is at...
http://observations.biz/Observations_from_Russia/m3-screen_en.pdf
and elsewhere.

I can't find anything about DARC having primary status on 70Cms. I always believed that Germany was in IARU R1. Perhaps someone can point me in the right direction please. I know there are minor variations in 70Cms priviledges but I can't find anything meaningful.
I keep going around in circles :-)

73 Al.
GM1SXX

4037. Re: Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-07 22:25:42 UTC
From: m5aka
Topic: 4028 Message: 4037

> > P.S. RAF Fylingdales also must rate as an 'intruder' on 70Cms.2.5MW

Unfortunately not as it's their band - they are the primary user plus of course the other MoD links dotted about 430-440MHz.

There are several similar 420MHz wideband radar systems in North America and one in the Pacific - the Ronald Reagan Ballistic Missile Defense Test Site at Kwajalein Atoll.

Thanks for the info on Yubileyniy 2 I was hoping for a linear transponder but it doesn't look like it is. Shame as it's going into a good orbit.

73 Trevor M5AKA

4038. Re: [eu-amsat] Yubileiny birds and DOKA-B

Yahoo group: eu-amsat
Date: 2010-12-08 00:14:39 UTC
From: Thomas Frey
Topic: 4036 Message: 4038

Gentlemen, this all is very interesting but will not change my message before. This Russian satellites with DOKA-B system are dangerous for our own true amateur radio satellites. What would you say when this satellites with their FM signal interfere with linear transponders from e.g. FUNsat, ARISSat and other coming linear sats ?

Al schrieb:
> Hi Group.
>
> Officially, according to Reshetnev, the Doka-B consists of a 145Mhz receiver, 435Mhz downlink transmitter,onboard computer and the onboard navigation system. As such, it's a complete spacecraft control system. As Mike says, the downlink is Manchester coded, and as such is an open protocol that's in commonplace use in many fields of electronic communication. The DOKA-B system also controls the spacecraft temperature via a passive system. Think of DOKA-B as the equivalent of an Integrated Housekeeping Unit + Command TX and RX + navigation and thermal control, and you won't go far wrong.
>
> The original Reshetnev press release for Yubileiny-1 is at...
> http://observations.biz/Observations_from_Russia/m3-screen_en.pdf
> and elsewhere.
>
> I can't find anything about DARC having primary status on 70Cms. I always believed that Germany was in IARU R1. Perhaps someone can point me in the right direction please. I know there are minor variations in 70Cms priviledges but I can't find anything meaningful.
> I keep going around in circles :-)
>
> 73 Al.
> GM1SXX
>
>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4039. Re: Yubileyniy 2 (RS 40)

Yahoo group: eu-amsat
Date: 2010-12-08 08:13:54 UTC
From: Al
Topic: 4028 Message: 4039

Hi Group.

Agreed it's a great shame that Yubileiny-2 won't carry a transponder, but why would it? It's not an amateur radio bird. It's a commercial /experimental /university 'downlink-only' bird.

With the shift from Analogue to Digital TV in many countries, the universities would probably have an excellent case for asking for a small piece of the spectrum that will be freed up as a result of the shift. Of course, that would require proper planning. Analogue UHF TV used a huge chunk of prime spectrum space, from 460-890Mhz. Perhaps now would be a good time for universities to seek a small chunk of that space, before too much of it gets re-allocated, rather than freeloading in the amateur radio satellite allocations.

As to Fylingdales being an 'intruder', I was of course joking. 70Cms is not 'our' band, as the poor people who often get locked out of their cars on the Fylingdales moors might know. Yes, motor car locking systems are also on 70Cms. Like us, car locking systems are also secondary users.

Have a good day folks.

73 Al.
GM1SXX
(In chilly Scotland)

> Thanks for the info on Yubileyniy 2 I was hoping for a linear transponder but it doesn't look like it is. Shame as it's going into a good orbit.
>
> 73 Trevor M5AKA
>

4040. Yubileiny-2

Yahoo group: eu-amsat
Date: 2010-12-08 09:04:41 UTC
From: Al
Topic: 4040 Message: 4040

Hi group.

Yubileiny-2 will almost certainly be launched with Gonets-M3 & M4 birds from the 'Rainbow' launch complex LC-133 at Plesetsk using a Rockot KM vehicle as previously planned. LC-133 is a conventional launch-pad rather than a silo.
Rockot KM is a converted ICBM fitted with a Briz upper stage.

The Zarya website has the following info..
2011 Mar 16 Gonets M (x2) and Strela Launch
Rockot/Briz-KM, Plesetsk LC-133
Triplet of store/dump communications satellites - a Gonets M for the civilian system, and two are for the military/government system - Strela-3 and/or Strela-3M/Rodnik.
Postponed from 2010 December.

So, it looks like March 16th 2011 may be the launch date for Yubileiny. The postponement date matches the one I have.
This would be my 'best guess' for the launch date.

73 Al.
GM1SXX

4041. Spacex Dragon9 launch with CUBESATS?

Yahoo group: eu-amsat
Date: 2010-12-09 12:41:21 UTC
From: Al
Topic: 4041 Message: 4041

Hi group,

The first two Colony 1 satellites are manifested for launch as secondary payloads on the second flight of the Falcon 9 rocket built by Space Exploration Technologies Corp. (SpaceX) of Hawthorne, Calif., Shultz said. SpaceX plans to launch the first Falcon 9 in May and the second later on this year. The second Falcon 9 flight's primary payload is SpaceX's Dragon capsule, which is designed to deliver cargo to the international space station. The flight also will carry two cubesats built by the Los Alamos National Laboratory and one built by the Army Space and Missile Defense Command.
Source... Hobbyspace.

I have not managed to find the frequencies yet. They don't seem to be listed in the IARU pages, so *maybe* they are using 70Cms or perhaps commercial frequencies.

Also see...
http://www.spacenews.com/military/100408-nro-taps-boeing-next-cubesats.html

73 Al.
SXX

4042. Re: [eu-amsat] Spacex Dragon9 launch with CUBESATS?

Yahoo group: eu-amsat
Date: 2010-12-09 13:17:59 UTC
From: Thomas Frey
Topic: 4041 Message: 4042

Al schrieb:
> Hi group,
>
> ----------
> The first two Colony 1 satellites are manifested for launch as secondary payloads on the second flight of the Falcon 9 rocket built by Space Exploration Technologies Corp. (SpaceX) of Hawthorne, Calif., Shultz said. SpaceX plans to launch the first Falcon 9 in May and the second later on this year. The second Falcon 9 flight's primary payload is SpaceX's Dragon capsule, which is designed to deliver cargo to the international space station. The flight also will carry two cubesats built by the Los Alamos National Laboratory and one built by the Army Space and Missile Defense Command.
> Source... Hobbyspace.
> ----------
>
> I have not managed to find the frequencies yet. They don't seem to be listed in the IARU pages, so *maybe* they are using 70Cms or perhaps commercial frequencies.
>
> Also see...
> http://www.spacenews.com/military/100408-nro-taps-boeing-next-cubesats.html
>
> 73 Al.
> SXX
>

Hello Al

This CubeSat was published first on AMSAT-BB. Mineo, JE9PEL, made
a website yesterday: http://www.ne.jp/asahi/hamradio/je9pel/caeruscs.htm

And yes, the frequency is not coordinated by IARU. Allow me the
question, do we need an IARU furthermore ? Today its more and more
important that the satellite branch of IARU makes Public Relations.
Many "Cubesat clubs" have no clue of such an organisation
(http://www.iaru.org/satellite/). They mean "Amateur radio ? Ah its
free!" and confound it with CB radio.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4043. Interesting Cubesat Snippet

Yahoo group: eu-amsat
Date: 2010-12-10 11:52:03 UTC
From: Al
Topic: 4043 Message: 4043

A little news snippet.

On the Dragon C-1 flight some Microsats were released from the second stage, but *not* as I believed into LEO.

>The second stage engine was reignited in orbit. This allowed the second stage to reach a height of 11,000 kilometres (6,800 mi). It then released several CubeSats, including a small satellite built by the United States Army.[9]

Now, this is a very interesting thing, because such an orbit could be very useful to AMSAT. Of course for a communications bird, something larger than a CUBESAT spaceframe would be very desirable. The MICROSAT format would be a far better thing.

Spacex also launched and retrieved a sizeable 'cheese wheel' with the Dragon Spacecraft. It was fitted into a specially made container. Something I think to do with Elon Musk beng a fan of the Monty Python TV series. (cheese shop sketch!) And no, I am not joking.
Spacex sent me the photos in an email message.

73 Al.
GM1SXX

4044. Re: Interesting Cubesat Snippet

Yahoo group: eu-amsat
Date: 2010-12-10 12:42:07 UTC
From: m5aka
Topic: 4043 Message: 4044

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
>
> A little news snippet.
>
> On the Dragon C-1 flight some Microsats were released from the second stage, but *not* as I believed into LEO.
>
> >The second stage engine was reignited in orbit. This allowed the
> second stage to reach a height of 11,000 kilometres (6,800 mi).
> It then released several CubeSats, including a small satellite
> built by the United States Army.[9]

The US Army say SMDC-ONE is in LEO, predicting 30 days before it burns up in the atmosphere.

http://www.army.mil/-news/2010/12/08/49115-army-nanosatellite-on-first-flight/

But yes the HEO capability of Falcoln 9, mentioned at
http://www.southgatearc.org/news/december2010/falcon9_launch.htm
could be very useful. Particularly as Elon Musk indicated in an interview a willingness to fly Educational payloads on future missions.

A sat in that orbit is likely to use omni-directional antennas and clearly the path loss at that distance will be higher. However, this may mitigated by the use of 50MHz uplink and 29MHz downlink, with the sat generating 5-10 watts output and so as you say needing to be far larger than a CubeSat.

73 Trevor M5AKA

4045. Re: Interesting Cubesat Snippet

Yahoo group: eu-amsat
Date: 2010-12-10 13:48:43 UTC
From: Al
Topic: 4043 Message: 4045

Hi Group.

Elsewhere, the reports for SMDC-ONE vary. For instance At skyrocket.de it's reported that the army expect a one year operating life for their triple CUBESAT.
This link also reports a longer life expectancy.
www.smdc.army.mil/FactSheets/SMDC-One.pdf
Meanwhile, Spacedaily reports an expected life of 30 days.
Which stories are correct? Ask me in 31 days time :-)

What makes me suspicious about the 30 day quote is the report that the second stage was boosted to a higher altitude before releasing the CUBESATs, although of course, one or more may have been ejected in the lower orbit. Also, I suspect the US army may not be too keen to dish out the real facts about their mission. May not be in their best interests.

Trevor said...
> A sat in that orbit is likely to use omni-directional antennas and clearly the path loss at that distance will be higher. However, this may mitigated by the use of 50MHz uplink and 29MHz downlink, with the sat generating 5-10 watts output and so as you say needing to be far larger than a CubeSat.
>

Agreed, but I see only one fly in the ointment... no 50Mhz satellite allocation. At least, none that I could find. 50 up and 29 down would certainly be interesting though. Doppler would be very manageable. Might be a lot of fun.

I wonder.... are AMSAT transponder carrying satellites classed as 'educational'? I would hope so.

73 Al.
GM1SXX

4046. Re: [eu-amsat] Interesting Cubesat Snippet

Yahoo group: eu-amsat
Date: 2010-12-10 13:58:36 UTC
From: Thomas Frey
Topic: 4043 Message: 4046

Hello All

Al schrieb:
>
> Now, this is a very interesting thing, because such an orbit could be very useful to AMSAT.

The kepler sets are available on Space-Track.org now. I have all sets loaded in my program and analysed it. It was not useful. The inclination is only 34.5 degrees and the ground track follows over the southern hemisphere. At my QTH JN47ck I see overflights in South (180?) with a maximum elevation of about 5 degrees. But I live behind a hill to South. South European stations may have more luck.

For a HEO orbit for P3E AMSAT-DL is in contact with SpaceX.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4047. Re: Spacex Dragon9 launch with CUBESATS?

Yahoo group: eu-amsat
Date: 2010-12-10 14:35:46 UTC
From: Al
Topic: 4041 Message: 4047

Hi group.
The US Military plan a cluster of 8 CUBESATS that can relay information.
http://www.ducommun.com/pdf/SMDC-ONEMediaDeck.pdf
A 30 day lifespan seems most unlikely to me, unless this particular bird, SMDC-ONE, was only a test article.
One thing is for sure. Spacex's Falcon9 launcher is capable of reaching useful orbital heights.

73 Al.
GM1SXX

4048. celestrack not available?

Yahoo group: eu-amsat
Date: 2010-12-10 16:28:50 UTC
From: Luc Leblanc
Topic: 4048 Message: 4048

Celestrak web site in off line as of 1630 UTC did anyone succeed to access the site as orbitron cannot perform his TLE'S update and the
site himself is unavailable?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4049. RE: [eu-amsat] celestrack not available?

Yahoo group: eu-amsat
Date: 2010-12-10 16:46:18 UTC
From: Nitin Muttin
Topic: 4048 Message: 4049

Yes, there was some issue when I was updating TLE's in orbitron some time back but after four attempts it got updated. Maybe some issue with the servers or latency with the internet connectivity at the last mile.

73's

Nitin [VU3TYG]

Vu3tyg@...

www.amsatindia.org

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Luc Leblanc
Sent: Friday, December 10, 2010 9:59 PM
To: amsat-bb@...
Cc: eu-amsat@yahoogroups.com
Subject: [eu-amsat] celestrack not available?

Celestrak web site in off line as of 1630 UTC did anyone succeed to access the site as orbitron cannot perform his TLE'S update and the site himself is unavailable?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1170 / Virus Database: 426/3306 - Release Date: 12/09/10

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1170 / Virus Database: 426/3306 - Release Date: 12/09/10

4050. Re: [amsat-bb] AO-51 December schedule

Yahoo group: eu-amsat
Date: 2010-12-10 19:20:28 UTC
From: Luc Leblanc
Topic: 4050 Message: 4050

On 10 Dec 2010 at 11:39, Andrew Glasbrenner wrote:

> At the end of the month we go back into
> eclipses for a LONG time,

How long this long time will be?

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4051. AW: [eu-amsat] Re: [amsat-bb] AO-51 December schedule

Yahoo group: eu-amsat
Date: 2010-12-10 22:05:07 UTC
From: Mike Rupprecht
Topic: 4050 Message: 4051
Attachments: 3 described; binary payloads are missing from this source WARC

Hi Luc,

I think until March 2011. See attached illumination graph for the next 60 days.

The black boxes are the eclipses.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Luc Leblanc
Gesendet: Freitag, 10. Dezember 2010 20:20
An: amsat-bb@...
Cc: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Re: [amsat-bb] AO-51 December schedule

On 10 Dec 2010 at 11:39, Andrew Glasbrenner wrote:

> At the end of the month we go back into
> eclipses for a LONG time,

How long this long time will be?

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4052. Re: [eu-amsat] Re: [amsat-bb] AO-51 December schedule

Yahoo group: eu-amsat
Date: 2010-12-11 08:45:27 UTC
From: Luc Leblanc
Topic: 4050 Message: 4052

On 10 Dec 2010 at 23:05, Mike Rupprecht wrote:

Date sent: Fri, 10 Dec 2010 23:05:07 +0100
From: Mike Rupprecht <mail@...>
Subject: AW: [eu-amsat] Re: [amsat-bb] AO-51 December schedule
To: eu-amsat@yahoogroups.com
Copies to: lucleblanc6@...
Send reply to: no_reply@yahoogroups.com

> Hi Luc,
>
>
>
> I think until March 2011. See attached illumination graph for the next 60
> days.
>
> The black boxes are the eclipses.
>
>
>
> 73, Mike
>
> DK3WN
>

Thank's Mike

Batteries charging condition seems to be less than optimal if they are unable to sustain those small daily eclipse period +- 15 minutes per
hour!

As per this in May 2010: http://www.southgatearc.org/news/may2010/ao51_use_in_eclipse.htm could be AO-51 should be put on a kind of
scheduling like HO-68? or the satellite should be off for the early NA and SA morning pass as the satellite usage is very low.

As per the Space Quest web page their listed batteries products is BAT-4 Matched NiCd Flight Batteries (per cell) i don't know how the
memory effect is affecting them? By the way it seems finally that AO-51 was mainly commercially built! Another undisclosed (Or not too
disclosed) facts from AMSAT-NA!!! Could be that's the path to follow the various AMSAT'S should work as general contractor this will have
a very positive effect helping to get rid of some personal ego from some of those involved in the making of the amateur satellites ;) This
naturally take in account an ego issue among the satellite builders!

SpaceQuest's Contribution: The following Spacecraft products are implemented in the AO-51 bus:

* Battery Charge Regulator (BCR)
* UHF Hybrid Coupler (H-420)
* Flight Batteries (BAT-4)
* Integrated Flight Computer (IFC-1000)
* Programmable Permanent Magnet and Controller (PM-13)
* Triple Junction, GaAs Solar Panels

Just check: http://www.spacequest.com/success/echo.php

The Space Quest web page http://www.spacequest.com/about.php

Batteries are not equal but UO-11 is still working after all those years! What happen with our actual batteries? Are they manufactured is
some remote countries...

P.S. Did anyone ever hear about the Programmable Permanent Magnet and Controller (PM-13)?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4053. HO-68 schedule 12-19 December.

Yahoo group: eu-amsat
Date: 2010-12-12 17:15:21 UTC
From: John Hackett
Topic: 4053 Message: 4053

```
ALL TIMES UTC.

12 Dec 2010
================================
17:15...Turn On--FM/PACSAT
India, Africa, Middle East,
Europe,NA
18:00...Turn Off

19:00...Turn On--FM/PACSAT
NA,East Asia,Oceania
19:45...Turn Off

20:30...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
21:15...Turn Off

23:10...Turn On--FM/PACSAT
NA,North Asia,East Asia,
Oceania
23:55...Turn Off

13 Dec 2010
================================
02:47...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
03:01...Turn Off

13:45...Turn On--FM/PACSAT
NA, South America
14:30...Turn Off

17:00...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:45...Turn Off

18:30...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:15...Turn Off

22:50...Turn On--FM/PACSAT
NA,East Asia,Oceania
23:35...Turn Off

14 Dec 2010
=================================
02:40...Turn On--FM/PACSAT
```

North Asia,East Asia,South Asia
02:55...Turn Off

10:45...Turn On--FM/PACSAT
NA,East Asia,Oceania
11:30...Turn Off

13:30...Turn On--FM/PACSAT
Europe,NA,South America
14:15...Turn Off

16:40...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:25...Turn Off

18:30...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
19:15...Turn Off

19:55...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:40...Turn Off

15 Dec 2010
==========
00:25...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:10...Turn Off

02:18...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:34...Turn Off

12:43...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
12:57...Turn Off

13:10...Turn On--FM/PACSAT
Europe,NA,South America
13:55...Turn Off

16:25...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
17:10...Turn Off

18:15...Turn On--FM/PACSAT
Africa,Europe,NA
19:00...Turn Off

19:40...Turn On--FM/PACSAT
Africa,Europe,NA

20:25...Turn Off

16 Dec 2010
==========
00:05...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:50...Turn Off

02:01...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:17...Turn Off

14:45...Turn On--FM/PACSAT
Europe, NA,South America
15:30...Turn Off

16:05...Turn On--FM/PACSAT
India,Africa,Europe,NA
16:50...Turn Off

17:55...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:40...Turn Off

19:25...Turn On--FM/PACSAT
Africa,Europe,NA
20:10...Turn Off

17 Dec 2010
==========
23:55...Turn On--FM/PACSAT
NA,North Asia, Oceania
00:40...Turn Off

01:48...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:03...Turn Off

12:40...Turn On--FM/PACSAT
Europe, NA,South America
13:25...Turn Off

17:40...Turn On--FM/PACSAT
Africa,Europe,NA
18:25...Turn Off

19:20...Turn On--FM/PACSAT
India,Africa,Europe,NA
20:05...Turn Off

20:55...Turn On--FM/PACSAT
Africa,Europe,NA
21:40...Turn Off

18 Dec 2010
==========
23:30...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
00:15...Turn Off

01:23...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:38...Turn Off

14:10...Turn On--FM/PACSAT
Europe,NA,South America
14:55...Turn Off

17:25...Turn On--FM/PACSAT
Africa,Europe,NA
18:10...Turn Off

19:10...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:55...Turn Off

20:35...Turn On--FM/PACSAT
Africa,Europe,NA
21:20...Turn Off

23:15...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
24:00...Turn Off

19 Dec 2010
==========
01:12...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
01:20...Turn Off

13:55...Turn On--FM/PACSAT
Europe,NA,South America
14:40...Turn Off

4054. Kenwood TH-D7 config for APRS via ISS

Yahoo group: eu-amsat
Date: 2010-12-14 22:58:39 UTC
From: hb9tso
Topic: 4054 Message: 4054

Hello dear Members of the Group

Has any one experience with Kenwood TH-D7 and APRS via the ISS ?

What is the correct configuration of this RIG:

Packet Path: ?

UNPROTOCOL: ?

Minimum Antenna requirements: ?

I thanke you in advance for answering my questions.

Very nice regards

Rolf

4055. Re: [eu-amsat] Kenwood TH-D7 config for APRS via ISS

Yahoo group: eu-amsat
Date: 2010-12-15 10:57:42 UTC
From: Thomas Frey
Topic: 4054 Message: 4055

hb9tso schrieb:
> Hello dear Members of the Group
>
> Has any one experience with Kenwood TH-D7 and APRS via the ISS ?
>

Hallo Rolf

I have only experience with my PK-232 TNC but this may also help.

> What is the correct configuration of this RIG:
>
> Packet Path: ?
>
> UNPROTOCOL: ?
>

unproto APRS v ARISS

Here is an example of my raw APRS string:

=4726.07N/00812.00E-Via ISS, 73 de Thomas

=latitude/longitude-Message

>
> Minimum Antenna requirements: ?
>

Experiment with it. An external Yagi or HB9CV do the job. The
signals are strong.

> I thanke you in advance for answering my questions.
>
> Very nice regards
>
> Rolf
>
>

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4056. Spacex Falcon9 +PPOD launchers & GTO

Yahoo group: eu-amsat
Date: 2010-12-16 08:21:07 UTC
From: Al
Topic: 4056 Message: 4056

For anyone with an interest in the recent Falcon9 launch.

Spacex mounted three PPOD launchers inside the Falcon9 second stage. They can be seen in the photo with the Dragon spacecraft in the background.
Photo was taken from inside the second stage

http://groups.yahoo.com/group/eu-amsat/photos/album/952508366/pic/1116130930/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

If the link doesn't work, please see photo in GM1SXX folder.

High contrast view of the Dragon spacecraft (circle at center) viewed from the top of the second stage as it departs over the curved horizon of the Earth. The rectangles indicate locations of three of the nano satellite deploying P-PODs carried on this mission. Photo Credit: SpaceX

After separation of the Dragon spacecraft, the second stage Merlin engine restarted, carrying the second stage to an altitude of 11,000 km (6,800 mi). While restart of the second stage engine was not a requirement for this mission (or any future missions to the ISS), it is important for future Geosynchronous Transfer Orbit (GTO) missions where customer payloads need to be positioned at a high altitude.

Shortly after separating from the second stage, the expected loss of signal occurred as the Dragon spacecraft passed over the horizon as viewed from the launch site We reacquired Dragon's video signal as expected as it passed over Hawaii, delivering the first ever video sent from Dragon on orbit.

Regards,
Al.
GM1SXX

4057. Tip on how to mount the antennas

Yahoo group: eu-amsat
Date: 2010-12-16 14:54:48 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4057 Message: 4057

Hello All,

Recently I□ve bought two new antennas from Wimo, the WX-220 for 2 m. and the WX-7036 for 70 cm. Looking for some info through internet while the package is arriving at my home I see that some people has mounted the WX-220 in □+□ (horizontal and vertical) mode like it is in the case of Mike DK3WN (http://www.dk3wn.info/antennen.shtml) and the 70 cms. Antenna crossed, and some other people like in the case of EA8BHH (http://www.antenna.wimo.de/album/ea8bhh.jpg) has the two antennas in crossed mode, so in your opinions how can I get better results?

Thanks in advance for your comments,

73 de EA1JM, Fran

4058. Re: [eu-amsat] Tip on how to mount the antennas

Yahoo group: eu-amsat
Date: 2010-12-16 16:11:05 UTC
From: Thomas Frey
Topic: 4057 Message: 4058

Francisco Jim?nez-Mart?n S?nchez schrieb:
>
>
> Hello All,
>
> Recently I?ve bought two new antennas from Wimo, the WX-220 for 2 m.
> and the WX-7036 for 70 cm. Looking for some info through internet
> while the package is arriving at my home I see that some people has
> mounted the WX-220 in ?+? (horizontal and vertical) mode like it is in
> the case of Mike DK3WN (http://www.dk3wn.info/antennen.shtml) and the
> 70 cms. Antenna crossed, and some other people like in the case of
> EA8BHH (http://www.antenna.wimo.de/album/ea8bhh.jpg) has the two
> antennas in crossed mode, so in your opinions how can I get better
> results?
>

Hello Francisco

If you have a metallic boom you have to mount the antennas in 'X' form
to avoid a bad SWR and other bad effects. Otherwise you can mount it
in 'X' or '+' form.

If you want to operate also DX on 144 MHz or distant repeaters look
for a '+' mounting for horizontal and vertical polarisation.

> Thanks in advance for your comments,
>
> 73 de EA1JM, Fran
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4059. AW: [eu-amsat] Tip on how to mount the antennas

Yahoo group: eu-amsat
Date: 2010-12-16 16:31:41 UTC
From: Mike Rupprecht
Topic: 4057 Message: 4059
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Fran,

I think in my case it makes no difference because I wired both antennas (H and V) to fixed RHCP.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von Francisco Jiménez-Martín Sánchez
Gesendet: Donnerstag, 16. Dezember 2010 15:55
An: eu-amsat@yahoogroups.com
Cc: mail@...
Betreff: [eu-amsat] Tip on how to mount the antennas

Hello All,

Recently I□ve bought two new antennas from Wimo, the WX-220 for 2 m. and the WX-7036 for 70 cm. Looking for some info through internet while the package is arriving at my home I see that some people has mounted the WX-220 in □+□ (horizontal and vertical) mode like it is in the case of Mike DK3WN (http://www.dk3wn.info/antennen.shtml) and the 70 cms. Antenna crossed, and some other people like in the case of EA8BHH (http://www.antenna.wimo.de/album/ea8bhh.jpg) has the two antennas in crossed mode, so in your opinions how can I get better results?

Thanks in advance for your comments,

73 de EA1JM, Fran

4060. HO-68 Schedule 19-26 December.

Yahoo group: eu-amsat
Date: 2010-12-20 17:45:21 UTC
From: John Hackett
Topic: 4060 Message: 4060

ALL TIMES UTC.

19 Dec 2010
==========
17:05...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:50...Turn Off

18:45...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:30...Turn Off

20:20...Turn On--CW/SSB
Africa,Europe,Middle East,NA
21:05...Turn Off

23:00...Turn On--CW/SSB
South America,NA,North Asia
23:45...Turn Off

20 Dec 2010
==========
02:40...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:55...Turn Off

13:40...Turn On--CW/SSB
NA,South America
14:25...Turn Off

16:45...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:30...Turn Off

18:20...Turn On--CW/SSB
Africa,Europe,NA
19:05...Turn Off

22:40...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:25...Turn Off

21 Dec 2010
==========

02:20...Turn On--CW/SSB
North Asia, East Asia,South Asia
02:35...Turn Off

10:35...Turn On--CW/SSB
Oceania,Asia,Europe
11:20...Turn Off

13:20...Turn On--CW/SSB
NA, South America
14:05...Turn Off

16:30...Turn On--CW/SSB
India,Middle East,Europe,NA
17:15...Turn Off

18:20...Turn On--CW/SSB
India,Middle East,Europe,NA
19:05...Turn Off

19:45...Turn On--CW/SSB
Africa,Europe,NA
20:30...Turn Off

22 Dec 2010
==========
00:15...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
01:00...Turn Off

02:11...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:27...Turn Off

13:05...Turn On--CW/SSB
Europe,NA,South America
13:50...Turn Off

16:15...Turn On--CW/SSB
India, Africa,Europe,NA
South America
17:00...Turn Off

17:55...Turn On--CW/SSB
Africa,Middle East,Europe,NA
18:40...Turn Off

19:30...Turn On--CW/SSB
Africa,Middle East,Europe,NA
20:15...Turn Off

23 Dec 2010
==========
23:55...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
00:40...Turn Off

01:50...Turn On--CW/SSB
Asia,Oceania
02:03...Turn Off

14:35...Turn On--CW/SSB
Europe,NA,South America
15:20...Turn Off

16:00...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
16:45...Turn Off

17:50...Turn On--CW/SSB
Africa,Europe,NA
18:35...Turn Off

19:15...Turn On--CW/SSB
Africa,Europe,NA
20:00...Turn Off

23:40...Turn On--CW/SSB
Oceania,Asia,Europe,NA
24:25...Turn Off

24 Dec 2010
==========
01:34...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:45...Turn Off

14:15...Turn On--CW/SSB
Europe, NA,South America
15:00...Turn Off

17:30...Turn On--CW/SSB
India,Africa,Europe,NA
18:15...Turn Off

19:15...Turn On--CW/SSB
India,Africa,Europe,NA
20:00...Turn Off

20:45...Turn On--CW/SSB
Africa,Europe,NA
21:30...Turn Off

25 Dec 2010
==========
23:25...Turn On--CW/SSB
South America,NA,North Asia
00:10...Turn Off

01:12...Turn On--CW/SSB
North Asia,East Asia,South Asia
01:28...Turn Off

14:00...Turn On--CW/SSB
Europe, NA,South America
14:45...Turn Off

17:15...Turn On--CW/SSB
Africa,Europe,NA
18:00...Turn Off

19:00...Turn On--CW/SSB
India,Africa,Europe,NA
19:45...Turn Off

20:25...Turn On--CW/SSB
Africa,Europe,NA
21:10...Turn Off

23:05...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
23:50...Turn Off

26 Dec 2010
==========
02:52...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:07...Turn Off

13:45...Turn On--CW/SSB
Europe,NA,South America
14:30...Turn Off

16:55...Turn On--FM/PACSAT
Africa,Europe,NA
17:40...Turn Off

18:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:30...Turn Off

20:10...Turn On--FM/PACSAT
Africa,Europe,NA
20:55...Turn Off

22:50...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:35...Turn Off

4061. Re: [amsat-bb] Re: Go32

Yahoo group: eu-amsat
Date: 2010-12-22 11:25:38 UTC
From: Luc Leblanc
Topic: 4061 Message: 4061

>These days GO-32 goes into a strange "emergency mode" where it
>transmits something at 9600 (hard to decode)....when in this mode, it
>makes constant noise...not just your normal 9600 baud "sssshhhhhh...."
>sounds, either. The emergency mode sounds more like noise with
>distinct "clicks" in it at regular intervals (1 sec or so?)

Can we exclude this possibility?

http://www.youtube.com/watch?v=i9Of74aL4IM&feature=related

Scary...
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4062. Re: [amsat-bb] Re: Another Winner!

Yahoo group: eu-amsat
Date: 2010-12-23 23:45:43 UTC
From: Luc Leblanc
Topic: 4062 Message: 4062

>
> ...with the short term project getting a little extra because I'll
> probably see it in my lifetime (and I'm only 30).
>
> --
> Ben Jackson - N1WBV - New Bedford, MA

You got the point but YOU can see it in your expected lifetime but many of us will not and as per the actual LEO satellite use it's not
with the new-comers flow that we will able to sustain a viable satellite crowd.

The AMSAT-DL P3E project is the only viable solution who can attract more people to the sat's world, failing to do so will only patch the
holes in the hull but sooner or later the hull will be empty of water...lacking of patchers...

IMHO this will not refrain me to wished you all a very merry christmas and please enjoy the following link but follow santa instructions
carefully don't make as usual and throw the instruction book away!

http://magicsanta.ca/

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
VE2FCTCL
WAC BASIC CW PHONE SATELLITE

4063. HO-68 Schedule 26 Dec - 2 Jan.

Yahoo group: eu-amsat
Date: 2010-12-26 10:28:45 UTC
From: John Hackett
Topic: 4063 Message: 4063

All,
In this Christmas and upcoming new year, on behalf of Amsat China I am wishing you all a Merry Christmas and a wonderful New Year, expressing my appreciation for your help during the year.We wish amateur satellite community happiness and prosperity in the year ahead!

Alan Kung, BA1DU
Amsat-China
www.camsat.cn

ALL TIMES UTC.

26 Dec 2010
==========
16:55...Turn On--FM/PACSAT
Africa,Europe,NA
17:40...Turn Off

18:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:30...Turn Off

20:10...Turn On--FM/PACSAT
Africa,Europe,NA
20:55...Turn Off

22:50...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:35...Turn Off

27 Dec 2010
==========
02:31...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
02:47...Turn Off

13:25...Turn On--FM/PACSAT
NA, South America
14:10...Turn Off

16:40...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:25...Turn Off

18:15...Turn On--FM/PACSAT
India,Middle East,Europe,NA
19:00...Turn Off

28 Dec 2010
==========
00:20...Turn On--FM/PACSAT
NA,East Asia,Oceania
01:05...Turn Off

02:14...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:30...Turn Off

10:25...Turn On--FM/PACSAT
NA,East Asia,Oceania
11:10...Turn Off

13:10...Turn On--FM/PACSAT
Europe,NA,South America
13:55...Turn Off

16:25...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
17:10...Turn Off

18:10...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
18:55...Turn Off

19:35...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:20...Turn Off

29 Dec 2010
==========
00:05...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
00:50...Turn Off

01:53...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:08...Turn Off

12:50...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
13:35...Turn Off

16:05...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
16:50...Turn Off

17:55...Turn On--FM/PACSAT
Africa,Europe,NA
18:40...Turn Off

19:20...Turn On--FM/PACSAT
Africa,Europe,NA
20:05...Turn Off

30 Dec 2010
==========
23:45...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:30...Turn Off

01:30...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:15...Turn Off

14:20...Turn On--FM/PACSAT
Europe, NA,South America
15:05...Turn Off

17:40...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:25...Turn Off

19:25...Turn On--FM/PACSAT
India,Africa,Europe,NA
20:10...Turn Off

20:50...Turn On--FM/PACSAT
Africa,Europe,NA
21:35...Turn Off

23:30...Turn On--FM/PACSAT
NA,North Asia, Oceania
00:15...Turn Off

31 Dec 2010
==========
01:00...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:45...Turn Off

14:05...Turn On--FM/PACSAT
Europe, NA,South America
14:50...Turn Off

17:20...Turn On--FM/PACSAT
Africa,Europe,NA
18:05...Turn Off

19:05...Turn On--FM/PACSAT
India,Africa,Europe,NA

19:50...Turn Off

20:35...Turn On--FM/PACSAT
Africa,Europe,NA
21:20...Turn Off

23:15...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
00:00...Turn Off

01 Jan 2011
==========
02:59...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
03:14...Turn Off

13:50...Turn On--FM/PACSAT
Europe,NA,South America
14:35...Turn Off

17:00...Turn On--FM/PACSAT
Africa,Europe,NA
17:45...Turn Off

18:50...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:35...Turn Off

20:15...Turn On--FM/PACSAT
Africa,Europe,NA
21:00...Turn Off

22:55...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:40...Turn Off

02 Jan 2011
==========
02:41...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:57...Turn Off

13:35...Turn On--FM/PACSAT
Europe,NA,South America
14:20...Turn Off

4064. HO-68 Schedule whinging.

Yahoo group: eu-amsat
Date: 2010-12-26 11:05:56 UTC
From: John Hackett
Topic: 4064 Message: 4064

After having read the HO-68 schedule whinging in 2010 I'd like to remind everyone that the world is split into different time zones - and that HO-68 encompasses the entire globe in the space of 90 minutes or so - (don't split hairs!).

IMHO, Alan Kung & Co do an excellent! job of giving everyone a fair crack at the whip.

RULE FOR 2011.

Think before you speak.

HO-68 was *NOT* designed to be anyone's personal satellite.

Wishing the entire group a Happy, properous and peaceful New Year.

73 John. <la2qaa@...>

4065. Re: [eu-amsat] HO-68 Schedule whinging.

Yahoo group: eu-amsat
Date: 2010-12-26 12:42:57 UTC
From: Thomas Frey
Topic: 4064 Message: 4065

John Hackett schrieb:
>
>
> After having read the HO-68 schedule whinging in 2010 I'd like to
> remind everyone that the
> world is split into different time zones - and that HO-68 encompasses
> the entire globe in
> the space of 90 minutes or so - (don't split hairs!).
>
> IMHO, Alan Kung & Co do an excellent! job of giving everyone a fair
> crack at the whip.
>
> RULE FOR 2011.
>
> Think before you speak.
>
> HO-68 was *NOT* designed to be anyone's personal satellite.
>
> Wishing the entire group a Happy, properous and peaceful New Year.
>
> 73 John. <la2qaa@...>
>

Hello John and Group

Also for you a Happy, prosperous, peaceful and healthily New Year.
And be belligerent in future as in past. ;-)

--

Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4066. AMSAT-UK FUNcube SDR Dongle Video

Yahoo group: eu-amsat
Date: 2010-12-30 11:20:27 UTC
From: m5aka
Topic: 4066 Message: 4066

Henk, PA3GUO, has produced a HD video showing the AMSAT-UK FUNcube SDR dongle receiving signals from Amateur Radio satellites.

On the FUNcube Yahoo Group Henk writes:

YouTube video featuring the first results;
- HO68 CW
- HO68 FM
- AO51 FM
- VO52 SSB
- OOREOS 1k2 AX25 (packet radio with MixW)

Results are amazing. The FUNcubeDongle gives results similar to the Kenwood TS2000x.

Tests are done with the dongle straight out of the box, no tweaking.

Great achievement Howard & team !

Watch FUNcube Dongle: Out Of The Box test of this highly innovative SDR

http://www.youtube.com/watch?v=xFZGlqKPPQo
(HD video: set to 720p and Fullscreen)

Henk used a Mast Head pre-amp for the 2m and 70cm bands.

The FUNcube Software Defined Radio Dongle was originally developed for educational outreach as part of the ground segment for the FUNcube satellite. However it was realised it can be used for many other applications as well, so AMSAT-UK developed the Pro version which covers 64 to 1700 MHz and sells for around £125.

You can join the FUNcube Yahoo Group at
http://groups.yahoo.com/group/FUNcube/

FUNcube SDR Dongle
http://www.funcubedongle.com/
Order at http://www.funcubedongle.com/?page_id=286

FUNcube website
http://www.FUNcube.org.uk/

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at http://tinyurl.com/JoinAMSAT-UK

---
73 Trevor M5AKA

4067. Re: [eu-amsat] AMSAT-UK FUNcube SDR Dongle Video

Yahoo group: eu-amsat
Date: 2010-12-30 15:23:16 UTC
From: Thomas Frey
Topic: 4066 Message: 4067

m5aka schrieb:
> Henk, PA3GUO, has produced a HD video showing the AMSAT-UK FUNcube SDR
> dongle receiving signals from Amateur Radio satellites.
>
>

Hello Trevor and Group

This is really impressing. If I saw it correct, Henk connected the dongle directly to the antenna cable with a N-adapter I think. On the other side he connected the dongle with a A-A type M/F USB-cable to his PC. Very handy, so he has no cable losses to his PC.

(Aaahh... thats new: cable losses to the PC instead to the receiver. :-)

> ----
> 73 Trevor M5AKA
>
>

--

Happy and a peaceful New Year, 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4068. HNY 2011

Yahoo group: eu-amsat
Date: 2010-12-31 08:50:16 UTC
From: yo9gjx
Topic: 4068 Message: 4068

Happy New Year to all on earth and in the sky!
73

4069. HNY.

Yahoo group: eu-amsat
Date: 2010-12-31 09:30:47 UTC
From: John Hackett
Topic: 4069 Message: 4069

Wishing everyone in the group ... and elsewhere, no matter what persuasion (religion) a Happy,
Prosperous and Peaceful New Year.

73 John. <la2qaa@...>

4070. HNY.

Yahoo group: eu-amsat
Date: 2010-12-31 11:11:34 UTC
From: rw3xl
Topic: 4069 Message: 4070

Friends, I congratulate all of you happy New Year!
Let it will bring to everyone that they want.
I wish you health and happiness.

4071. Happy New Year!

Yahoo group: eu-amsat
Date: 2010-12-31 20:30:47 UTC
From: Luc Leblanc
Topic: 4071 Message: 4071

New Year´s Wishes

I wish you joy and happiness, even when conditions around us can get us down.

I wish you love and kindness, even in a world with so much hatred and brutality.

I wish you peace, even as wars rage.

I wish you justice, even amidst all the inequities.

I wish you reverence for the Earth, even as our governments fail to grapple with global warming.

I wish you a job you like, knowing that any job is hard to come by in this Great Recession.

I wish you good health, physical and mental, because the health care reform bill won´t guarantee it-not by a long shot.

I wish you enough food to live on, and good food at that. No one should go hungry in America-or anywhere else in the world, nor be deprived
of the pleasure of the palette.

I wish you time, that most precious resource, to enjoy art, music, poetry, literature, theater, nature, and to engage in sports not only as
a spectator but also as a participant.

I wish you an end to resentments and grudges, which are poisons we take in the hopes that our enemies will die.

I wish you-and all of us-an end to the wars and hatreds that roil the planet.

Quote from Matthew Rothschild, January 1, 2010

He's telling what we should all want to wrote...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4072. HO-68 schedule 2-9 Jan

Yahoo group: eu-amsat
Date: 2011-01-02 09:27:54 UTC
From: John Hackett
Topic: 4072 Message: 4072

ALL TIMES UTC.

02 Jan 2011
==========
16:40...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:25...Turn Off

18:25...Turn On--CW/SSB
Africa,Europe,Middle East,NA
19:10...Turn Off

20:00...Turn On--CW/SSB
Africa,Europe,Middle East,NA
20:45...Turn Off

22:35...Turn On--CW/SSB
South America,NA,North Asia
23:20...Turn Off

03 Jan 2011
==========
02:20...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:34...Turn Off

13:15...Turn On--CW/SSB
NA,South America
14:00...Turn Off

16:30...Turn On--CW/SSB
India, Africa, Middle East,
Europe,NA
17:15...Turn Off

18:15...Turn On--CW/SSB
Africa,Europe,NA
19:00...Turn Off

22:20...Turn On--CW/SSB
NA,North Asia,East Asia,
Oceania
23:05...Turn Off

04 Jan 2011
==========

02:03...Turn On--CW/SSB
North Asia, East Asia,South Asia
02:17...Turn Off

10:15...Turn On--CW/SSB
Oceania,Asia,Europe
11:00...Turn Off

13:00...Turn On--CW/SSB
NA, South America
13:45...Turn Off

16:15...Turn On--CW/SSB
India,Middle East,Europe,NA
17:00...Turn Off

17:50...Turn On--CW/SSB
India,Middle East,Europe,NA
18:35...Turn Off

19:45...Turn On--CW/SSB
Africa,Europe,NA
20:30...Turn Off

05 Jan 2011
==========
23:50...Turn On--CW/SSB
North Asia,East Asia,South Asia
Oceania
00:35...Turn Off

01:47...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:02...Turn Off

12:40...Turn On--CW/SSB
Europe,NA,South America
13:25...Turn Off

16:00...Turn On--CW/SSB
India, Africa,Europe,NA
South America
16:45...Turn Off

17:30...Turn On--CW/SSB
Africa,Middle East,Europe,NA
18:15...Turn Off

19:10...Turn On--CW/SSB
Africa,Middle East,Europe,NA
19:55...Turn Off

06 Jan 2011
==========
23:35...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
00:20...Turn Off

03:17...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:32...Turn Off

14:10...Turn On--CW/SSB
Europe,NA,South America
14:55...Turn Off

17:25...Turn On--CW/SSB
Africa,India,Middle East
Europe,NA
18:10...Turn Off

18:55...Turn On--CW/SSB
Africa,Europe,NA
19:40...Turn Off

20:40...Turn On--CW/SSB
Africa,Europe,NA
21:25...Turn Off

23:15...Turn On--CW/SSB
Oceania,Asia,Europe,NA
24:00...Turn Off

07 Jan 2011
==========
03:00...Turn On--CW/SSB
North Asia,East Asia,South Asia
03:15...Turn Off

13:55...Turn On--CW/SSB
Europe, NA,South America
14:40...Turn Off

17:10...Turn On--CW/SSB
India,Africa,Europe,NA
17:55...Turn Off

18:40...Turn On--CW/SSB
India,Africa,Europe,NA
19:25...Turn Off

20:25...Turn On--CW/SSB
Africa,Europe,NA
21:10...Turn Off

23:00...Turn On--CW/SSB
NA,North Asia,East Asia,Oceania
23:45...Turn Off

08 Jan 2011
==========

02:43...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:58...Turn Off

13:40...Turn On--CW/SSB
Europe, NA,South America
14:25...Turn Off

17:10...Turn On--CW/SSB
Africa,Europe,NA
17:55...Turn Off

18:20...Turn On--CW/SSB
India,Africa,Europe,NA
19:05...Turn Off

20:05...Turn On--CW/SSB
Africa,Europe,NA
20:50...Turn Off

22:45...Turn On--CW/SSB
North Asia,East Asia,
South Asia,Oceania
23:30...Turn Off

09 Jan 2011
==========
02:27...Turn On--CW/SSB
North Asia,East Asia,South Asia
02:43...Turn Off

13:20...Turn On--CW/SSB
Europe,NA,South America
14:05...Turn Off

_____
Sent via AMSAT-BB@.... Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

4073. Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-02 20:50:41 UTC
From: Luc Leblanc
Topic: 4073 Message: 4073

On 2 Jan 2011 at 14:15, f6htj@... wrote:

Date sent: Sun, 02 Jan 2011 14:15:45 -0500
From: f6htj@...
Subject: [amsat-bb] IR0CK in sat band ?
To: amsat-bb@...

>
> Hello all and HNY.
>
> There seems to be an Italian repeater inside 2m satellite band (145.850 MHz) :
>
> http://www.ondatelematica.it/joomla/index.php/ponti-ripetitori-/69-ripetitore-ir0ck-r10-145850-600-sub-67
>
> maybe on air as satellite gateway ?
>
> 73 de Michel F6HTJ
>
>
>
>
>
I posted this message to the EU-AMSAT YAHOO DISCUSSION GROUP too. Our Italian satellite op's friends will be inform (If it's not already
done) but amateur communications affairs are conducted differently in EU including Italy.
BTW could be Ruby can be of some help here:)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4074. Re: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-03 11:59:51 UTC
From: Thomas Frey
Topic: 4073 Message: 4074

Luc Leblanc schrieb:
> On 2 Jan 2011 at 14:15, f6htj@... wrote:
>
> Date sent: Sun, 02 Jan 2011 14:15:45 -0500
> From: f6htj@...
> Subject: [amsat-bb] IR0CK in sat band ?
> To: amsat-bb@...
>
>
>> Hello all and HNY.
>>
>> There seems to be an Italian repeater inside 2m satellite band (145.850 MHz) :
>>
>> http://www.ondatelematica.it/joomla/index.php/ponti-ripetitori-/69-ripetitore-ir0ck-r10
-145850-600-sub-67
>>
>> maybe on air as satellite gateway ?
>>
>> 73 de Michel F6HTJ
>>
>>
>>
>>
>>
>>
> I posted this message to the EU-AMSAT YAHOO DISCUSSION GROUP too. Our Italian satellite
op's friends will be inform (If it's not already
> done) but amateur communications affairs are conducted differently in EU including Italy.
BTW could be Ruby can be of some help here:)
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>

Hello and a Happy New Year

A local repeater with an output frequency between 145.800 and 146 MHz
violates the IARU 1 band plan. Any years ago a repeater in HB9 on
145.800 MHz had to be moved downwards because of interferences into

the satellite band.

There is no discussussion, IR0CK has to be switched off, until a new channel is coordinated by ARI.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4075. Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-03 22:15:19 UTC
From: m5aka
Topic: 4073 Message: 4075

Has anyone on this list emailed

"I0TVL" <giuseppe@...>, "IW0HRF" <fefonti@...>,

to let them know of the problems that IRoCK on 145.850MHz causes ?

IRoCK 145.850
http://tinyurl.com/2ugjbp8

73 Trevor M5AKA

4076. Re: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-04 01:58:52 UTC
From: Luc Leblanc
Topic: 4073 Message: 4076

On 3 Jan 2011 at 22:15, m5aka wrote:

Date sent: Mon, 03 Jan 2011 22:15:19 +0000
From: m5aka <m5aka@...>
Subject: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Has anyone on this list emailed
>
> "I0TVL" <giuseppe@...>, "IW0HRF" <fefonti@...>,
>
> to let them know of the problems that IRoCK on 145.850MHz causes ?
>
> IRoCK 145.850
> http://tinyurl.com/2ugjbp8
>
> 73 Trevor M5AKA
>
>
>
I suggest to contact Domenico I8CVS he will be able to contact them in their own language
but this take for granted that he's willing to do
so?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4077. Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-04 04:57:07 UTC
From: yo9gjx
Topic: 4073 Message: 4077

Contact form:
http://www.ondatelematica.it/joomla/index.php/contattaci

--- In eu-amsat@yahoogroups.com, Luc Leblanc <lucleblanc6@...> wrote:
>
> On 3 Jan 2011 at 22:15, m5aka wrote:
>
> Date sent: Mon, 03 Jan 2011 22:15:19 +0000
> From: m5aka <m5aka@...>
> Subject: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?
> To: eu-amsat@yahoogroups.com
> Send reply to: eu-amsat@yahoogroups.com
>
> > Has anyone on this list emailed
> >
> > "I0TVL" <giuseppe@...>, "IW0HRF" <fefonti@...>,
> >
> > to let them know of the problems that IRoCK on 145.850MHz causes ?
> >
> > IRoCK 145.850
> > http://tinyurl.com/2ugjbp8
> >
> > 73 Trevor M5AKA
> >
> >
> >
> I suggest to contact Domenico I8CVS he will be able to contact them in their own language but this take for granted that he's willing to do
> so?
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>

4078. HO-68 comments.

Yahoo group: eu-amsat
Date: 2011-01-04 09:50:05 UTC
From: John Hackett
Topic: 4078 Message: 4078

Once again, I note the whinging about HO-68's orbit not being suitable for a particular station ... or two.

I'd like to remind the gentlemen concerned that HO-68's on time is NOT designed to favour one particular area. Please remember, it's a Chinese satellite and we should abide by and respect their decision of when to activate the transponder.

For my own use,the HO-68 late afternoon GMT 'on' times are optimum.

Conversly, I 'could' complain about the ISS orbit - (but I don't) -only 'seeing it at max 6 degrees for 90 seconds every 2 days - (read: unworkable from my QTH), dirro SO-50, AO-27 and VO-52.

What may be poor for one operator could be optimum for another.

Please remember, the world consists of more than The United States Of America and Southern Europe.

73 John. <la2qaa@...>

4079. HO-68 orbit comments.

Yahoo group: eu-amsat
Date: 2011-01-04 21:48:16 UTC
From: John Hackett
Topic: 4079 Message: 4079

Hello Dom,
You are of course right.

I have been in contact with Alan Kung regarding various aspects of HO-68 but as you correctly state,
The Chinese don't seen to want to share the workload.

I went as far as offering donations to help Amsat China but was politely refused (!) ... the implication being that subscriptions would require reciprocating with 'information' - (which was NOT my intention).

I think your comments will give people a better understanding of why the orbits are not always otimum
for certain times/areas.

73 John. <la2qaa@...>

CC'd to the group and the Amsat-bb for general information purposes.

.....

> Hi John, LA2QAA
>
> I don't agree with you because there are many and many HO-68 orbits with the
> satellite transponder OFF despite the elevation is very hight for South
> Europe and North Europe i.e. for you and for me as well for South USA and
> North USA
>
> The problem is that in the above orbits HO-68 cannot be very well monitored
> by the only one command station in China and they prefere to switch OFF the
> transponder.
>
> The pobleme is that the Chinese HO-68 should have more control stations
> around the the world instead of only one in China.The roule is that many
> control station are needed for a LEO satellites and only two or maximum tree
> for a HEO satellite.
>
> Same problem arise with JAMSAT with only one control station in Japan for
> FO-29
>
> AMSAT China and AMSAT Japan don't like to share the command of their
> satellites with AMSAT's command stations in different continents.
>
> Conversly you should remember that in the early 1974 AMSAT had control
> stations for OSCAR-6 in USA ,in North Africa (Algeria) and Australia
> so that the satellite was continuously monitored and during all orbits it

> was operational.
>
> I abandoned HO-68 for the better and reliable as well in all orbits
> available transponder of VO-52
>
> 73" de
>
> i8CVS Domenico
>
>

4080. Re: HO-68 orbit comments.

Yahoo group: eu-amsat
Date: 2011-01-04 23:03:53 UTC
From: m5aka
Topic: 4079 Message: 4080

I presume AMSAT-China also has to fit in with the requirements of the Primary Mission on the satellite.

73 Trevor M5AKA

4081. Re: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-04 23:37:22 UTC
From: Roberto
Topic: 4073 Message: 4081

Hello, Regulation (method) Italian Ministry of Economic Development says
if the applicant for the authorization of the bridge creates problems (found 50 signatures, mine is ready) claimed the ministry within 60 days of the authorization, that will lift!
hope it works!
(Unfortunately, the ministry does not respect the Italian IARU Band Plan)

73 de iw5bsf Roberto

Directorate General for planning and spectrum management
dgpgsr.segreteria@sviluppoeconomico.gov.it

The Ministry of Communications Italy
The Ministry of Communications shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG 259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of Communications if there are such reasons notwithstanding, the finding of interference products
Trial and from the plant following a complaint of interference by Associations, Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90 days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of Communications, the permission is granted must be understood, as the rules require the silent consent

tal shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG 259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of Communications if there are such reasons notwithstanding, the finding of interference products
Trial and from the plant following a complaint of interference by Associations, Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90 days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of Communications, the permission is granted must be understood, as the rules require the silent consent

----- Original Message -----
From: m5aka
To: eu-amsat@yahoogroups.com
Sent: Monday, January 03, 2011 11:15 PM
Subject: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ?

Has anyone on this list emailed

"I0TVL" <giuseppe@...>, "IW0HRF" <fefonti@...>,

to let them know of the problems that IRoCK on 145.850MHz causes ?

IRoCK 145.850
http://tinyurl.com/2ugjbp8

73 Trevor M5AKA

4082. Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-05 00:10:39 UTC
From: Roberto
Topic: 4073 Message: 4082

Hello, Regulation (method) Italian Ministry of Economic Development says
if the applicant for the authorization of the bridge creates problems (found 50 signatures, mine is ready) claimed the ministry within 60 days of the authorization, that will lift!
hope it works!
(Unfortunately, the ministry does not respect the Italian IARU Band Plan)Violate iaru-r1,ITU

73 de iw5bsf Roberto

Please all I ask the help of other associations until little face
Pressure makes recommendations to the following address

Directorate General for planning and spectrum management
dgpgsr.segreteria@sviluppoeconomico.gov.it

The Ministry of Communications Italy
The Ministry of Communications shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG 259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of Communications if there are such reasons notwithstanding, the finding of interference products
Trial and from the plant following a complaint of interference by Associations, Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90 days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of Communications, the permission is granted must be understood, as the rules require the silent consent

tal shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG 259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of Communications if there are such reasons notwithstanding, the finding of interference products
Trial and from the plant following a complaint of interference by Associations, Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90 days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of Communications, the permission is granted must be understood, as the rules require the silent consent

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>

> Luc Leblanc schrieb:
> > On 2 Jan 2011 at 14:15, f6htj@... wrote:
> >
> > Date sent: Sun, 02 Jan 2011 14:15:45 -0500
> > From: f6htj@...
> > Subject: [amsat-bb] IR0CK in sat band ?
> > To: amsat-bb@...
> >
> >
> >> Hello all and HNY.
> >>
> >> There seems to be an Italian repeater inside 2m satellite band (145.850 MHz) :
> >>
> >> http://www.ondatelematica.it/joomla/index.php/ponti-ripetitori-/69-ripetitore-ir0ck-r
10-145850-600-sub-67
> >>
> >> maybe on air as satellite gateway ?
> >>
> >> 73 de Michel F6HTJ
> >>
> >>
> >>
> >>
> >>
> >>
> > I posted this message to the EU-AMSAT YAHOO DISCUSSION GROUP too. Our Italian satellite
op's friends will be inform (If it's not already
> > done) but amateur communications affairs are conducted differently in EU including
Italy. BTW could be Ruby can be of some help here:)
> >
> > "-"
> >
> >
> > Luc Leblanc VE2DWE
> > Skype VE2DWE
> > www.qsl.net/ve2dwe
> > DSTAR urcall VE2DWE
> > WAC BASIC CW PHONE SATELLITE
> >
>
> Hello and a Happy New Year
>
> A local repeater with an output frequency between 145.800 and 146 MHz
> violates the IARU 1 band plan. Any years ago a repeater in HB9 on
> 145.800 MHz had to be moved downwards because of interferences into
> the satellite band.
>
> There is no discussussion, IR0CK has to be switched off, until a new
> channel is coordinated by ARI.
>

> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

4083. Re: [amsat-bb] IR0CK in sat band ?

Yahoo group: eu-amsat
Date: 2011-01-05 00:14:03 UTC
From: Roberto
Topic: 4083 Message: 4083

Hello,AMSAT all Regulation (method) Italian Ministry of Economic Development says
if the applicant for the authorization of the bridge creates problems (found 50 signatures,
mine is ready) claimed the ministry within 60 days of the authorization, that will lift!
hope it works!
(Unfortunately, the ministry does not respect the Italian IARU Band Plan)Violate
iaru-r1,ITU

73 de iw5bsf Roberto ARI
Coordinator Satellite

Please all I ask the help of other associations until little face
Pressure makes recommendations to the following address

Directorate General for planning and spectrum management
dgpgsr.segreteria@...

The Ministry of Communications Italy
The Ministry of Communications shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG
259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of
Communications if there are such reasons notwithstanding, the finding of interference
products
Trial and from the plant following a complaint of interference by Associations,
Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90
days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of
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the silent consent

tal shall issue the applicant or the representative pro tempore,
Provisional authorization general, valid 60 days, as described in Chapter 2 of Art.25 DLG
259 1 August 2003;
within this period, the permit may 'be revoked or suspended by the Ministry of
Communications if there are such reasons notwithstanding, the finding of interference
products
Trial and from the plant following a complaint of interference by Associations,
Government, citizens under the DGL 259 1 August 2003 Art.32 Paragraph 2.3 and 4 within 90
days
Provisional authorization.
After the period indicated in the absence of communication from the Ministry of
Communications, the permission is granted must be understood, as the rules require
the silent consent

4084. Re: [amsat-bb] IR0CK in sat band ? traslate

Yahoo group: eu-amsat
Date: 2011-01-05 09:11:36 UTC
From: Roberto
Topic: 4084 Message: 4084

http://translate.google.co.uk/translate?hl=it&sl=it&tl=en&u=http%3A%2F%2Fwww.ondatelematica.it%2Fjoomla%2Findex.php%2Fnotizie%2F87-ir0ck-in-banda-satellite-

73 de iw5bsf Roberto

4085. RE: [eu-amsat] Re: HO-68 orbit comments.

Yahoo group: eu-amsat
Date: 2011-01-05 09:43:07 UTC
From: John Hackett
Topic: 4079 Message: 4085

Excellent! point Trevor.

73 John.

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Tue, 4 Jan 2011 23:03:53 +0000
Subject: [eu-amsat] Re: HO-68 orbit comments.

I presume AMSAT-China also has to fit in with the requirements of the Primary Mission on the satellite.

73 Trevor M5AKA

4086. AW: [amsat-bb] Re: HO-68 comments.

Yahoo group: eu-amsat
Date: 2011-01-05 10:30:29 UTC
From: Mike Rupprecht
Topic: 4086 Message: 4086

Hi Domenico,

The approach is excellent, but you forget the first link in the chain.
HO-68 was built and funded all alone by the Chinese. So they can also decide
alone whether and how long they offer a service for other radio amateurs.

Each transponder operates on a schedule will omit any region in the world.
This is quite the same way with satellites which have an low inclination
orbit.

We are not entitled to the transponder but should be happy and grateful that
we can use it regularly. Unfortunately, the reality shows - if it is active
- it is far from optimal use ....

73, Mike
DK3WN

-----Ursprüngliche Nachricht-----
Von: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] Im
Auftrag von i8cvs
Gesendet: Tuesday, January 04, 2011 8:37 PM
An: la2qaa@...; Amsat - BBs
Cc: eu-amsat@yahoogroups.com
Betreff: [amsat-bb] Re: HO-68 comments.

----- Original Message -----
From: "John Hackett" <archie.hackett@...>
To: <amsat-bb@...>
Cc: <eu-amsat@yahoogroups.com>
Sent: Tuesday, January 04, 2011 10:50 AM
Subject: [amsat-bb] HO-68 comments.
>
> Once again, I note the whinging about HO-68's orbit not being suitable for
a particular station ... or two.
>
> I'd like to remind the gentlemen concerned that HO-68's on time is NOT
designed to favour one particular area. Please remember, it's a Chinese
satellite and we should abide by and respect their decision of when to
activate the transponder.
>
> For my own use,the HO-68 late afternoon GMT 'on' times are optimum.
>
> Conversly, I 'could' complain about the ISS orbit - (but I don't) -only
'seeing it at max 6 degrees for 90 seconds every 2 days - (read: unworkable
from my QTH), dirro SO-50, AO-27 and VO-52.
>

> What may be poor for one operator could be optimum for another.
>
> Please remember, the world consists of more than The United States Of America and Southern Europe.
>
> 73 John. <la2qaa@...>
>
Hi John, LA2QAA

I don't agree with you because there are many and many HO-68 orbits with the satellite transponder OFF despite the elevation is very hight for South Europe and North Europe i.e. for you and for me as well for South USA and North USA

The problem is that in the above orbits HO-68 cannot be very well monitored by the only one command station in China and they prefere to switch OFF the transponder.

The pobleme is that the Chinese HO-68 should have more control stations around the the world instead of only one in China.The roule is that many control station are needed for a LEO satellites and only two or maximum tree for a HEO satellite.

Same problem arise with JAMSAT with only one control station in Japan for FO-29

AMSAT China and AMSAT Japan don't like to share the command of their satellites with AMSAT's command stations in different continents.

Conversly you should remember that in the early 1974 AMSAT had control stations for OSCAR-6 in USA ,in North Africa (Algeria) and Australia so that the satellite was continuously monitored and during all orbits it was operational.

I abandoned HO-68 for the better and reliable as well in all orbits available transponder of VO-52

73" de

i8CVS Domenico

Sent via AMSAT-BB@amsat.org. Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

4087. Re: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ? traslate

Yahoo group: eu-amsat
Date: 2011-01-05 16:31:24 UTC
From: Thomas Frey
Topic: 4084 Message: 4087

Roberto schrieb:
> http://translate.google.co.uk/translate?hl=it&sl=it&tl=en&u=http%3A%2F%2Fwww.ondatelematica.it%2Fjoomla%2Findex.php%2Fnotizie%2F87-ir0ck-in-banda-satellite-
>
> 73 de iw5bsf Roberto
>
>
Hello Roberto

Thanks for this translation. Let me repeat:

> The IARU is instead only a private association that enables a nation
> to join and has no legislative power, so it is impossible to the
> possible harmonization with other national associations.

This "Presidente" has not understood Amateur Radio as a self regulated
radio service.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4088. Re: [eu-amsat] AW: [amsat-bb] Re: HO-68 comments.

Yahoo group: eu-amsat
Date: 2011-01-05 17:48:36 UTC
From: Thomas Frey
Topic: 4086 Message: 4088

Hello All

I'm also not always lucky with the schedule of HO-68. I saw many orbits with
a relatively high elevation and strong beacon signal. But the transponders
where switched off. I have accepted this situation with a shrug.

From Alan Kung I saw never an explanation why HO-68 has to be scheduled. Is
the reason of political or technical nature ?

Mike Rupprecht schrieb:
> Hi Domenico,
>
> The approach is excellent, but you forget the first link in the chain.
> HO-68 was built and funded all alone by the Chinese. So they can also decide
> alone whether and how long they offer a service for other radio amateurs.
>
> Each transponder operates on a schedule will omit any region in the world.
> This is quite the same way with satellites which have an low inclination
> orbit.
>
> We are not entitled to the transponder but should be happy and grateful that
> we can use it regularly. Unfortunately, the reality shows - if it is active
> - it is far from optimal use ....
>
> 73, Mike
> DK3WN
>
>
>
> -----Urspr?ngliche Nachricht-----
> Von: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] Im
> Auftrag von i8cvs
> Gesendet: Tuesday, January 04, 2011 8:37 PM
> An: la2qaa@...; Amsat - BBs
> Cc: eu-amsat@yahoogroups.com
> Betreff: [amsat-bb] Re: HO-68 comments.
>
> ----- Original Message -----
> From: "John Hackett"<archie.hackett@...>
> To:<amsat-bb@...>
> Cc:<eu-amsat@yahoogroups.com>
> Sent: Tuesday, January 04, 2011 10:50 AM
> Subject: [amsat-bb] HO-68 comments.
>
>> Once again, I note the whinging about HO-68's orbit not being suitable for
>>

> a particular station ... or two.
>
>> I'd like to remind the gentlemen concerned that HO-68's on time is NOT
>>
> designed to favour one particular area. Please remember, it's a Chinese
> satellite and we should abide by and respect their decision of when to
> activate the transponder.
>
>> For my own use,the HO-68 late afternoon GMT 'on' times are optimum.
>>
>> Conversly, I 'could' complain about the ISS orbit - (but I don't) -only
>>
> 'seeing it at max 6 degrees for 90 seconds every 2 days - (read: unworkable
> from my QTH), dirro SO-50, AO-27 and VO-52.
>
>> What may be poor for one operator could be optimum for another.
>>
>> Please remember, the world consists of more than The United States Of
>>
> America and Southern Europe.
>
>> 73 John.<la2qaa@...>
>>
>>
> Hi John, LA2QAA
>
> I don't agree with you because there are many and many HO-68 orbits with the
> satellite transponder OFF despite the elevation is very hight for South
> Europe and North Europe i.e. for you and for me as well for South USA and
> North USA
>
> The problem is that in the above orbits HO-68 cannot be very well monitored
> by the only one command station in China and they prefere to switch OFF the
> transponder.
>
> The pobleme is that the Chinese HO-68 should have more control stations
> around the the world instead of only one in China.The roule is that many
> control station are needed for a LEO satellites and only two or maximum tree
> for a HEO satellite.
>
> Same problem arise with JAMSAT with only one control station in Japan for
> FO-29
>
> AMSAT China and AMSAT Japan don't like to share the command of their
> satellites with AMSAT's command stations in different continents.
>
> Conversly you should remember that in the early 1974 AMSAT had control
> stations for OSCAR-6 in USA ,in North Africa (Algeria) and Australia
> so that the satellite was continuously monitored and during all orbits it
> was operational.

>
> I abandoned HO-68 for the better and reliable as well in all orbits
> available transponder of VO-52
>
> 73" de
>
> i8CVS Domenico
>
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4089. Nothing heard from HO-68's beacon at 050120111849Z

Yahoo group: eu-amsat
Date: 2011-01-05 18:00:58 UTC
From: John Hackett
Topic: 4089 Message: 4089

Group,
No transponder and nothing heard from HO-68's beacon at 050120111849Z.

73 John. <la2qaa@...>

4090. Passive reflectors.

Yahoo group: eu-amsat
Date: 2011-01-05 18:52:38 UTC
From: John Hackett
Topic: 1176 Message: 4090
Attachments: 1 described; binary payloads are missing from this source WARC

By perusing the attached pic it *MAY* be possible to understand why I have a problem with VO-52
in this period of time - when the azimuth is behind those small obstacles. This also applies to AO-27,
SO-50 and The ISS.

The satellites that are! visible in this period of time are AO7, AO-51 and HO-68 for 2 passes a day ...
one optimum and one 'difficult'.

However ... looking on the bright side, the natural progression of the orbits ensures that in about 600 years time, AO-27, SO-50 and VO-52 will become visible from this QTH.

The above is only the start of the aerial woes at this new QTH.

Taking into account the fact that aerials are not allowed one has to improvise ... so I bolted an El-Cheapo
eotor on a stub mast 20cm from the wall of my ground floor flat (no attic!) and called it a TV aeial ...
which are! allowed.

The problem is ... I obviously can't turn the rotor more than 110 degrees - (because the aerial would hit the wall) - limiting my panorama even more.

I use an Elk log-periodic for TX (2m) and a homebrew 70cm yagi for RX on HO-68. My power varies between 200mW and 10 watts ... depending whether I want to work QRPp or QRO.

Serious operators will understand why I'm rather amused at the stations using 50 watts with 10 element beams and still !!! can't get into the satellite.

Please remember ... there usually *IS* somebody worse off than you are.

73 John. <la2qaa@...>

4091. Nothing heard from HO-68.

Yahoo group: eu-amsat
Date: 2011-01-05 19:44:44 UTC
From: John Hackett
Topic: 4091 Message: 4091

Group,
Still nothing heard from HO-68 at 20:36Z Wednesday 05-01-2011.

Anybody hear anything ??.

73 John. <la2qaa@...>

4092. AW: [eu-amsat] Nothing heard from HO-68.

Yahoo group: eu-amsat
Date: 2011-01-05 19:54:17 UTC
From: Mike Rupprecht
Topic: 4091 Message: 4092
Attachments: 2 described; binary payloads are missing from this source WARC

No John, nothing heard :-(

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 20:45
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Nothing heard from HO-68.

Group,
Still nothing heard from HO-68 at 20:36Z Wednesday 05-01-2011.

Anybody hear anything ??.

73 John. <la2qaa@...>

4093. RE: AW: [eu-amsat] Nothing heard from HO-68.

Yahoo group: eu-amsat
Date: 2011-01-05 20:02:32 UTC
From: John Hackett
Topic: 4091 Message: 4093

Thanks Mike,
No reaction from Camsat as yet so perhaps they don't know either ... presumably, after two orbits of silence, they'll be aware of the anomoly, at least I hope so and that Alan and his minions
can inform us what the situation is.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Wed, 5 Jan 2011 20:54:17 +0100
Subject: AW: [eu-amsat] Nothing heard from HO-68.

No John, nothing heard :-(73, MikeDK3WN Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 20:45
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Nothing heard from HO-68. Group,
Still nothing heard from HO-68 at 20:36Z Wednesday 05-01-2011.

Anybody hear anything ??.

73 John. <la2qaa@...>

4094. AW: AW: [eu-amsat] Nothing heard from HO-68.

Yahoo group: eu-amsat
Date: 2011-01-05 20:18:39 UTC
From: Mike Rupprecht
Topic: 4091 Message: 4094
Attachments: 2 described; binary payloads are missing from this source WARC

Hi John,

yes, I wrote also a note to Alan.

But I think they can't do anything yet because their first pass is tomorrow
at 01:30 UTC.

Have a nice evening, John.

73, Mike

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 21:03
An: eu-amsat@yahoogroups.com
Betreff: RE: AW: [eu-amsat] Nothing heard from HO-68.

Thanks Mike,
No reaction from Camsat as yet so perhaps they don't
know either ... presumably, after two orbits of silence, they'll be aware of
the anomoly, at least I hope so and that Alan and his minions
can inform us what the situation is.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Wed, 5 Jan 2011 20:54:17 +0100
Subject: AW: [eu-amsat] Nothing heard from HO-68.

No John, nothing heard :-(

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 20:45
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Nothing heard from HO-68.

Group,
Still nothing heard from HO-68 at 20:36Z Wednesday 05-01-2011.

Anybody hear anything ??.

73 John. <la2qaa@...>

4095. RE: AW: AW: [eu-amsat] Nothing heard from HO-68.

Yahoo group: eu-amsat
Date: 2011-01-06 09:37:10 UTC
From: John Hackett
Topic: 4091 Message: 4095

FB! Mike,
If you hear anything relavant, please post it to the group, I of course will do the same.

There are several scenarios that could be the cause but it's best *NOT* to speculate, so as not to instigate a load of speculative nonsense. You know how things are when passed by word of mouth between more than three people ...

"Send reinforcements, we're going to advance"

... very soon becomes ...

"Send three-and-fourpence, we're going to a dance"

Thanks again Mike.

Have a good day.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Wed, 5 Jan 2011 21:18:39 +0100
Subject: AW: AW: [eu-amsat] Nothing heard from HO-68.

Hi John, yes, I wrote also a note to Alan. But I think they can’t do anything yet because their first pass is tomorrow at 01:30 UTC.Have a nice evening, John. 73, Mike Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 21:03
An: eu-amsat@yahoogroups.com
Betreff: RE: AW: [eu-amsat] Nothing heard from HO-68. Thanks Mike,
No reaction from Camsat as yet so perhaps they don't know either ... presumably, after two orbits of silence, they'll be aware of the anomoly, at least I hope so and that Alan and his minions
can inform us what the situation is.

73 John. <la2qaa@...>To: eu-amsat@yahoogroups.com
From: mail@...
Date: Wed, 5 Jan 2011 20:54:17 +0100
Subject: AW: [eu-amsat] Nothing heard from HO-68.

No John, nothing heard :-(73, MikeDK3WN Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Mittwoch, 5. Januar 2011 20:45
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Nothing heard from HO-68. Group,
Still nothing heard from HO-68 at 20:36Z Wednesday 05-01-2011.

Anybody hear anything ??.

73 John. <la2qaa@...>

4096. Re: [eu-amsat] Re: [amsat-bb] IR0CK in sat band ? traslate

Yahoo group: eu-amsat
Date: 2011-01-06 15:51:14 UTC
From: Roberto
Topic: 4084 Message: 4096

Thank you, we are taking measures to what is happening please spread this message, I have to collect all the protests of both the individual associations affiliated to the IARU sent to my inbox iw5bsf@...
must be sent as soon as specifying what happens.

73 de Roberto iw5bsf
Manager Sattellite ARI

4097. HO-68 back on.

Yahoo group: eu-amsat
Date: 2011-01-06 17:47:35 UTC
From: John Hackett
Topic: 4097 Message: 4097

Group,
HO-68's transponder is back on after it's 'day off'.

I worked HA6NM with QRPp power on the 17:33Z pass.

"As we speak" I don't know why HO-68 took a day off work.

73 John. <la2qaa@...>

4098. Re: [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-07 15:01:24 UTC
From: Luc Leblanc
Topic: 4098 Message: 4098

On 6 Jan 2011 at 17:36, Alain De Carolis wrote:

Date sent: Thu, 06 Jan 2011 17:36:15 -0500
From: Alain De Carolis <alain@...>
Subject: [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: f6htj@...
Copies to: amsat-bb@...

>(Not to mention the fact that D-Star is not
> even to be considered ham radio, but that's another story...)
>
Yes in France as your PTT office does not permit DSTAR RF operation (Only one spot on earth BTW) as autopatch quite a set back for french
amateur but this is also another question as you said.

Sorry to disagree with you DSTAR IS amateur radio like it or not just see how many french DSTAR operators who communicate on belgium and
swiss DSTAR repeater my friend

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4099. Re: [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-07 15:06:23 UTC
From: Luc Leblanc
Topic: 4098 Message: 4099

On 6 Jan 2011 at 19:17, Ted wrote:

Date sent: Thu, 06 Jan 2011 19:17:26 -0800
From: Ted <k7trkradio@...>
Subject: [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: 'i8cvs' <domenico.i8cvs@...>, 'AMSAT-BB' <amsat-bb@...>,
f6htj@..., 'Alain De Carolis' <alain@...>
Copies to: marioi2mqp@...

> Oh, please...take it OFF the group..
>

Oh, Please enforce your Acceptable Use Policy for the AMSAT Public Mailing Lists eg:

"we do insist that messages contain appropriate content and are respectful of the members and readers of the list."

Double standard AGAIN!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4100. Re: Interesting Cubesat Snippet

Yahoo group: eu-amsat
Date: 2011-01-08 17:30:04 UTC
From: m5aka
Topic: 4043 Message: 4100

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote
> Elsewhere, the reports for SMDC-ONE vary. For instance At skyrocket.de it's reported that the army expect a one year operating life for their triple CUBESAT.

SMDC-ONE mentioned on page 60 of Satellite Mgazine

http://www.satmagazine.com/2011/SM_January_2011.pdf

73 Trevor M5AKA

4101. [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-09 07:19:57 UTC
From: yo9gjx
Topic: 4098 Message: 4101

Read this
http://www.issfanclub.com/node/30224

The worst enemy of hamradio is hamradio
Just arogance and stupidity.

4102. Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-09 18:26:01 UTC
From: Luc Leblanc
Topic: 4098 Message: 4102

On 9 Jan 2011 at 7:19, yo9gjx wrote:

Date sent: Sun, 09 Jan 2011 07:19:57 +0000
From: yo9gjx <yo9gjx@...>
Subject: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Read this
> http://www.issfanclub.com/node/30224
>
> The worst enemy of hamradio is hamradio
> Just arogance and stupidity.
>
And to make things worse it happens often on both side of a conflict. The present situation does not make an exception to the rule as per
some recent written exchange. There is place on this earth more prone to that kind of conflict and it often cultural but ITU region 1
2 meter band cover from 144mhz to 146mhz and region 2 144mhz to 148mhz 2 megahertz bandwidth instead of 4 in region 2.

This is not an excuse to anyone to go aside of establish band plan even if it's not regulated as here in Canada but a gentlemen agreement
is always better than none but as Florian Gabriel Yo9GJX wrote: "arogance and stupidity" will only lead to chaos.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4103. HO-68 schedule 9-16 Jan.

Yahoo group: eu-amsat
Date: 2011-01-10 10:32:26 UTC
From: John Hackett
Topic: 4103 Message: 4103

```
HO-68 Schedule 9-16 Jan.

ALL TIMES UTC.

09 Jan 2011
================================
16:35...Turn On--FM/PACSAT
Africa,Europe,NA
17:20...Turn Off

18:25...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:10...Turn Off

19:50...Turn On--FM/PACSAT
Africa,Europe,NA
20:35...Turn Off

22:25...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:10...Turn Off

10 Jan 2011
================================
02:11...Turn On--FM/PACSAT
North Asia, East Asia,South Asia
02:26...Turn Off

13:05...Turn On--FM/PACSAT
NA, South America
13:50...Turn Off

16:20...Turn On--FM/PACSAT
India,Middle East,Europe,NA
17:05...Turn Off

18:05...Turn On--FM/PACSAT
India,Middle East,Europe,NA
18:50...Turn Off

11 Jan 2011
=================================
00:00...Turn On--FM/PACSAT
NA,East Asia,Oceania
00:45...Turn Off
```

01:59...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:14...Turn Off

10:05...Turn On--FM/PACSAT
NA,East Asia,Oceania
10:50...Turn Off

12:50...Turn On--FM/PACSAT
Europe,NA,South America
13:35...Turn Off

16:05...Turn On--FM/PACSAT
India, Africa,Europe,NA
South America
16:50...Turn Off

17:40...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
18:25...Turn Off

19:15...Turn On--FM/PACSAT
Africa,Middle East,Europe,NA
20:00...Turn Off

12 Jan 2011
==========
23:40...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
00:25...Turn Off

01:41...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:55...Turn Off

12:35...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
13:20...Turn Off

17:35...Turn On--FM/PACSAT
Africa,India,Middle East
Europe,NA
18:20...Turn Off

19:05...Turn On--FM/PACSAT
Africa,Europe,NA
19:50...Turn Off

20:45...Turn On--FM/PACSAT
Africa,Europe,NA
21:30...Turn Off

13 Jan 2011
==========

23:25...Turn On--FM/PACSAT
Oceania,Asia,Europe,NA
00:10...Turn Off

01:20...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
02:05...Turn Off

14:05...Turn On--FM/PACSAT
Europe, NA,South America
14:50...Turn Off

17:15...Turn On--FM/PACSAT
India,Africa,Europe,NA
18:00...Turn Off

18:45...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:30...Turn Off

20:30...Turn On--FM/PACSAT
Africa,Europe,NA
21:15...Turn Off

23:05...Turn On--FM/PACSAT
NA,North Asia, Oceania
23:50...Turn Off

14 Jan 2011
==========
01:00...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
01:45...Turn Off

13:45...Turn On--FM/PACSAT
Europe, NA,South America
14:30...Turn Off

17:00...Turn On--FM/PACSAT
Africa,Europe,NA
17:45...Turn Off

18:30...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:15...Turn Off

20:15...Turn On--FM/PACSAT
Africa,Europe,NA
21:00...Turn Off

22:50...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania

23:35...Turn Off

15 Jan 2011
==========
02:34...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:50...Turn Off

13:30...Turn On--FM/PACSAT
Europe,NA,South America
14:15...Turn Off

16:45...Turn On--FM/PACSAT
Africa,Europe,NA
17:30...Turn Off

18:30...Turn On--FM/PACSAT
India,Africa,Europe,NA
19:15...Turn Off

19:55...Turn On--FM/PACSAT
Africa,Europe,NA
20:40...Turn Off

22:35...Turn On--FM/PACSAT
North Asia,East Asia,
South Asia,Oceania
23:20...Turn Off

16 Jan 2011
==========
02:22...Turn On--FM/PACSAT
North Asia,East Asia,South Asia
Oceania
02:37...Turn Off

13:15...Turn On--FM/PACSAT
Europe,NA,South America
14:00...Turn Off

4104. [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-11 05:46:22 UTC
From: yo9gjx
Topic: 4098 Message: 4104

http://www.southgatearc.org/news/january2011/italian_repeaters.htm

4105. Hrmm! ...

Yahoo group: eu-amsat
Date: 2011-01-11 10:58:23 UTC
From: John Hackett
Topic: 4105 Message: 4105

Group,
I've just been looking at the Amsat-bb.

Following the gerneral concensus of opinion, interestingly ... the Americans are discovering and are starting to experience 'European' style operating on AO-51.

AaaaaaaaaaaaaWWWWWWWWWWWWllllllllllllllllllllllaaaaaaaaaaaa ... CQ SATELLITE, CQ SATELLITE,
CQ SARELLITE, CQ SATELLITE, CQ SATELLITE, CQ SATELLITE aaaaaaaaaaaawwwwwwwwwwwwlllaaaa (Blow) ... (blow) ... (blow) ... aaaaaaawwwwwwlllllaaaaaaaaaaa .... CQ SATELLITE, CQ SATELLITE ...

... on the top of ongoing QSO's.

Like the Americans themselves like to say ... "What goes around comes around".

Apparently, the editor of QST isn't interested in publishing a recommended operating proceedure.

Commander John Brannegan GM4IHJ warned us of the consequences of FM university 'me too!' sats in
1998. Almost nobody listened. We only have ourselves to blame.

Your average 12 year old girl on a mobile phone is a far! better 'operator' than most AO-51 aficiondos.

I fear the rot is irriversible.

I think it was Florian who said the greatest danger to amateur radio is amateur radio operators.

Oh uyou got that right mate.

73 John. <la2qaa@...>

4106. Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-11 12:51:36 UTC
From: Luc Leblanc
Topic: 4098 Message: 4106

On 11 Jan 2011 at 5:46, yo9gjx wrote:

Date sent: Tue, 11 Jan 2011 05:46:22 +0000
From: yo9gjx <yo9gjx@...>
Subject: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> http://www.southgatearc.org/news/january2011/italian_repeaters.htm

As suggested in this article i send a copy of an e-mail i send to the Italian Canadian Ambassador in Ottawa. Could be ALL the international
AMSAT'S, ARISS association and amateur radio association (ARRL, REF, RAC etc) can do the same? It is not a question to interfere with any
Italian internal affairs but to demonstrate an international concern about Amateur radio Spectrum and making the world aware that the
amateur radio operator care about their frequencies and that they are seeking to have any international agreement respected.

This is something who should come out in the first place by those who are representing us and it is not too late to act.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4107. Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-11 16:09:22 UTC
From: Thomas Frey
Topic: 4098 Message: 4107

Luc

The way to the Italian embassy is not the right one. The right one is via your national amateur radio association (RAC) and then IARU to ITU. The Italian ambassador has other political problems than amateur radio.

Luc Leblanc schrieb:
> On 11 Jan 2011 at 5:46, yo9gjx wrote:
>
> Date sent: Tue, 11 Jan 2011 05:46:22 +0000
> From: yo9gjx<yo9gjx@...>
> Subject: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
> To: eu-amsat@yahoogroups.com
> Send reply to: eu-amsat@yahoogroups.com
>
>
>> http://www.southgatearc.org/news/january2011/italian_repeaters.htm
>>
>
> As suggested in this article i send a copy of an e-mail i send to the Italian Canadian Ambassador in Ottawa. Could be ALL the international
> AMSAT'S, ARISS association and amateur radio association (ARRL, REF, RAC etc) can do the same? It is not a question to interfere with any
> Italian internal affairs but to demonstrate an international concern about Amateur radio Spectrum and making the world aware that the
> amateur radio operator care about their frequencies and that they are seeking to have any international agreement respected.
>
> This is something who should come out in the first place by those who are representing us and it is not too late to act.
>
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4108. Re: [amsat-bb] IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-11 17:34:57 UTC
From: Alain De Carolis
Topic: 4108 Message: 4108

Good news: the repeater on 145.800 has been deactivated

http://www.issfanclub.com/node/30266

I would like to publicly praise ARI for this wise decision

73's Alain
IZ6BYY/WW3WW

4109. Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-11 20:33:48 UTC
From: Luc Leblanc
Topic: 4098 Message: 4109

On 11 Jan 2011 at 17:09, Thomas Frey wrote:

Date sent: Tue, 11 Jan 2011 17:09:22 +0100
From: Thomas Frey <th.frey@...>
Subject: Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Luc
>
> The way to the Italian embassy is not the right one. The right one is via
> your national amateur radio association (RAC) and then IARU to ITU. The
> Italian ambassador has other political problems than amateur radio.
>

They are in CC too and we never know anyway i don't speculate on their agenda. and it seems the "offending" repeater is off the air for
now.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4110. Re: Hrmm! ...

Yahoo group: eu-amsat
Date: 2011-01-11 23:09:42 UTC
From: m5aka
Topic: 4105 Message: 4110

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...>
> Following the gerneral concensus of opinion, interestingly ... the Americans are discovering and are starting to experience 'European' style operating on AO-51.

Sounds like AO-51 has been gaining in popularity in the States and the've now hit the same congestion problems and consequent behaviour that Europe has had.

It's all because single channel sats can only handle a very limited number of users in their footprint. It's why I prefer Linear Tranponders.

73 Trevor M5AKA

4111. Guidelines.

Yahoo group: eu-amsat
Date: 2011-01-12 12:13:37 UTC
From: John Hackett
Topic: 4111 Message: 4111
Attachments: 1 described; binary payloads are missing from this source WARC

Group,
Something every satellite operator should read, digest ... and understand!.

Particularly the paragraph about not being long-winded and 'hogging' it.

Maybe those 2 x Russian 'regulars' will realise that AO-51 is *NOT* their personal local repeater.

While English is little used in Russia, most Russiand *DO* speak und understand the language so that's *NOT* really a barrier. RA3XL speaks better English than me! - and I'm from Manchester.

Just because the satellite footprint is over 'Mother' Russia at times ... the rest of Europe is usually covered too. Most operators are not !!! interested that you're visiting your great Aunt ... or the colour of your socks on Tuesdays - so keep it short and give others a chance ... please!.

73 John. <la2qaa@...>

4112. Not !!!! just Russians

Yahoo group: eu-amsat
Date: 2011-01-12 12:44:56 UTC
From: John Hackett
Topic: 4112 Message: 4112

Group,
While I specifically mentioned Russians in my last posting ... my comments apply equally well to Italians, German, French, English and any other nationalities in Europe. My comments were *NOT* aimed at any particular nationality ... but were! directed at two particular stations who tend to 'hog' it on every workable pass.

The other point is phonetics ... by trying to be 'clever' and using "Charlie, Lima, Oscar, Whisky, November
on the first call - then Cheese, Lettuce, Orange, Wimp, Novosibirsk on the next over *ONLY* causes confusion, requesting a repeat, wasting time ... so please. let's 'NOT' try to be 'clever'' and lets instead use the international phonetic alphabet when necessay to pass callsigns.

Work the good operators, ignore the alligators and clowns.

The idiot with the cow noises is part of the game - just ignore him. He's looking for attention.
Ignore him and he *WILL* get tired of it and go away ... trust me.

73 John. <la2qaa@...>

4113. Re: [eu-amsat] Not !!!! just Russians

Yahoo group: eu-amsat
Date: 2011-01-12 16:00:23 UTC
From: Luc Leblanc
Topic: 4112 Message: 4113

>
> The idiot with the cow noises is part of the game - just ignore him. He's looking for attention.
> Ignore him and he *WILL* get tired of it and go away ... trust me.
>
> 73 John. <la2qaa@...>
>
Is it what we called the mad cow disease?

It looks like the disease spread over the Atlantic!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4114. HO68..?

Yahoo group: eu-amsat
Date: 2011-01-12 19:38:45 UTC
From: LA2MOA
Topic: 4114 Message: 4114

Hmm... have been listening for HO-68 tonight, but not heard as much as a single "moooooh" or "OOOOOOOOOO-LAAA" from the FM-transponder. Seems that they have another day off, or..?

4115. RE: [eu-amsat] HO68..?

Yahoo group: eu-amsat
Date: 2011-01-12 20:23:44 UTC
From: John Hackett
Topic: 4114 Message: 4115

Group,
"As we speak", 110120102120Z, there's no word from Camsat as to why the HO-68 transponder resembles a Great Britain 1960's TUC 'working week' ... that is to say, off sick ... strike brothers! ... not at work for any number of reasons ...

As a matter of fact, information in general from the Camsat team appears to be TOP SECRET ... that is to say, they're not sharing it with the rest of the amateur satellite community - despite continued requests.

I was asked to supply information from Europe ... all I can tell you is that the information sharing
is *NOT* reciprocal.

73 John. <la2qaa@...>
To: eu-amsat@yahoogroups.com
From: hans.ostnell@gmail.com
Date: Wed, 12 Jan 2011 19:38:45 +0000
Subject: [eu-amsat] HO68..?

Hmm... have been listening for HO-68 tonight, but not heard as much as a single "moooooh" or "OOOOOOOOOO-LAAA" from the FM-transponder. Seems that they have another day off, or..?

4116. Operating proceedure.

Yahoo group: eu-amsat
Date: 2011-01-12 20:47:43 UTC
From: John Hackett
Topic: 4112 Message: 4116

Hello Luc,
Well, it sounds rather like a cow having a calf ... arrrggghh ... moooooooo .... ooooooooh.

I'd guess it's deliberate because a 3 year old could tune a radio in half! the time.

It could of course be one of those operators with no receive aerial.

Being serious for a moment, the problem stems from the higher power on AO-51, people than can't usually hear the satellite suddenly can! - and they use their HF techniques (MORE POWER! EGON)
without being able to hear themselves. Some of them don't even know! they're QRM'ing other operators because they don't understand the FULL DUPLEX principle - being only used to their local
50 - 100w repeater on VHF.

As was recently noted on the Amsat-bb ... even the editor of QST wasn't interested in publishing an
operating proceedure guide for satellite operating.

I requested that Amsat-NA and Amsat-UK publish a recommended operating proceedure way back in the 1990's ... nothing ever appeared. GM1SXX and myself did donate a booklet we wrote to Amsat-UK
but it was never promoted.

There has been an FM satellite guide from a well known Australian Ham, here on the internet but
in the last 15 years I've only ever seen it referred to once ... and that *WASN'T* by Amsat.

One would think that anyone trying a new mode would do a little research and read up on the subject ... but that's probably too much to ask in these 'tick-box' society days of falling standards.

If Amsat themselves don't produce a recommended operating guide for newcomers - it's highly unlikely anyone else will bother.

THUD! ... (falls off soapbox).

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 12 Jan 2011 11:00:23 -0500
Subject: Re: [eu-amsat] Not !!!! just Russians

>

> The idiot with the cow noises is part of the game - just ignore him. He's looking for attention.

> Ignore him and he *WILL* get tired of it and go away ... trust me.

>

> 73 John. <la2qaa@...>

>

Is it what we called the mad cow disease?

It looks like the disease spread over the Atlantic!

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4117. Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-12 20:55:16 UTC
From: Roberto
Topic: 4117 Message: 4117

Hello,please link up news :
http://www.arifidenza.it/FORUMOM/topic.asp?TOPIC_ID=144638&whichpage=2

Ttaslate on Google

73 de iw5bsf Roberto

>> > ----- Original Message -----
>> > From: "Alain De Carolis" <alain@...>
>> > To: <amsat-bb@...>
>> > Cc: <eu-amsat@yahoogroups.com>
>> > Sent: Tuesday, January 11, 2011 6:34 PM
>> > Subject: [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
>> >
>> >> Good news: the repeater on 145.800 has been deactivated
>> >>
>> >> http://www.issfanclub.com/node/30266
>> >>
>> >> I would like to publicly praise ARI for this wise decision
>> >>
>> >> 73's Alain
>> >> IZ6BYY/WW3WW
>> > _____
>> > Sent via AMSAT-BB@.... Opinions expressed are those of the
>> > author.
>> > Not an AMSAT-NA member? Join now to support the amateur satellite
> program!
>> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>>
>

4118. Re: [eu-amsat] Guidelines. [1 Attachment]

Yahoo group: eu-amsat
Date: 2011-01-13 10:01:12 UTC
From: phil ashton
Topic: 4111 Message: 4118

Hi John

Where do I find the AO-51 schedule please.

73 Phil G3XAP

From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Wed, 12 January, 2011 12:13:37
Subject: [eu-amsat] Guidelines. [1 Attachment]

[Attachment(s) from John Hackett included below]
Group,
Something every satellite operator should read, digest ... and understand!.

Particularly the paragraph about not being long-winded and 'hogging' it.

Maybe those 2 x Russian 'regulars' will realise that AO-51 is *NOT* their personal local repeater.

While English is little used in Russia, most Russiand *DO* speak und understand the language so that's *NOT* really a barrier. RA3XL speaks better English than me! - and I'm from Manchester.

Just because the satellite footprint is over 'Mother' Russia at times ... the rest of Europe is usually covered too. Most operators are not !!! interested that you're visiting your great Aunt ... or the colour of your socks on Tuesdays - so keep it short and give others a chance ... please!.

73 John. <la2qaa@...>

4119. Re: Re: [eu-amsat] Guidelines.

Yahoo group: eu-amsat
Date: 2011-01-13 10:12:06 UTC
From: Mike Rupprecht
Topic: 4111 Message: 4119

Hi Phil,

see here: http://www.amsat.org/amsat-new/echo/CTNews.php

73, MIke
DK3WN

~~~~~~
January 2011 AO-51 Schedule
January 1 (late UTC)
FM Repeater, V/U
Uplink: 145.920 MHz FM (no PL tone)
Downlink: 435.300 MHz FM

On by command stations only:
9k6 Baud Telemetry
Downlink: 435.150 MHz FM at 9600 baud

Remember that power management is ON and the transmitter(s) will shut OFF during periods of eclipse.

----- original Nachricht --------

Betreff: Re: [eu-amsat] Guidelines.
Gesendet: Do, 13. Jan 2011
Von: phil ashton

Hi John Where do I find the AO-51 schedule please. 73 Phil G3XAP

From: John Hackett <archie.hackett@...>
To: eu-amsat@yahoogroups.com
Sent: Wed, 12 January, 2011 12:13:37
Subject: [eu-amsat] Guidelines. [1 Attachment]

Group,
Something every satellite operator should read, digest ... and understand!.

Particularly the paragraph about not being long-winded and 'hogging' it.

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Just because the satellite footprint is over 'Mother' Russia at times ... the rest of Europe is usually covered too. Most operators are not !!! interested that you're visiting
~~~~~~

your great Aunt ... or the colour of your socks on Tuesdays - so keep it short and give others a chance ... please!.

73 John. <la2qaa@...>

--- original Nachricht Ende ----

4120. Re: Re: [eu-amsat] Guidelines.

Yahoo group: eu-amsat
Date: 2011-01-13 12:33:15 UTC
From: phil ashton
Topic: 4111 Message: 4120

Thanks Mike

Phil G3XAP

_____
From: Mike Rupprecht <mail@...>
To: eu-amsat@yahoogroups.com
Sent: Thu, 13 January, 2011 10:12:06
Subject: Re: Re: [eu-amsat] Guidelines.

Hi Phil,

see here: http://www.amsat.org/amsat-new/echo/CTNews.php

73, MIke
DK3WN

~~~~~~
January 2011 AO-51 Schedule

----- original Nachricht --------

Betreff: Re: [eu-amsat] Guidelines.
Gesendet: Do, 13. Jan 2011
Von: phil ashton

Hi John

Where do I find the AO-51 schedule please.

73 Phil G3XAP

_____
From: John Hackett <archie.hackett@hotmail.com>
To: eu-amsat@yahoogroups.com
Sent: Wed, 12 January, 2011 12:13:37
Subject: [eu-amsat] Guidelines. [1 Attachment]

Group,
          Something every satellite operator should read, digest ... and
understand!.

Particularly the paragraph about not being long-winded and 'hogging' it.

Maybe those 2 x Russian 'regulars' will realise that AO-51 is *NOT* their
personal local repeater.

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Just because the satellite footprint is over 'Mother' Russia at times ... the rest of Europe is usually covered too. Most operators are not !!! interested that you're visiting your great Aunt ... or the colour of your socks on Tuesdays - so keep it short and give others a chance ... please!.

73 John. <la2qaa@amsat.org>

--- original Nachricht Ende ----

January 1 (late UTC)
FM Repeater, V/U
Uplink: 145.920 MHz FM (no PL tone)
Downlink: 435.300 MHz FM

On by command stations only:
9k6 Baud Telemetry
Downlink: 435.150 MHz FM at 9600 baud

Remember that power management is ON and the transmitter(s) will shut OFF during periods of eclipse.

4121. (no subject)

Yahoo group: eu-amsat
Date: 2011-01-13 15:51:44 UTC
From: John Hackett
Topic: 4121 Message: 4121

http://edussasia.com/images/images.html

4122. RE: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

Yahoo group: eu-amsat
Date: 2011-01-13 15:55:25 UTC
From: Nitin Muttin
Topic: 4098 Message: 4122

I am receiving same duplicate emails on this group. Example there were 50 duplicate emails of the below in my Inbox. Anyone facing similar issue ?

73's

Nitin [VU3TYG]

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Luc Leblanc
Sent: Tuesday, January 11, 2011 6:22 PM
To: eu-amsat@yahoogroups.com
Cc: amsat-bb@...; vig@...; rachq@...; ghbawden@...; jameskeep@...; ve2ka@...; n3kn@...
Subject: Re: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)

On 11 Jan 2011 at 5:46, yo9gjx wrote:

Date sent: Tue, 11 Jan 2011 05:46:22 +0000
From: yo9gjx <yo9gjx@... <mailto:yo9gjx%40yahoo.com.ar> >
Subject: [eu-amsat] [amsat-bb] Re: IR3UEF D-Star repeater 145.800 (!)
To: eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com>
Send reply to: eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com>

> http://www.southgatearc.org/news/january2011/italian_repeaters.htm

As suggested in this article i send a copy of an e-mail i send to the Italian Canadian Ambassador in Ottawa. Could be ALL the international AMSAT'S, ARISS association and amateur radio association (ARRL, REF, RAC etc) can do the same? It is not a question to interfere with any Italian internal affairs but to demonstrate an international concern about Amateur radio Spectrum and making the world aware that the amateur radio operator care about their frequencies and that they are seeking to have any international agreement respected.

This is something who should come out in the first place by those who are representing us and it is not too late to act.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3376 - Release Date: 01/12/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3376 - Release Date: 01/12/11

4123. Duplicate messages.

Yahoo group: eu-amsat
Date: 2011-01-13 16:24:48 UTC
From: John Hackett
Topic: 4098 Message: 4123

Nitin,
I'm getting a pile of Postmaster delivery status cannot deliver messages ... for -email messages
I have *NOT* !!! instigated ... but that are using 'contacts' from my contact list.

The 'offers' are for Canadian Medics ... Viagra ... etc ... so obviously some idiot is using thr e-mail addresses via Windows Live Hotmail.

Make sure you're using a decent antivirus / spamware software.

Windows is renouned! for leaving the back door open.

"As we speak" I'm doing a complete system scan - and if that doesn't work I'll just change my e-mail provider.

I believe they call this kind of rubbish a Trojan ... me? ... I'll just kill the bugger.

73 John. <la2qaa@...>

4124. Spybot S & D

Yahoo group: eu-amsat
Date: 2011-01-13 17:56:55 UTC
From: John Hackett
Topic: 4124 Message: 4124

From: archie.hackett@...
To: alankung@...
CC: allan_gm1sxx@...; amsat-bb@...; archie.hackett@...; arman.yusuf@...; ba1du@...; ban158@...; bhlawler@...; domenico.i8cvs@...
Subject:
Date: Thu, 13 Jan 2011 18:53:49 +0100

Friends,
Unbeknown to me, my computer was compromised with a Trojan.

I have now run a complete scan for viruses and Trojans. The computer is now clean.

I apologise for any inconvenience caused - even though it really isn't my fault.

I have *Always* had a recommended antivirus program installed. I now have Spybot installed permantently as well. It *DID* show and delete the problem.

Again, my apologies for any inconvenience.

73 John. <la2qaa@...>

4125. AW: [amsat-bb] Re: HO-68 Not Heard

Yahoo group: eu-amsat
Date: 2011-01-13 18:29:59 UTC
From: Mike Rupprecht
Topic: 4125 Message: 4125

... for your information:

------ snip ----------

Dear Mike,

Thank you very much for your report!

I received same fault reports from NA, EU and Asia. When we reset satellite
onboard computer it
was solved, but the problem happened frequently recent days. We are now
studying and analyzing
telemetry data, I will let you know when we get the results.

Please let me know if you get any fault report about HO-68.

73
Alan, BA1DU

-----Ursprüngliche Nachricht-----
Von: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] Im
Auftrag von GW1FKY@aol.com
Gesendet: Donnerstag, 13. Januar 2011 17:47
An: john@...; amsat-bb@...
Betreff: [amsat-bb] Re: HO-68 Not Heard

Hi all,
I can report the same experience in respect of HO-68 beacon on two of the
morning passes over here in the UK.
Sorry I did not report it initially until I had confirmed my equipment was
OK on passes of VO-53, we had lots
of rain over the past two days so needed to be sure that I was not making
an incorrect report.
Ken Eaton
GW1FKY

_____
Sent via AMSAT-BB@.... Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

4126. No one is better than...ME?

Yahoo group: eu-amsat
Date: 2011-01-14 01:52:34 UTC
From: Luc Leblanc
Topic: 4124 Message: 4126

On 13 Jan 2011 at 18:56, John Hackett wrote:

Date sent: Thu, 13 Jan 2011 18:56:55 +0100
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] Spybot S & D
To: allan_I DELETED THE REST
Send reply to: eu-amsat@yahoogroups.com

>
>
>
> From: archie.hackett@...
> To: alankung@...
> CC: allan_SAME THING HERE
> Subject:
> Date: Thu, 13 Jan 2011 18:53:49 +0100
>
>
>
>
>
>
>
>
> Friends,
> Unbeknown to me, my computer was compromised with a Trojan.
>
> I have now run a complete scan for viruses and Trojans. The computer is now clean.
>
> I apologise for any inconvenience caused - even though it really isn't my fault.
>
> I have *Always* had a recommended antivirus program installed. I now have Spybot installed permantently as well. It *DID* show and delete the problem.
>
> Again, my apologies for any inconvenience.
>
> 73 John. <la2qaa@...>
>

Hi John

First a link to hear in the first place.... http://www.youtube.com/watch?v=XAYhNHhxN0A

Second always make SPYBOT running and make frequent spyware bank update (I just discover than my last update date back 3 months!)

Third never have any address book!!!! There is no other safe solution BUT MANY WILL DISAGREE HERE AS ON TROJAN TOO!!!!

Fourth use PEGASUS MAIL as your e-mail software NEVER BEEN COMPROMIZED YET!!! but again http://www.youtube.com/watch?v=XAYhNHhxN0A
BUT BUT BUTTS...?

Fifth FOOL ME OUNCE SHAME ON ME and you know the rest but you have to know the source and again! http://www.youtube.com/watch?v=XAYhNHhxN0A

AHHHHHH ANOTHER NEWBIE.....JOKE ;)

There was a perfect storm but no perfect solution...

P.S. try as possible as possible to hide your CC

And the last solution: http://www.trojan.ca/en/home/ and again it's not fool proof...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4127. RE: [eu-amsat] No one is better than...ME?

Yahoo group: eu-amsat
Date: 2011-01-14 09:34:22 UTC
From: John Hackett
Topic: 4124 Message: 4127

Thanks! Luc,
I'll look at all the links.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@videotron.ca
Date: Thu, 13 Jan 2011 20:52:34 -0500
Subject: [eu-amsat] No one is better than...ME?

On 13 Jan 2011 at 18:56, John Hackett wrote:

Date sent: Thu, 13 Jan 2011 18:56:55 +0100

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] Spybot S & D

To: allan_I DELETED THE REST

Send reply to: eu-amsat@yahoogroups.com

>

>

>

> From: archie.hackett@...

> To: alankung@...

> CC: allan_SAME THING HERE

> Subject:

> Date: Thu, 13 Jan 2011 18:53:49 +0100

>

>

>

>

>

>

>

>

> Friends,

> Unbeknown to me, my computer was compromised with a Trojan.

>

> I have now run a complete scan for viruses and Trojans. The computer is now clean.

>

> I apologise for any inconvenience caused - even though it really isn't my fault.

>

> I have *Always* had a recommended antivirus program installed. I now have Spybot installed permantently as well. It *DID* show and delete the problem.

>

> Again, my apologies for any inconvenience.

>

> 73 John. <la2qaa@...>

>

Hi John

First a link to hear in the first place.... http://www.youtube.com/watch?v=XAYhNHhxN0A

Second always make SPYBOT running and make frequent spyware bank update (I just discover than my last update date back 3 months!)

Third never have any address book!!!! There is no other safe solution BUT MANY WILL DISAGREE HERE AS ON TROJAN TOO!!!!

Fourth use PEGASUS MAIL as your e-mail software NEVER BEEN COMPROMIZED YET!!! but again http://www.youtube.com/watch?v=XAYhNHhxN0A

BUT BUT BUTTS...?

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AHHHHHH ANOTHER NEWBIE.....JOKE ;)

There was a perfect storm but no perfect solution...

P.S. try as possible as possible to hide your CC

And the last solution: http://www.trojan.ca/en/home/ and again it's not fool proof...

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4128. Playing the game ...

Yahoo group: eu-amsat
Date: 2011-01-14 13:56:00 UTC
From: John Hackett
Topic: 4128 Message: 4128

On the 14:36 UTC pass of AO-51 there was a German and an English QRP station attempting to make a contact but couldn't get through the Russian *net* ... where the one station passed it to
another station (without pausing to listen).

C'mon! gentlemen, this is *NOT* playing the game. A good operator LISTENS occasionally ... a good
operator gives the QRP stations a chance sometimes.

The stations I refer to were in QSO yesterday ... the day before ... and the day before that ...

Ohh ... of course !!! ... coincidence! ... yes, I should have known ... but why is it necessary to call the
same station everyday ??.

73 John. <la2qaa@...>

4129. Re: Playing the game ...

Yahoo group: eu-amsat
Date: 2011-01-14 14:53:53 UTC
From: Al
Topic: 4128 Message: 4129

Hi,

Do these Russian 'gentleman' have callsigns by any chance? If so, I'd suggest sending them some appropriate literature on proper operating procedure. This might just do the trick.
Just my 0.2Pence-worth.
Perhaps even an invite to join this group could be productive.
AO51 is completely unsuitable for rag-chewing.

73 Al.
GM1SXX

--- In eu-amsat@...m, John Hackett <archie.hackett@...> wrote:
>
>
> On the 14:36 UTC pass of AO-51 there was a German and an English QRP station attempting to
> make a contact but couldn't get through the Russian *net* ... where the one station passed it to
> another station (without pausing to listen).
>
> C'mon! gentlemen, this is *NOT* playing the game. A good operator LISTENS occasionally ... a good
> operator gives the QRP stations a chance sometimes.
>
> The stations I refer to were in QSO yesterday ... the day before ... and the day before that ...
>
> Ohh ... of course !!! ... coincidence! ... yes, I should have known ... but why is it necessary to call the
> same station everyday ??.
>
> 73 John. <la2qaa@...>
>

4130. Re: [eu-amsat] Playing the game ...

Yahoo group: eu-amsat
Date: 2011-01-14 17:36:14 UTC
From: Blinov Igor
Topic: 4128 Message: 4130

Hello Group!
I like when all "gentlemen" who speak in Russian language call Russian.
But the problem is not in body color/language style/QRA loc or anybody else.
If you have G5500, for example, and 9 el switching pol yagi - you can heard all from 0 degree. But, how much stations use it? When you work HT with rubber will you heard full pass? Again, if you have G5500 and good antenna, but you in the bad environment (city or other qrm) - can you heard all pass? My answer is NO.
Duplex will save the World... and Peace on FM-sat.

73! Igor, RW3XL

14.01.2011, 16:56, "John Hackett" <archie.hackett@hotmail.com>:

On the 14:36 UTC pass of AO-51 there was a German and an English QRP station attempting to make a contact but couldn't get through the Russian *net* ... where the one station passed it to
another station (without pausing to listen).

C'mon! gentlemen, this is *NOT* playing the game. A good operator LISTENS occasionally ... a good
operator gives the QRP stations a chance sometimes.

The stations I refer to were in QSO yesterday ... the day before ... and the day before that ...

Ohh ... of course !!! ... coincidence! ... yes, I should have known ... but why is it necessary to call the
same station everyday ??.

73 John. <la2qaa@amsat.org>;

4131. Re: [eu-amsat] Playing the game ...

Yahoo group: eu-amsat
Date: 2011-01-14 22:02:42 UTC
From: Thomas Frey
Topic: 4128 Message: 4131

Gentlemen

There are also Russian people with Chinese long range telephones in
the uplink of AO-51 !

I'm listening every weekend to AO-51, our Russian colleagues has a
good operating practice. I don't make a list of bad operators here,
you can listen yourself.

Blinov Igor schrieb:
>
>
> Hello Group!
> I like when all "gentlemen" who speak in Russian language call Russian.
> But the problem is not in body color/language style/QRA loc or
> anybody else.
> If you have G5500, for example, and 9 el switching pol yagi - you can
> heard all from 0 degree. But, how much stations use it? When you work
> HT with rubber will you heard full pass? Again, if you have G5500 and
> good antenna, but you in the bad environment (city or other qrm) - can
> you heard all pass? My answer is NO.
> Duplex will save the World... and Peace on FM-sat.
> ---
> 73! Igor, RW3XL
> 14.01.2011, 16:56, "John Hackett" <archie.hackett@...>:
>
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> Ohh ... of course !!! ... coincidence! ... yes, I should have
> known ... but why is it necessary to call the
> same station everyday ??.
>
> 73 John. <la2qaa@...> <mailto:la2qaa@...%3E>;
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4132. Re: No one is better than...ME?

Yahoo group: eu-amsat
Date: 2011-01-15 07:17:53 UTC
From: yo9gjx
Topic: 4124 Message: 4132

In my humble opinion, you have a RAT (http://rapidguide.blogspot.com/search/label/Rats)
It grab your emails, messenger for adress list and send data to a server, also is multiply and auto send to your friends. The goal is to grab how many email adresses he can for SPAM .
You must search in your computer a file with a name like " server.exe " and deleted.

http://www.exterminate-it.com/malpedia/remove-http-rat

http://securityxploded.com/

If not scan your computer online with online antivirus scanners.

http://www.bitdefender.ro/scanner/online/free.html

If is not working reinstall your windows and learn how to really secure your computer

http://www.insecurity.ro/

73

4133. Re: No one is better than...ME?

Yahoo group: eu-amsat
Date: 2011-01-15 09:32:00 UTC
From: Al
Topic: 4124 Message: 4133

--- In eu-amsat@yahoogroups.com, "yo9gjx" <yo9gjx@...> wrote:
>
> In my humble opinion, you have a RAT (http://rapidguide.blogspot.com/search/label/Rats)
> It grab your emails, messenger for adress list and send data to a server, also is multiply and auto send to your friends. The goal is to grab how many email adresses he can for SPAM .
> You must search in your computer a file with a name like " server.exe " and deleted.
>

For anyone considering this route, please be a little bit careful. Please read this page first.

http://www.file.net/process/server.exe.html
Your server.exe file may not be malware!
I would also point out that most antivirus programs do not find and eradicate malware. You need a different software tool for that.
Spyware Search & Destroy is one that I use. (free for non-commercial use).
The Microsoft Malware Removal Tool is another. Available at www.microsoft.com
Malware and Spambots often need separate software for identification and eradication.
73 Al.
GM1SXX

4134. Agreed, and by the way ...

Yahoo group: eu-amsat
Date: 2011-01-15 12:18:14 UTC
From: John Hackett
Topic: 4134 Message: 4134

Group,
I agree with GM1SXX. Some Malware and SPAM files are *NOT* detected by certain anti-virus programs but *ARE* detected and deleted SPYBOT SEARCH & DESTROY ... (FREE).

By the way ...

For those thinking that my recent remarks about AO-51 operating were an exclusive attack on Russian stations, I can assure you they were most definately *NOT*.

In earlier posts from me one can read my praise of the general standard of operating by Russian stations.

I''m sorry to say, we lost another member of the group this week ... but on the other hand, we did gain four new members.

LOOK AT US !!! ...

We now have just over half the number of members of Amsat-UK ... not bad for a splinter group.

73 John. <la2qaa@...>

4135. Re HO-68

Yahoo group: eu-amsat
Date: 2011-01-15 14:54:48 UTC
From: John Hackett
Topic: 4135 Message: 4135

In this week I received many reports from all over the world about faults of HO-68 telemetry beacon. After we analyzed situation of the satellite, we think that the software of payload management MPU was not running properly, the communication of onboard data bus between payload management MPU and the satellite management unit was stopped because of the software crashes. It led to the beacon problem and abnormal switch of transponder.

Today we switched the satellite into safety mode at 0300Z , turn off most of onboard units, and then we re-powered up at 0440Z, the satellite was back to normal operating mode, so far the beacon operates normally.

We will not upload command to the satellite for transponder operating skeds of next week, we will monitor continually in next week. Please send your report if you find any abnormal operation of HO-68.

73!

Alan Kung, BA1DU
HO-68(XW-1) Project Manager
www.camsat.cn

4136. Orbitron TLEs

Yahoo group: eu-amsat
Date: 2011-01-15 19:06:31 UTC
From: g3xap1941
Topic: 4136 Message: 4136

Hi all,

I've started using Orbitron but when I update TLEs via "Space Track", using the Amateur Radio option, there are few active amateur sats listed.

How do I get a comprehensive set of current amateur satellites into Orbitron please.

Any suggestions would be most welcome.

Thanks,

73 de Phil G3XAP

4137. Re: [eu-amsat] Orbitron TLEs

Yahoo group: eu-amsat
Date: 2011-01-15 19:37:38 UTC
From: angus
Topic: 4136 Message: 4137

Hi Phil,
have you tried using the Amsat status page
http://www.amsat.org/amsat-new/satellites/status.php
I use this mostly, if anyone has anything better I would be interested.
regards
Angus M0IKB

----- Original Message -----
From: g3xap1941
To: eu-amsat@yahoogroups.com
Sent: Saturday, January 15, 2011 7:06 PM
Subject: [eu-amsat] Orbitron TLEs

Hi all,

I've started using Orbitron but when I update TLEs via "Space Track", using the Amateur Radio option, there are few active amateur sats listed.

How do I get a comprehensive set of current amateur satellites into Orbitron please.

Any suggestions would be most welcome.

Thanks,

73 de Phil G3XAP

4138. Re: [eu-amsat] Orbitron TLEs

Yahoo group: eu-amsat
Date: 2011-01-15 21:08:35 UTC
From: Eric Knaps, ON4HF
Topic: 4136 Message: 4138

Hello Phil,

I have these lines inserted in my TLE updater and works fine for me:

http://www.celestrak.com/NORAD/elements/amateur.txt
http://www.celestrak.com/NORAD/elements/cubesat.txt
http://www.celestrak.com/NORAD/elements/tle-new.txt

Hope this helps.
73,
Eric.

Amateur Radio Station ON4HF
Eric Knaps
Satellite manager UBA

Tel. +32472985876 (mobile)

http://www.on4hf.be

Op 15/01/2011 20:06, g3xap1941 schreef:
>
> Hi all,
>
> I've started using Orbitron but when I update TLEs via "Space Track",
> using the Amateur Radio option, there are few active amateur sats listed.
>
> How do I get a comprehensive set of current amateur satellites into
> Orbitron please.
>
> Any suggestions would be most welcome.
>
> Thanks,
>
> 73 de Phil G3XAP
>
>

4139. AMSAT INDIA January 2011 News Letter

Yahoo group: eu-amsat
Date: 2011-01-16 09:30:28 UTC
From: Nitin Muttin
Topic: 4139 Message: 4139

All,

AMSAT INDIA's January 2011 news letter is available for download. The PDF of the newsletter is at http://amsatindia.org/Newsletter/AMSATINDIA-News-January2011.pdf and the archives at www.amsatindia.org/Newsletter

Contents of the Newsletter :

1. Message from the President of AMSAT INDIA, Ramesh, VU2RMS.

2. Monthly talks on topics related to Amateur Radio satellite communication

3. Report by Technical Director, POP, VU2POP

4. Few images to an AZ/EL rotator. (More details in next news letter)

5. News from AMSAT organizations world wide.

73's

Nitin [VU3TYG]

Secretary, AMSAT INDIA

www.amsatindia.org

vu3tyg@...

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3383 - Release Date: 01/15/11

4140. Re: [eu-amsat] Orbitron TLEs

Yahoo group: eu-amsat
Date: 2011-01-17 10:56:54 UTC
From: phil ashton
Topic: 4136 Message: 4140

Thanks Angus and also Eric ON4HF for your comments.

I'll try these web sites when time permits.

73 Phil G3XAP

From: angus <angus@...>
To: eu-amsat@yahoogroups.com
Sent: Sat, 15 January, 2011 19:37:38
Subject: Re: [eu-amsat] Orbitron TLEs

Hi Phil,
have you tried using the Amsat status page
http://www.amsat.org/amsat-new/satellites/status.php
I use this mostly, if anyone has anything better I would be interested.
regards
Angus M0IKB

----- Original Message -----
>From: g3xap1941
>To: eu-amsat@yahoogroups.com
>Sent: Saturday, January 15, 2011 7:06 PM
>Subject: [eu-amsat] Orbitron TLEs
>
>
>Hi all,
>
>I've started using Orbitron but when I update TLEs via "Space Track", using the
>Amateur Radio option, there are few active amateur sats listed.
>
>How do I get a comprehensive set of current amateur satellites into Orbitron
>please.
>
>Any suggestions would be most welcome.
>
>Thanks,
>
>73 de Phil G3XAP
>
>
>
>

4141. HO-68

Yahoo group: eu-amsat
Date: 2011-01-17 09:39:49 UTC
From: LA2MOA
Topic: 3355 Message: 4141

Group,

I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:

BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW

I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".

LSB up - USB down = Donald Duck
USB up - LSB down = Donald Duck
USB up - USB down = Donald Duck
LSB up - LSB down = Donald Duck

CW worked better, of course. Was calling CQ for a while, but no takers.

Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.

Anyone who has contact with Alan Kung may pass on this report to him.

73,

Hans / LA2MOA
JP50hw
By the way: I LOVE my new FT-847...

4142. FW: HO-68

Yahoo group: eu-amsat
Date: 2011-01-17 11:32:56 UTC
From: John Hackett
Topic: 4142 Message: 4142

Alan,
Note the report ...

Date: Mon, 17 Jan 2011 11:09:57 +0100
Subject: HO-68
From: la2moa@...
To: archie.hackett@...

hi John,

The following text is originally a posting for the EU-Amsat group, but since Yahoo doesn't accept (or uppdates) new postings I'm passing it on to you...

Group,

I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:

BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW

I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".

LSB up - USB down = Donald Duck
USB up - LSB down = Donald Duck
USB up - USB down = Donald Duck
LSB up - LSB down = Donald Duck

CW worked better, of course. Was calling CQ for a while, but no takers.

Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.

Anyone who has contact with Alan Kung may pass on this report to him.

73,

Hans / LA2MOA
JP50hw
By the way: I LOVE my new FT-847...

4143. Test posting - please ignore

Yahoo group: eu-amsat
Date: 2011-01-17 10:53:59 UTC
From: LA2MOA
Topic: 4143 Message: 4143

. . .

4144. HO-68

Yahoo group: eu-amsat
Date: 2011-01-17 09:56:33 UTC
From: LA2MOA
Topic: 3355 Message: 4144

Group,

I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:

BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW

I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".

LSB up - USB down = Donald Duck
USB up - LSB down = Donald Duck
USB up - USB down = Donald Duck
LSB up - LSB down = Donald Duck

CW worked better, of course. Was calling CQ for a while, but no takers.

Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.

Anyone who has contact with Alan Kung may pass on this report to him.

73,

Hans / LA2MOA
JP50hw
By the way: I LOVE my new FT-847...

4145. AO-51 operator.

Yahoo group: eu-amsat
Date: 2011-01-17 09:42:38 UTC
From: John Hackett
Topic: 4145 Message: 4145

An AO-51 operator? ...

<http://www.qrz.com/hampages/c/j/iz0ijc/IZ_IJC.jpg>

73 John. <la2qaa@...>

4146. Re: [eu-amsat] Orbitron TLEs

Yahoo group: eu-amsat
Date: 2011-01-16 19:26:55 UTC
From: phil ashton
Topic: 4136 Message: 4146

Thanks Angus and also Eric, ON4HF.

I'll try these out in the near future when time permits.

Phil G3XAP

From: angus <angus@...>
To: eu-amsat@yahoogroups.com
Sent: Sat, 15 January, 2011 19:37:38
Subject: Re: [eu-amsat] Orbitron TLEs

Hi Phil,
have you tried using the Amsat status page
http://www.amsat.org/amsat-new/satellites/status.php
I use this mostly, if anyone has anything better I would be interested.
regards
Angus M0IKB

----- Original Message -----
>From: g3xap1941
>To: eu-amsat@yahoogroups.com
>Sent: Saturday, January 15, 2011 7:06 PM
>Subject: [eu-amsat] Orbitron TLEs
>
>
>Hi all,
>
>I've started using Orbitron but when I update TLEs via "Space Track", using the
>Amateur Radio option, there are few active amateur sats listed.
>
>How do I get a comprehensive set of current amateur satellites into Orbitron
>please.
>
>Any suggestions would be most welcome.
>
>Thanks,
>
>73 de Phil G3XAP
>
>
>
>

4147. Re: [eu-amsat] FW: HO-68

Yahoo group: eu-amsat
Date: 2011-01-17 12:01:06 UTC
From: Mike Rupprecht
Topic: 4142 Message: 4147

Hi Hans,

thats really strange. According to the CW beacon there was NO transponder active.

BJ1SA XW XW AAA TTT -> means only CW beacon.

73, Mike
DK3WN

----- original Nachricht --------

Betreff: [eu-amsat] FW: HO-68
Gesendet: Mo, 17. Jan 2011
Von: John Hackett

Alan,
Note the report ...

Date: Mon, 17 Jan 2011 11:09:57 +0100
Subject: HO-68
From: la2moa@gmail.com
To: archie.hackett@...

hi John,

The following text is originally a posting for the EU-Amsat group, but since Yahoo doesn't accept (or uppdates) new postings I'm passing it on to you...

Group,

I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:

BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW

I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".

LSB up - USB down = Donald Duck
USB up - LSB down = Donald Duck
USB up - USB down = Donald Duck
LSB up - LSB down = Donald Duck

CW worked better, of course. Was calling CQ for a while, but no takers.

Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.

Anyone who has contact with Alan Kung may pass on this report to him.

73,

Hans / LA2MOA
JP50hw
By the way: I LOVE my new FT-847...

--- original Nachricht Ende ----

4148. Re: [eu-amsat] HO-68

Yahoo group: eu-amsat
Date: 2011-01-17 13:02:59 UTC
From: Thomas Frey
Topic: 3355 Message: 4148

LA2MOA schrieb:
> Group,
>

Hello Hans

> I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:
>
> BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW
>

'AAA TTT' after 'XW XW' means that only the beacon is active.

> I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".
>
> LSB up - USB down = Donald Duck
> USB up - LSB down = Donald Duck
> USB up - USB down = Donald Duck
> LSB up - LSB down = Donald Duck
>
> CW worked better, of course. Was calling CQ for a while, but no takers.
>

I think you heard yourself. Check your coax cables and antennas again.

> Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.
>

If you monitor the beacon, look at this:

```
Call ID ID Ch1 Ch2
-------------------
BJ1SA XW XW AAA TTT -> only beacon
BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
BJ1SA XW XW TTT ATT -> beacon + Software Upload
```

> Anyone who has contact with Alan Kung may pass on this report to him.
>
> 73,
>
> Hans / LA2MOA
> JP50hw
> *By the way: I LOVE my new FT-847...*

>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4149. HO-68's transponder will be off all week.

Yahoo group: eu-amsat
Date: 2011-01-17 19:47:23 UTC
From: John Hackett
Topic: 4149 Message: 4149

Group,
HO-68's transponder won't be switched on this week.

73 John. <la2qaa@...>

From: alankung@...
To: la2qaa@amsat.org
Subject: Re: HO-68
Date: Tue, 18 Jan 2011 01:47:23 +0800

Hi John,

Thank you very much for your report!

This week HO-68 transponder will not be turn on, we
will see if beacon can work
steadily. we are going to test transponder at this
weekend.

73!
Alan, BA1DU

4150. Re: HO-68

Yahoo group: eu-amsat
Date: 2011-01-18 09:31:19 UTC
From: LA2MOA
Topic: 3355 Message: 4150

Hi Thomas,

Yes... of course, it was the third harmonic of myself I heard... Problem is fixed now...

Tnx,

Hans

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> LA2MOA schrieb:
> > Group,
> >
>
> Hello Hans
>
> > I was monitoring the HO-68 beacon at 0914Z when the bird had a nice passage over EU. Here's what I received:
> >
> > BJ1SA XW XW AAA TTT AAN TDT ETT TTT TTT TTT TTT TTT TTT TTT TTN XW XW
> >
>
> 'AAA TTT' after 'XW XW' means that only the beacon is active.
>
> > I also tried the linear transponder, which was somewhat operational. Wasn't that lucky on SSB - whatever I tried on the uplink, came back on the downling "Donald Duck:ish".
> >
> > LSB up - USB down = Donald Duck
> > USB up - LSB down = Donald Duck
> > USB up - USB down = Donald Duck
> > LSB up - LSB down = Donald Duck
> >
> > CW worked better, of course. Was calling CQ for a while, but no takers.
> >
>
> I think you heard yourself. Check your coax cables and antennas again.
>
> > Next passage over EU is around 11Z, and I hope as many as possible will monitor the bird - both the linear and the FM transponder.
> >
>
> If you monitor the beacon, look at this:
>
> Call ID ID Ch1 Ch2
> ----------
> BJ1SA XW XW AAA TTT -> only beacon

> BJ1SA XW XW TTT TTA -> beacon + Lineartransponder
> BJ1SA XW XW TTT TAT -> beacon + FM-Repeater
> BJ1SA XW XW TTT ATT -> beacon + Software Upload
>
>
> > Anyone who has contact with Alan Kung may pass on this report to him.
> >
> > 73,
> >
> > Hans / LA2MOA
> > JP50hw
> > *By the way: I LOVE my new FT-847...*
> >
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

4151. RE: [amsat-bb] HO-68's transponder will be off all week.

Yahoo group: eu-amsat
Date: 2011-01-18 16:13:55 UTC
From: John Hackett
Topic: 4151 Message: 4151

Yes Bill,
Like I said ... the *TRANSPONDER* will be off ...

See <http://oscar.dcarr.org/>

The *BEACON* will be on - for testing.

73 John. <la2qaa@...>
.....
.....

> From: gillie@...
> To: la2qaa@...; eu-amsat@yahoogroups.com
> CC: amsat-bb@...
> Subject: Re: [amsat-bb] HO-68's transponder will be off all week.
> Date: Tue, 18 Jan 2011 11:01:39 -0500
>
> HO-68's beacon was loud and solid on it's pass over Northeastern USA last
> evening.
> 73 Bill
>
> ----- Original Message -----
> From: "John Hackett" <archie.hackett@hotmail.com>
> To: <eu-amsat@yahoogroups.com>
> Cc: <amsat-bb@...>
> Sent: Monday, January 17, 2011 2:47 PM
> Subject: [amsat-bb] HO-68's transponder will be off all week.
>
>
> >
> > Group,
> > HO-68's transponder won't be switched on this week.
> >
> > 73 John. <la2qaa@...>
> >
> > From: alankung@...
> > To: la2qaa@...
> > Subject: Re: HO-68
> > Date: Tue, 18 Jan 2011 01:47:23 +0800
> >
> >
> >
> >
> >
> >
> >

> >
> >
> >
> > Hi John,
> >
> > Thank you very much for your report!
> >
> > This week HO-68 transponder will not be turn on, we
> > will see if beacon can work
> > steadily. we are going to test transponder at this
> > weekend.
> >
> > 73!
> > Alan, BA1DU
> >
> > _____
> > Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

4152. RE: [amsat-bb] Re: HO-68's transponder will be off all week.

Yahoo group: eu-amsat
Date: 2011-01-19 10:41:25 UTC
From: John Hackett
Topic: 4152 Message: 4152

Well congratulations !!! Nick,
I would have thought that an English speaking station would have managed
to figured out from Alan's (the control station) message that he meant the transponder was
closed for general use, while they ran the beacon tests ... but apparently not.

NB.

Don't shoot the messenger.

If you actually 'read' the thread there's a possiblility you might understand my original
post.

73 John. <la2qaa@...>
.....
.....

> From: quadpugh@bellsouth.net
> To: la2qaa@...; gillie@...
> CC: amsat-bb@...; eu-amsat@yahoogroups.com
> Subject: RE: [amsat-bb] Re: HO-68's transponder will be off all week.
> Date: Wed, 19 Jan 2011 03:34:36 -0600
>
> TNX I enjoyed hearing myself
> Nick k5qxj
>
>
> -----Original Message-----
> From: amsat-bb-bounces@... [mailto:amsat-bb-bounces@...] On
> Behalf Of John Hackett
> Sent: Tuesday, January 18, 2011 10:14 AM
> To: gillie@pa.net
> Cc: amsat-bb@...; eu-amsat@yahoogroups.com
> Subject: [amsat-bb] Re: HO-68's transponder will be off all week.
>
>
> Yes Bill,
> Like I said ... the *TRANSPONDER* will be off ...
>
> See <http://oscar.dcarr.org/>
>
> The *BEACON* will be on - for testing.
>
> 73 John. <la2qaa@...>
> .....
> .....
>

> > From: gillie@...
> > To: la2qaa@...; eu-amsat@yahoogroups.com
> > CC: amsat-bb@...
> > Subject: Re: [amsat-bb] HO-68's transponder will be off all week.
> > Date: Tue, 18 Jan 2011 11:01:39 -0500
> >
> > HO-68's beacon was loud and solid on it's pass over Northeastern USA last
> > evening.
> > 73 Bill
> >
> > ----- Original Message -----
> > From: "John Hackett" <archie.hackett@...>
> > To: <eu-amsat@yahoogroups.com>
> > Cc: <amsat-bb@...>
> > Sent: Monday, January 17, 2011 2:47 PM
> > Subject: [amsat-bb] HO-68's transponder will be off all week.
> >
> >
> > >
> > > Group,
> > > HO-68's transponder won't be switched on this week.
> > >
> > > 73 John. <la2qaa@...>
> > >
> > > From: alankung@public3.bta.net.cn
> > > To: la2qaa@...
> > > Subject: Re: HO-68
> > > Date: Tue, 18 Jan 2011 01:47:23 +0800
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > Hi John,
> > >
> > > Thank you very much for your report!
> > >
> > > This week HO-68 transponder will not be turn on, we
> > > will see if beacon can work
> > > steadily. we are going to test transponder at this
> > > weekend.
> > >
> > > 73!
> > > Alan, BA1DU
> > >

> > > _____
> > > Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> > > Not an AMSAT-NA member? Join now to support the amateur satellite
> program!
> > > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >
>
> _____
> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
> Not an AMSAT-NA member? Join now to support the amateur satellite program!
> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
>

4153. HO-68 test.

Yahoo group: eu-amsat
Date: 2011-01-19 19:16:40 UTC
From: John Hackett
Topic: 4153 Message: 4153

Hello All,

HO-68 linear transponder(CW/SSB mode) will be turned on from 01:10 UTC to 03:00 UTC on 20th January.

If you hear any signal, whether beacon or downlink of the transponder, please let me know.

73!
Alan Kung, BA1DU

4154. HO-68 report

Yahoo group: eu-amsat
Date: 2011-01-20 09:15:41 UTC
From: John Hackett
Topic: 4154 Message: 4154

Hi All,

The transponder was not turn on correctly, there is only the beacon now, we will try again at 0255UTC, if OK, the transponder will keep operation for full circle from 0255UTC to 0500UTC.

73
Alan, BA1DU

4155. APRS

Yahoo group: eu-amsat
Date: 2011-01-25 21:51:13 UTC
From: Luciano Gasparini
Topic: 4155 Message: 4155

Hello guys!

I tried to get some information on how to work APRS satellites using a THD-72E
but strange enough no one replied to my message on Amsat-bb...lessons learned...

Anyway, is there anyone on this list that could help me?

73,

Luciano PT9KK

4156. Re: [eu-amsat] APRS

Yahoo group: eu-amsat
Date: 2011-01-26 00:13:01 UTC
From: Thomas Frey
Topic: 4155 Message: 4156

Luciano Gasparini schrieb:
>
>
> Hello guys!
> I tried to get some information on how to work APRS satellites using a
> THD-72E but strange enough no one replied to my message on
> Amsat-bb...lessons learned...
> Anyway, is there anyone on this list that could help me?
> 73,
> Luciano PT9KK
>

Would this sites help you ?

http://www.radioworld.co.uk/catalog/kenwood-thd72e-dual-band-handheld-transceiver-p-7307.html
http://images.kenwood.eu/files/prod/2048/5/TH-D72_Instruction_Manual_book_B62-2235-10.pdf
http://images.kenwood.eu/files/prod/2048/5/TH-D72_Instruction_Manual_CDROM_V1.pdf

>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4157. Re: [eu-amsat] APRS

Yahoo group: eu-amsat
Date: 2011-01-26 08:58:36 UTC
From: Luciano Gasparini
Topic: 4155 Message: 4157

Thomas,
thank you very much !!!
The third link has everything I need. The printed manual which comes inside the box is very limited and does not cover all radio features.

73,
Luciano PT9KK

From: Thomas Frey <th.frey@...>
To: eu-amsat@yahoogroups.com
Sent: Wed, January 26, 2011 1:13:01 AM
Subject: Re: [eu-amsat] APRS

Luciano Gasparini schrieb:
>
>
> Hello guys!
> I tried to get some information on how to work APRS satellites using a
> THD-72E but strange enough no one replied to my message on
> Amsat-bb...lessons learned...
> Anyway, is there anyone on this list that could help me?
> 73,
> Luciano PT9KK
>

Would this sites help you ?

http://www.radioworld.co.uk/catalog/kenwood-thd72e-dual-band-handheld-transceiver-p-7307.html

http://images.kenwood.eu/files/prod/2048/5/TH-D72_Instruction_Manual_book_B62-2235-10.pdf

http://images.kenwood.eu/files/prod/2048/5/TH-D72_Instruction_Manual_CDROM_V1.pdf

>

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4158. Antenna recommended for 1200 Operation

Yahoo group: eu-amsat
Date: 2011-01-29 20:00:06 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4158 Message: 4158

Hello,

I☐m thinking in buying a 1200 antenna and apart from the wimo store, I☐m not able to find any for my icom 910h. Can you advise me one based on your experiences with ao-51? Nowadays I have the smallest from wimo, the helix 23 and with it I have made voice qsos on AO-51, but I☐ve never reached the sat on 9600 packet or even I☐ve never been digipeated through CO-65, so any recommendation is welcome.

73 de EA1JM, Fran

4159. UK Space Agency Looking For A Radio Amateur

Yahoo group: eu-amsat
Date: 2011-01-30 11:09:41 UTC
From: m5aka
Topic: 4159 Message: 4159

The UK Space Agency are looking for a Radio Amateur to operate the Ground Segment of the Agency's first CubeSat mission UKube-1, see

http://www.southgatearc.org/news/january2011/space_agency_job.htm

73 Trevor M5AKA

4160. Re: [eu-amsat] Antenna recommended for 1200 Operation

Yahoo group: eu-amsat
Date: 2011-01-30 13:28:25 UTC
From: Thomas Frey
Topic: 4158 Message: 4160

Francisco Jim?nez-Mart?n S?nchez schrieb:
>
>
> Hello,
>
> I?m thinking in buying a 1200 antenna and apart from the wimo store,
> I?m not able to find any for my icom 910h. Can you advise me one based
> on your experiences with ao-51? Nowadays I have the smallest from
> wimo, the helix 23 and with it I have made voice qsos on AO-51, but
> I?ve never reached the sat on 9600 packet or even I?ve never been
> digipeated through CO-65, so any recommendation is welcome.
>
> 73 de EA1JM, Fran
>
> _._,___
Hello Francisco

The AO-51 digipeater has an opposite polarisation, LHCP. Try with
cross yagi's or loop yagi's or what else.

For CO-65 you need a GMSK modem. Mineo, JE9PEL, has built one. But I
think in Europe nobody is QRV via CO-65.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4161. Re: [amsat-bb] Photos of ARISSat-1 loaded into Progress

Yahoo group: eu-amsat
Date: 2011-02-02 01:50:18 UTC
From: Luc Leblanc
Topic: 4161 Message: 4161

On 1 Feb 2011 at 13:24, Daniel Schultz wrote:

Date sent: Tue, 01 Feb 2011 13:24:31 -0500
From: Daniel Schultz <n8fgv@...>
Subject: [amsat-bb] Photos of ARISSat-1 loaded into Progress
To: amsat-bb@...

> Photos of ARISSat-1 loaded into Progress vehicle:
>
> http://www.spaceref.com/news/viewsr.html?pid=35923
>
> Dan Schultz N8FGV
>
>
>

A bit confused here is it ARISSat-1 or Kedr?

"satellite Kedr was accommodated in the vehicle cargo compartment on January 18"

"Its name is accepted by call sign Kedr of the first cosmonaut of the Earth - our compatriot Yu.A. Gagarin. Yu.A. Gagarin had this call
sign when he performed his flight onboard manned spacecraft Vostok."

Thank's for any precision!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4162. Re: [eu-amsat] Re: [amsat-bb] Photos of ARISSat-1 loaded into Progress

Yahoo group: eu-amsat
Date: 2011-02-02 08:02:42 UTC
From: Marco IK1ODO -2
Topic: 4161 Message: 4162

KEDR is the Russian name of ARISsat-1 that is the new American name of Suitsat-2 that is the name of an old Orlan Russian spacesuit that is ... :-)

73 - Marco IK1ODO

4163. Re: [eu-amsat] Re: [amsat-bb] Photos of ARISSat-1 loaded into Progress

Yahoo group: eu-amsat
Date: 2011-02-02 13:05:13 UTC
From: Thomas Frey
Topic: 4161 Message: 4163

Marco IK1ODO -2 schrieb:
> KEDR is the Russian name of ARISsat-1 that is the new American name
> of Suitsat-2 that is the name of an old Orlan Russian spacesuit that
> is ... :-)
>
> 73 - Marco IK1ODO
>
>
Don't forget "RadioSkaf" :-)

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4164. Re: [eu-amsat] Re: [amsat-bb] Photos of ARISSat-1 loaded into Progress

Yahoo group: eu-amsat
Date: 2011-02-02 13:45:04 UTC
From: Marco IK1ODO -2
Topic: 4161 Message: 4164

At 14:05 02-02-11, you wrote:

>Don't forget "RadioSkaf" :-)

Ach... that was slipping over my keyboard :-D

Marco IK1ODO

4165. ""you may as well use Skype..."

Yahoo group: eu-amsat
Date: 2011-02-03 09:10:12 UTC
From: Luc Leblanc
Topic: 4165 Message: 4165

On 3 Feb 2011 at 7:53, Gordon JC Pearce wrote:

Date sent: Thu, 03 Feb 2011 07:53:56 +0000
From: Gordon JC Pearce <gordonjcp@...>
Subject: [amsat-bb] Re: TH-F6A tip request
To: amsat-bb@...

> I wonder if they're the
> same crowd that only ever use macros on PSK31 - "YOUR RST 599 599 HOW
> COPY? MNY THX FER QSO" - you may as well use Skype...
>
> Gordon MM0YEQ
>

"you may as well use Skype..."

You can add also MSN chat, Twitter, Face Book all are related to the internet and many Hams leave amateur radio and they are now on the
internet.

On a LEO sat with a 10 minute window you are normally restrain to this kind of exchange and also here you can add "MY GRID IS XX##ZZ PLEASE
GIVE ME YOUR GRID" On some occasion you can have a less crowded pass usually the very early one 0300 to 0600 am but there is a catch 22
here you are often alone on the birds with the exception of those who are living on the north eastern coast of North America who can reach
europe or those who can use AO-7

There is here a GRID frenzy with not some DXpedition but Girdexpedition. A new trend who was not there in the AO-40 era as the demand was
not there at that time.

The focus put on KISS station in a way to recruit new satellite operator is not bad if this new operator goes beyond his KISS station IMHO.

What is the motivation for some to operate on LEO satellite? The "exotic" mode and bands? The pleasure to achieve an OSCAR class station?

There is one thing the internet cannot provided "exoticism" be able to feel something and being able to have a direct relation with
something we build and something we can directly use and watch performing at the same time.

There is new modes actually growing DSTAR, DRM, DIGITAL VOICE (FDMDV) is this can be an alternative to those who wants something else? or
will we be facing with this alternative, overcrowded single channel satellite pass? Where is the place for experimenting on the actual LEO
fleet? Our licence was not created for "experimenting"?

Gordon your "you may as well use Skype..." take now a new sense not a non sense!

P.S. i'm on skype and DSATR on VE2FCT repeater and on reflector REF016 B when the repeater is "busy" i just make a mobile QSO last Sunday
with Gerard PA1AT with a 599 Q5 signal on DSTAR If communicating is the goal there is a way to mixed internet with the radio Is this is
possible on the satellite YES on AO-27 and possibly on some other sat commanding team wise...
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4166. My 3p worth.

Yahoo group: eu-amsat
Date: 2011-02-03 09:25:00 UTC
From: John Hackett
Topic: 4165 Message: 4166

On AO-10, AO-13, AO-40 and AO-7 - (up until 'FM' style operating took over) - we actually conversed !!!!
on the satellite.

Imagine that !!! ... actually *COMMUNICATING* with somebody ... but alas, these days are over and the
new generation can 'progress' with their ... "599 OM but your signal is very weak".

I hope the planned OUFTI-1 dedicated D-Star satellite will get us back to innovation - as opposed to a
bunch of sheep emulating operating on a terrestial repeater.

Full duplex? ... what the eff is that ??.

73 John. <la2qaa@...>

4167. Paradox.

Yahoo group: eu-amsat
Date: 2011-02-03 09:56:13 UTC
From: John Hackett
Topic: 4167 Message: 4167

I wonder if anyone else noticed the paradox on the amsat-bb this morning.

Among several mails illustrating the atrocious behaviour and operating on AO-51 was a mail re: the
Arissat ... (and I quote) ... "a pity that this is a SSB satellite" ...

Think! about it.

Of course, the criticism of the FM satellites was immediately quashed by a prominent member of the b.o.d. whom also ridiculed the comment of the gentleman who mentioned he'd like a 2m up 10m down satellite.

Looks like an *OPINION* is now taboo on the Amsat-bb ... at least one that disagrees with the official party line.

73 John. <la2qaa2amsat.org>

4168. Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-03 13:52:57 UTC
From: Al
Topic: 4167 Message: 4168

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
>
>
>
> Of course, the criticism of the FM satellites was immediately quashed by a prominent member of the b.o.d. whom also ridiculed the comment of the gentleman who mentioned he'd like a 2m up 10m down satellite.
>

I always thought the 2up / 10 down birds were the most fun of all. What a pity we don't have any now. They could be worked with very modest equipment. They must have helped sell a good few FT-290 Mark1's, while nearly everyone had a radio that covered the 10 downlink. What could be possibly be ridiculous about birds that provided so much fun for multiple users on CW/SSB? There's nothing watsoever ridiculous about that IMO.

And yes, I do understand some of the technical arguments against using 2-10M but those arguments didn't detract the excellent fun element of these birds.

73 Al.
GM1SXX

4169. Re: [eu-amsat] Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-03 17:31:39 UTC
From: Thomas Frey
Topic: 4167 Message: 4169

Al schrieb:
>
> I always thought the 2up / 10 down birds were the most fun of all. What a pity we don't have any now.

Al, we have AO-7. Its 2m/10m transponder is on every 2nd day.
I think you are aware of it.

> They could be worked with very modest equipment. They must have helped sell a good few FT-290 Mark1's, while nearly everyone had a radio that covered the 10 downlink.

My Rig is a Ranger RCI-2950DX with a Lambda 1/2 inverted V dipole.
If the 10m band is open via Es I can also work nearly whole Europe.
On this way I met many OM who is also QRV via satellites.

>
> What could be possibly be ridiculous about birds that provided so much fun for multiple users on CW/SSB? There's nothing watsoever ridiculous about that IMO.
>

I'm QRV on both, FM and SSB sat's (not birds, I'm not a ornithologist).
The chaos on AO-51 has increased massive so I have no chance to operate
it any more. My last QSO was at 19 December. The LEO SSB sat's are more
difficult to work because of the rapid Doppler shift. But yes, its more
fun than to chat via FM.

HEY!! We HAMs are experimenters and not CBers! When I read the "-BB"
often I think the opposite.

> And yes, I do understand some of the technical arguments against using 2-10M but those arguments didn't detract the excellent fun element of these birds.
>

The 10m experiment on P3E was cancelled because of problems with the
length of the antenna.

> 73 Al.
> GM1SXX
>
>
Apropos P3E: There are no news yet :-(

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4170. Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-04 09:00:26 UTC
From: Al
Topic: 4167 Message: 4170

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Al schrieb:
> >
> > I always thought the 2up / 10 down birds were the most fun of all. What a pity we don't have any now.
>
> Al, we have AO-7. Its 2m/10m transponder is on every 2nd day.
> I think you are aware of it.
>

Hi Thomas and group. I certainly am aware of it, having spent quite a long time copying data from it, after it came back from the dead, in addition writing software to decode and analyse that data. LA2QAA and myself discovered quite a bit about AO7 that wasn't in the documentation, by analysing that data.

So no Thomas, I hadn't forgotten about the ailing AO7 which only provides limited QRP type working with decent aerial systems. I agree that this was totally my fault completely for for not explicitly mentioning that I was intending good 'fully-functioning birds', and not single a badly ailing one.

It's one thing to work AO7 with appropriate equipment and power levels but quite another to work a bird (or several birds) with superbly sensitive receivers and strong downlinks that could be copied using nothing more than a simple wire aerials fashioned from scrap wire.

Agreed A07 is still *partially* functional and can be fun, not to mention extremely educational, but I had really intended 'genuine Mode-A easysat communication for multiple users' on the same bird using commonly available low cost ground equipment. We had that once, and it was a load of fun, but it's been forgotten in favour of other things.

And yes, I do understand the technical arguments against using Mode A, but lets not lose sight of the fact that-

1)despite the technical case against it, it works.
and
2)Mode-A did allow very easy communication for multiple users with commonly available radio amateur equipment and very basic radio aerials.

If anyone thinks that's somehow ridiculous, I suggest they read some history or talk to people who used these Mode A birds. You may just come away with a different view.

"Communication". By communication I mean a proper and relaxed QSO rather than just a quick exchange of callsigns. YMMV.

This can't be done on AO7 with basic equipment and small antenna systems. The bird is way too far degraded. I meant properly functioning MODE-A birds.

Have a good day.

AL
GM1SXX

4171. Re: [eu-amsat] Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-04 12:56:46 UTC
From: Thomas Frey
Topic: 4167 Message: 4171

Al schrieb:
>
> "Communication". By communication I mean a proper and relaxed QSO rather than just a quick exchange of callsigns. YMMV.
>
> This can't be done on AO7 with basic equipment and small antenna systems. The bird is way too far degraded. I meant properly functioning MODE-A birds.
>
> Have a good day.
>
> AL
> GM1SXX
>
>

Hello Al

We have the same meaning. But for such nice QSO's eg. with Hawaii or Japan we have to wait for P3E. I have no experience with other Mode-A sat's, AO-7 is my first one. On the ISS it's theoretically possible to work in Mode-A with their Kenwood TRX. But the ISS is not a satellite.

Have also a good day.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4172. RE: [eu-amsat] Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-04 14:50:42 UTC
From: Al copland
Topic: 4167 Message: 4172

>
> We have the same meaning. But for such nice QSO's eg. with Hawaii or
> Japan we have to wait for P3E. I have no experience with other Mode-A
> sat's, AO-7 is my first one. On the ISS it's theoretically possible
> to work in Mode-A with their Kenwood TRX. But the ISS is not a
> satellite.
>
Hi Thomas and Group

I have a completely different take on things. Life is too short to wait. We are alll getting older, and at a worrying rate :-) When I joined AMSAT, I had teeth and waist-length hair and very little money. These days, I still have (some) teeth, and little money, but virtually no hair. What small amount of hair I do have left is a pleasant enough shade of grey, so that's a positive thing. In all of that time, over half of my life to date, there have only been a few Molniyas, with a somewhat mixed track record. They never interested me much. Yes, you can surely work DX on them, but from an operating point of view, they are pretty boring. I much prefer the action needed to chase a fast moving LEO, by hand, *without* all the modern frills such as computers and Doppler/correction and aerial pointing that detract from the fun element of needing several extra hands.

While launch costs continue to escalate. Molniya's are no longer financially viable (Unless someone generous donates a very large lottery win, of course) and so I for one would rather see simple useful low-tech (relatively) birds in LEO (800-1000KMS) with *linear* transponders for fun, while using HF radio for DX. At home I continue to make many HF PSK & SSB contacts using a ancient hybrid (transistor/valve) radio made in the 1980's and partnered with a plastic fishing-rod antenna in my miniscule garden. I spend hours every day, morning and night on the air. It's a whole load of fun, operating from what most people would consider to be a totally useless location. I've worked over 6000 miles running 40W or less (usually less, and often much less) power with this very simple, cheap, and restricted, radio system. I already have DX, via the ionosphere. When I replace the fishing-pole with something a little bit better, I should get out further. Not having a Molniya in orbit is absolutely not a an issue for me, although of course, it probably is for others.

I keep reading that we all *need* another Molniya. Wrong! I don't, and I suspect many others also don't. There should be something for everyone in our amateur radio hobby and compromise is inevitable. We all need to stop beating ourselves up over launch costs and adapt to change, or fall by the wayside. We cannot change the financial reality. The sooner we accept this, the less painful the transition will be.

As for the ISS, technically it is indeed a satellite, the largest artificial satellite of planet Earth, and I believe it even carries radios, but I do take your point. Not very exciting and in a poor orbital inclination and poor orbital altitude for many people.

73 AL.
GM1SXX

4173. My chirp on the subject.

Yahoo group: eu-amsat
Date: 2011-02-04 17:08:17 UTC
From: John Hackett
Topic: 4167 Message: 4173

My views on the satellite scene - particularly, the standard of operating - are fairly well known.

I agree with GM1SXX on most points re: HEO v LEO . I've operated a fully automated station on several of the previous HEO satellites. I found them quite *BORING* after a couple of same old, same old qso's.

For me, too predictable = *BORING*.

Quite a few of today's operators have never used an HEO.

The most fun I'ver had on satellites was on RS-10. (LEO).

The most 'interesting' was also on RS-10 ... using the ROBOT for propagation studies.

My favourite 'chat' satellite was FO-20 (SSB) ... which also provided the distance record for an LEO ...
Norway to Japan - 1 degree elevation at both ends of the link.

I also had daily skeds with Eagle River, Alaska - (QSL's on OBSERVATIONS) - on FO-20 using just
25w EIRP.

HF.

I've worked well over 300 - (coumntries, not stations) - including the elusive Christmas Island and most countries on the African continent - thanks to some Japanese DX'er - so I have enough 'wallpaper' to re-wallpaper the Mocba Metro ... though of course, I wouldn't cover up that beautiful mosaic ... now
that's !!!! art, folks.

OK !!! ... IOTA 36 *DID* help. Until I taught a couple of NOGS I was the only amateur on the island.

I currently live on IOTA 56 - which is crawling !!! with radio amateurs ... (3).

The ISS.

Unworkable from my QTH - I'm too far north. Ditto AO-27 otherwise I'd be using D-Star.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: allan_gm1sxx@...
Date: Fri, 4 Feb 2011 14:50:42 +0000
Subject: RE: [eu-amsat] Re: Paradox.

>
> We have the same meaning. But for such nice QSO's eg. with Hawaii or

> Japan we have to wait for P3E. I have no experience with other Mode-A
> sat's, AO-7 is my first one. On the ISS it's theoretically possible
> to work in Mode-A with their Kenwood TRX. But the ISS is not a
> satellite.
>

Hi Thomas and Group

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While launch costs continue to escalate. Molniya's are no longer financially viable (Unless someone generous donates a very large lottery win, of course) and so I for one would rather see simple useful low-tech (relatively) birds in LEO (800-1000KMS) with *linear* transponders for fun, while using HF radio for DX. At home I continue to make many HF PSK & SSB contacts using a ancient hybrid (transistor/valve) radio made in the 1980's and partnered with a plastic fishing-rod antenna in my miniscule garden. I spend hours every day, morning and night on the air. It's a whole load of fun, operating from what most people would consider to be a totally useless location. I've worked over 6000 miles running 40W or less (usually less, and often much less) power with this very simple, cheap, and restricted, radio system. I already have DX, via the ionosphere. When I replace the fishing-pole with something a little bit better, I should get out further. Not having a Molniya in orbit is absolutely not a an issue for me, although of course, it probably is for others.

I keep reading that we all *need* another Molniya. Wrong! I don't, and I suspect many others also don't. There should be something for everyone in our amateur radio hobby and compromise is inevitable. We all need to stop beating ourselves up over launch costs and adapt to change, or fall by the wayside. We cannot change the financial reality. The sooner we accept this, the less painful the transition will be.

As for the ISS, technically it is indeed a satellite, the largest artificial satellite of planet Earth, and I believe it even carries radios, but I do take your point. Not very exciting and in a poor orbital inclination and poor orbital altitude for many people.

73 AL.

GM1SXX

4174. Re: [eu-amsat] Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-04 21:55:35 UTC
From: Thomas Frey
Topic: 4167 Message: 4174

Al copland schrieb:
>
>
> >
> > We have the same meaning. But for such nice QSO's eg. with Hawaii or
> > Japan we have to wait for P3E. I have no experience with other Mode-A
> > sat's, AO-7 is my first one. On the ISS it's theoretically possible
> > to work in Mode-A with their Kenwood TRX. But the ISS is not a
> > satellite.
> >
> Hi Thomas and Group
>
> I have a completely different take on things. Life is too short to
> wait. We are alll getting older, and at a worrying rate :-) When I
> joined AMSAT, I had teeth and waist-length hair and very little
> money. These days, I still have (some) teeth, and little money,
> but virtually no hair. What small amount of hair I do have left is a
> pleasant enough shade of grey, so that's a positive thing. In all of
> that time, over half of my life to date, there have only been a few
> Molniyas, with a somewhat mixed track record. They never interested
> me much. Yes, you can surely work DX on them, but from an operating
> point of view, they are pretty boring. I much prefer the action needed
> to chase a fast moving LEO, by hand, *without* all the modern frills
> such as computers and Doppler/correction and aerial pointing that
> detract from the fun element of needing several extra hands.

OK Al, then we have not the same meaning :-) If you want action and a nice QSO you can do it, when AO-51's second (QRP) repeater is switched on and all other OM's are on the main repeater. Or Mode L/US is switched on. AO-51 is no bad satellite if all repeaters works well. But now it is in eclipses and its batteries are old.

A satellite with a mode-A transponder may be a solution. But the time of the Russian Radio Sputniks is definitively over.

Yes, the waiting for P3E is a problem. Many OM's have sold their P3 rig and antennas. P3E should be in orbit and active. But nobody have foreseen the financial problems which had arisen.

>
> While launch costs continue to escalate. Molniya's are no
> longer financially viable (Unless someone generous donates a very
> large lottery win, of course) and so I for one would rather see simple
> useful low-tech (relatively) birds in LEO (800-1000KMS) with *linear*
> transponders for fun, while using HF radio for DX.

Yes, I think we AMSAT-DL members have to thinking over "what comes after P3E ?"
I prefer fun DX like in the AO-10/13 days.

> At home I continue to make many HF PSK & SSB contacts using
> a ancient hybrid (transistor/valve) radio made in the 1980's and
> partnered with a plastic fishing-rod antenna in my miniscule garden. I
> spend hours every day, morning and night on the air. It's a whole
> load of fun, operating from what most people would consider to be a
> totally useless location. I've worked over 6000 miles running 40W or
> less (usually less, and often much less) power with this very simple,
> cheap, and restricted, radio system. I already have DX, via the
> ionosphere. When I replace the fishing-po le with something a little
> bit better, I should get out further. Not having a Molniya in orbit
> is absolutely not a an issue for me, although of course, it probably
> is for others.
>

OK, I operate also on 10m and 12m, if the band is open.

> I keep reading that we all *need* another Molniya. Wrong! I don't,
> and I suspect many others also don't. There should be something for
> everyone in our amateur radio hobby and compromise is inevitable. We
> all need to stop beating ourselves up over launch costs and adapt to
> change, or fall by the wayside. We cannot change the financial
> reality. The sooner we accept this, the less painful the transition
> will be.

The financial reality is accepted. I think, P3E will be the last P3-satellite
which will go into a HEO (hopefully). Or we find a generous billionaire. :-)

>
> As for the ISS, technically it is indeed a satellite, the
> largest artificial satellite of planet Earth, and I believe it even
> carries radios, but I do take your point. Not very exciting and in a
> poor orbital inclination and poor orbital altitude for many people.
>

ISS is a manned space station with a extra terrestrial HAM radio station.

> 73 AL.
> GM1SXX

--

Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4176. FW: No subject

Yahoo group: eu-amsat
Date: 2011-02-05 18:19:22 UTC
From: John Hackett
Topic: 4176 Message: 4176

Group,

From: archie.hackett@...
To: rw3xl@...
Subject: RE: No subject
Date: Sat, 5 Feb 2011 19:17:00 +0100

My sincere apologies Igor,
I have no idea where this virus came from.

I have both AVIRA antivirus and SPYBOT SEARCH & DESTROY running on my pc.

I have now done a complete scan and clean.

thanks for the feedback.

73 John.

From: RW3XL@yandex.ru
To: la2qaa@...
Subject: Re: No subject
Date: Sat, 5 Feb 2011 13:11:24 +0300

Hello, John!I received 3 (three) your letters. They have only one link, no other words or pictures. This link point to a page with "Get viagra" and something like that...Do you update your antivirus base? Can I help you with you PC?---73! Igor, RW3XL. 05.02.2011, 12:15, "John Hackett" <archie.hackett@...>:http://spasecrets.ca/mywork.html

4180. Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-06 23:07:24 UTC
From: m5aka
Topic: 4167 Message: 4180

--- In eu-amsat@yahoogroups.com, Al copland <allan_gm1sxx@...> wrote:
> I keep reading that we all *need* another Molniya. Wrong!
> I don't, and I suspect many others also don't.

Hi Al,

I believe more Amateur HEO's will acheivable in the future, but not only HEO's also LEO's with an apogee of 800-1500km.

Different AMSAT groups around the world are working on projects that ensure we will have both in the future so there Will be something for everyone.

I like many others still long for a new 145/29MHz sat but maybe even better would be a 50/29MHz sat? Lower path loss on 50MHz.

The ARISSat-1 satellite, due for deployment Feb 16, should be very good for low power SSB / CW working, granted it probably won't be usable above about 60 degrees latitude North or South but for 99% of the Amateur world it should be a very useful QRP comunications satellite.

73 Trevor M5AKA

4181. Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-07 09:06:58 UTC
From: Al
Topic: 4167 Message: 4181

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> I like many others still long for a new 145/29MHz sat but maybe even better would be a 50/29MHz sat? Lower path loss on 50MHz.
>

I believe this band pairing has been brought up before. A very interesting idea Trevor, but with two possible flies in the ointment.

On 50Mhz it would probably end up as another FM bird, to suit the commonly available radios, rather than the practical aspects of communication.
and
I don't think 50Mhz has a space segment allocated.

Nice idea though. As for more Molniya launches, I think time will tell.

73 Al.
GM1SXX

4182. Re: Paradox.

Yahoo group: eu-amsat
Date: 2011-02-07 17:51:04 UTC
From: m5aka
Topic: 4167 Message: 4182

--- In eu-amsat@yahoogroups.com, "Al" <allan_gm1sxx@...> wrote:
> On 50Mhz it would probably end up as another FM bird, to suit
> the commonly available radios,

But almost every HF rig has 50MHz in it these days so there's plenty of SSB/CW equipment. In fact I'm hard pushed to think of more than two 50MHz rigs that are FM only.

> I don't think 50Mhz has a space segment allocated.

Currently it doesn't but IARU are pressing for it, see page 26 of http://www.iaru.org/ac-09spec.pdf

Arguably an Uplink could be acheived now but it would be down to local agreements with national regulators rather than being generally available. In much the same way that individual national regulators permit the use of the 432MHz uplink for Oscar-7 despite it not being an Amateur Satellite allocation.

I think 50MHz with it's lower path loss will prove to be very good band for low power CW / SSB satellite contacts.

4183. Sat PC32 and Supercontrol

Yahoo group: eu-amsat
Date: 2011-02-08 17:05:37 UTC
From: ei4htm0giw
Topic: 4183 Message: 4183

Hi All

As it my first post to the Group, Hello !

Just wondering if anyone has had any success using Satpc32 with Supercontrol for the FT-847

I remotely operate my FT-847 and use Satpc 32 for doppler with EA4TX for Antennas, and audio via Skype or IP sound.

Id like to have more control of the FT847 using Supercontrol but would still like to use The Satpc32 and EA4TX for doppler and antennas.

Anyone out there doing this ?

Regards

Dave

EI4HT / M0GIW

4184. SSETI-ESEO project cancelled?

Yahoo group: eu-amsat
Date: 2011-02-08 21:35:29 UTC
From: Thomas Frey
Topic: 4184 Message: 4184

Greetings

Since about a month the URL www.sseti.net doesn't exist anymore. Is the SSETI-ESEO project with participation of AMSAT-UK cancelled ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4185. HO-68 news.

Yahoo group: eu-amsat
Date: 2011-02-09 15:30:45 UTC
From: John Hackett
Topic: 4185 Message: 4185

Re: HO-68.

Chinese New Year for the past week, nobody is working on the bird, and
Alan is now enjoying his vacation in FO/Frech Polynesia. :)

So....give him some time. He deserves it.

Michael Chen, BD5RV/4
AMSAT-China: http://www.camsat.cn
.....

73 John. <la2qaa@...>

4186. Re: [amsat-bb] Decoding Software for ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-10 10:40:27 UTC
From: Luc Leblanc
Topic: 4186 Message: 4186

On 9 Feb 2011 at 11:05, Carlos Paoli wrote:

Date sent: Wed, 09 Feb 2011 11:05:41 -0800 (PST)
From: Carlos Paoli <crpaoli@...>
Subject: [amsat-bb] Res: Decoding Software for ARISSat-1
To: Clint Bradford <clintbradford@...>, AMSAT BB <amsat-bb@...>
Copies to: K1STO White Rosalie <k1sto@...>, ARISS-ops OPS <ariss-ops@...>

> Hi Clint,
>
> Not my site, I just pointed out where to download the ARISSatTLM
> beta version.
>
> I could put this software on my site without problems, but
> Douglas KA2UPW/5 say:
> PLEASE DO NOT DISTRIBUTE THIS VERSION AT THIS TIME.
>
> When final version is available to the public and released for
> redistribution, I willhappy to stay in one of my sites.
>
> VY 73 de Carlos Paoli - PY2FFZ
>

I downloaded the program just ignore the safety warning certificate from Firefox and you will be able to reach the download page.

You can look at a screen dump pictures of ARISSat-1 BPSK1000 software and links to download the program on JE9PEL Mineo Wakita web site

http://www.ne.jp/asahi/hamradio/je9pel/arissat2.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4187. P3E launch funding source found!!!

Yahoo group: eu-amsat
Date: 2011-02-11 04:07:16 UTC
From: Luc Leblanc
Topic: 4187 Message: 4187

Hello all AMSATTERS i just received an e-mail that will solved the next P3E and numerous future sat launch. I copy you below this e-mail

>Late Mr. Christopher Friedrich bequeathed US$20, 500,000.00 USD, to you
>in his will. More info,contact your attorney(Browne Jacobson Esq.) via...

>I kept the attorney e-mail address confidential

>What a good news in this trouble period.

>I cannot exactly recollect Mr Christopher Friedrich but my numerous post on AMSAT-BB probably inspired him enough up to a point to be laid
>on his will.

>No more funding issues what a happy news.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4188. RE: [eu-amsat] P3E launch funding source found!!!

Yahoo group: eu-amsat
Date: 2011-02-11 11:02:02 UTC
From: John Hackett
Topic: 4187 Message: 4188

Hi Luc!,
now why didn't *I* think of that ... over the years, I've been offered milions and millions and millions !!! of $ and death bequeaths ... ans the *ONLY* thing they wanted in return were my email
(to sell onto advertisers9 and bank account details (to help me to empty my account quicker) ... really nice people ... I didn't think !!! to ask them to donate a P3D launch ... (peanuts! to such kind and benevolend people).

good !!! one! Luc.

Have a good weekend.

73 John. <la2qaa@...<

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Thu, 10 Feb 2011 23:07:16 -0500
Subject: [eu-amsat] P3E launch funding source found!!!

Hello all AMSATTERS i just received an e-mail that will solved the next P3E and numerous future sat launch. I copy you below this e-mail

>Late Mr. Christopher Friedrich bequeathed US$20, 500,000.00 USD, to you

>in his will. More info,contact your attorney(Browne Jacobson Esq.) via...

>I kept the attorney e-mail address confidential

>What a good news in this trouble period.

>I cannot exactly recollect Mr Christopher Friedrich but my numerous post on AMSAT-BB probably inspired him enough up to a point to be laid

>on his will.

>No more funding issues what a happy news.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4189. ARISSat-1 Reception Challenge

Yahoo group: eu-amsat
Date: 2011-02-11 13:30:16 UTC
From: Trevor .
Topic: 4189 Message: 4189

AMSAT-UK has announced a ARISSat-1 reception challenge with a FUN reward. The different categories cover those with or without a FUNcube SDR dongle.

ARISSat-1 is scheduled for deployment from the ISS next Wednesday, 16 February. The expected signal levels from ARISSat-1 should be similar to those expected from the AMSAT-UK FUNcube and the team are keen to discover what will be the minimum and best type of antennas for schools to use.

Full details at
http://www.uk.amsat.org/content/view/735/68/

Live NASA TV Coverage of ARISSat-1 Deployment
http://www.southgatearc.org/news/february2011/arissat_deployment.htm

ARISSat-1
http://www.ARISSat1.org/

73 Trevor M5AKA

4190. ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-11 13:47:19 UTC
From: John Hackett
Topic: 4189 Message: 4190

ARISSat will always be below my horizon so it's a non-starter for me.

If the world were flat, I would see an occasional 2 degrees elevation - but it's not - so I wont.

Mountain peaks in Norway (depending how near you are to the base) can be 18 degrees elevation.

Ask Pythagorus ... 540 BC.

The square on the hypotenuse is equal to the square of the sum of the other two sides.

NB.

Why the ISS isn't 'crawling' with Norwegians.

It has more do do with geography and orbits rather than idle LA stations.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Fri, 11 Feb 2011 13:30:16 +0000
Subject: [eu-amsat] ARISSat-1 Reception Challenge

AMSAT-UK has announced a ARISSat-1 reception challenge with a FUN reward. The different categories cover those with or without a FUNcube SDR dongle.

ARISSat-1 is scheduled for deployment from the ISS next Wednesday, 16 February. The expected signal levels from ARISSat-1 should be similar to those expected from the AMSAT-UK FUNcube and the team are keen to discover what will be the minimum and best type of antennas for schools to use.

Full details at

http://www.uk.amsat.org/content/view/735/68/

Live NASA TV Coverage of ARISSat-1 Deployment

http://www.southgatearc.org/news/february2011/arissat_deployment.htm

ARISSat-1

http://www.ARISSat1.org/

73 Trevor M5AKA

4191. Re: [eu-amsat] P3E launch funding source found!!!

Yahoo group: eu-amsat
Date: 2011-02-11 14:20:38 UTC
From: Thomas Frey
Topic: 4187 Message: 4191

Luc Leblanc schrieb:
> Hello all AMSATTERS i just received an e-mail that will solved the next P3E and numerous future sat launch. I copy you below this e-mail
>
>
>> Late Mr. Christopher Friedrich bequeathed US$20, 500,000.00 USD, to you
>> in his will. More info,contact your attorney(Browne Jacobson Esq.) via...
>>
>
>> I kept the attorney e-mail address confidential
>>
>
>> What a good news in this trouble period.
>>
>
>> I cannot exactly recollect Mr Christopher Friedrich but my numerous post on AMSAT-BB probably inspired him enough up to a point to be laid
>> on his will.
>>
>
>> No more funding issues what a happy news.
>>
>
Luc, be careful about such emails. It remembers me about the African
spam mails. If anybody has an inheritable sum of 20 million USD his
attorney will contact the lucky organisation direct.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4192. Re: [eu-amsat] ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-11 14:32:08 UTC
From: Luc Leblanc
Topic: 4189 Message: 4192

On 11 Feb 2011 at 14:47, John Hackett wrote:

Date sent: Fri, 11 Feb 2011 14:47:19 +0100
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] ARISSat-1
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> ARISSat will always be below my horizon so it's a non-starter for me.
>
> If the world were flat, I would see an occasional 2 degrees elevation - but it's not - so I wont.
>
> Mountain peaks in Norway (depending how near you are to the base) can be 18 degrees elevation.
>
> Ask Pythagorus ... 540 BC.
>
> The square on the hypotenuse is equal to the square of the sum of the other two sides.
>
> NB.
>
> Why the ISS isn't 'crawling' with Norwegians.
>
> It has more do do with geography and orbits rather than idle LA stations.
>
> 73 John. <la2qaa@...>

Hi John

As always i have a solution for you.

http://www.youtube.com/watch?v=pX2r0ddUqsw

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4193. Re: ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-11 16:05:37 UTC
From: m5aka
Topic: 4189 Message: 4193

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> ARISSat will always be below my horizon so it's a non-starter for me.

Satellites are certainly challenging when you get that far North. I'm just grateful that NASA didn't put the Space Station into the 29 degree orbit that they were originally thinking of doing in the 1990's. That would have put most of Europe out of range.

The 56 degrees comes from the Russian influence - MIR.

I suspect somebody will make available a Web tuneable SDR covering 145.9-145.996MHz.

73 Trevor M5AKA

4194. RE: [eu-amsat] ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-11 20:08:22 UTC
From: Dimitrios Pallis
Topic: 4189 Message: 4194

hello all from greece

this is a video with Vo52 reception using G59 SDR and a Tentec 1210 2m -10m Transverter

http://www.youtube.com/watch?v=MAIh2bOs34I

73 de SW1JGW

Dimitrios Jimmy Pallis

http://sw1jgw.50webs.com/

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Fri, 11 Feb 2011 09:32:08 -0500
Subject: Re: [eu-amsat] ARISSat-1

On 11 Feb 2011 at 14:47, John Hackett wrote:

Date sent: Fri, 11 Feb 2011 14:47:19 +0100
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] ARISSat-1
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> ARISSat will always be below my horizon so it's a non-starter for me.
>
> If the world were flat, I would see an occasional 2 degrees elevation - but it's not - so I wont.
>
> Mountain peaks in Norway (depending how near you are to the base) can be 18 degrees elevation.
>
> Ask Pythagorus ... 540 BC.
>
> The square on the hypotenuse is equal to the square of the sum of the other two sides.
>
> NB.
>
> Why the ISS isn't 'crawling' with Norwegians.
>
> It has more do do with geography and orbits rather than idle LA stations.
>
> 73 John. <la2qaa@...>

Hi John

As always i have a solution for you.

http://www.youtube.com/watch?v=pX2r0ddUqsw

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4195. RE: [eu-amsat] ARISSat-1

Yahoo group: eu-amsat
Date: 2011-02-11 21:12:54 UTC
From: John Hackett
Topic: 4189 Message: 4195

Again! an excellent one from VE ...

Hi Luc,
Unfortunately, after 4 x heart attacks, a duff lung and a gammy foot - there's no way! this 'old goat' could manage to climb 6000 meters of solid ice ... so ARISSat is still !!! a non-starter for me.

Anybody got a spare Sea king ??.

73 John. <la2qaa@...>

4196. Still !!! not flat.

Yahoo group: eu-amsat
Date: 2011-02-11 21:31:26 UTC
From: John Hackett
Topic: 4189 Message: 4196

RGR Trevor,
I'm pretty sure me' old mucker Mike (DK3WN) will do it.

The last time I mentioned the ISS was unworkable from my QTH I was flamed by a prominent member from Stateside ... he'd checked my locator and could 'see' that I could work the ISS at 2 degrees
elevation ...

I didn't have the heart to explain to him that unlike some US states, Norway is *NOT* flat.

(To be truthful, I was just too idle!).

73 john <la2qaa@...<
.....
.....

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Fri, 11 Feb 2011 16:05:37 +0000
Subject: [eu-amsat] Re: ARISSat-1

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:

> ARISSat will always be below my horizon so it's a non-starter for me.

Satellites are certainly challenging when you get that far North. I'm just grateful that NASA didn't put the Space Station into the 29 degree orbit that they were originally thinking of doing in the 1990's. That would have put most of Europe out of range.

The 56 degrees comes from the Russian influence - MIR.

I suspect somebody will make available a Web tuneable SDR covering 145.9-145.996MHz.

73 Trevor M5AKA

4197. AW: [eu-amsat] Still !!! not flat.

Yahoo group: eu-amsat
Date: 2011-02-11 21:56:56 UTC
From: Mike Rupprecht
Topic: 4189 Message: 4197
Attachments: 2 described; binary payloads are missing from this source WARC

Hi John,

on that you can be sure. I (and my friends) will come up with an idea.

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Freitag, 11. Februar 2011 22:31
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] Still !!! not flat.

RGR Trevor,
I'm pretty sure me' old mucker Mike (DK3WN) will do it.

The last time I mentioned the ISS was unworkable from my QTH I was flamed by a prominent member from Stateside ... he'd checked my locator and could 'see' that I could work the ISS at 2 degrees
elevation ...

I didn't have the heart to explain to him that unlike some US states, Norway is *NOT* flat.

(To be truthful, I was just too idle!).

73 john <la2qaa@...<
.....
.....

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Fri, 11 Feb 2011 16:05:37 +0000
Subject: [eu-amsat] Re: ARISSat-1

--- In eu-amsat@yahoogroups.com, John Hackett <archie.hackett@...> wrote:
> ARISSat will always be below my horizon so it's a non-starter for me.

Satellites are certainly challenging when you get that far North. I'm just grateful that NASA didn't put the Space Station into the 29 degree orbit that they were originally thinking of doing in the 1990's. That would have put most of Europe out of range.

The 56 degrees comes from the Russian influence - MIR.

I suspect somebody will make available a Web tuneable SDR covering 145.9-145.996MHz.

73 Trevor M5AKA

4198. Re: [amsat-bb] ARISSat 1 Postponed ?

Yahoo group: eu-amsat
Date: 2011-02-12 07:12:02 UTC
From: Luc Leblanc
Topic: 4198 Message: 4198

On 11 Feb 2011 at 20:49, Keith N4ZQ wrote:

Date sent: Fri, 11 Feb 2011 20:49:01 +0000 (GMT)
From: Keith N4ZQ <n4zq@...>
Subject: [amsat-bb] ARISSat 1 Postponed ?
To: amsat-bb@...

> During today's Friday 16:00z ISS Mission Coverage on NASA TV, they announced that the launch of the Nanosat with space greeting
> celebrating the 50 years since Yuri Gagarin flight has been postponed from Wednesday space walk. . I ASSUME they are talking about
ARISSat 1. No explanation was given as to why it has been delayed... Anyone have any other information ?
>
> Keith N4ZQ
>
>
>
Just hope it will not be any QRM issue on their numerous radio system inside ISS as there is a strong possibility that some QRM issues
appears during the ARISSat 1 testing due to the close proximity between the radio systems aboard and ARISSat 1.

Someone could be suggested to investigate more before realeasing the cube sat?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4199. Re: [amsat-bb] ARISSat 1 Postponed ?

Yahoo group: eu-amsat
Date: 2011-02-12 09:28:58 UTC
From: m5aka
Topic: 4198 Message: 4199

The Russian Federal Space website is quoting April 12 -

"In addition, the cosmonauts switched on small satellite Kedr to be activated on April 12, so RF-amateur station all over the world could hear the signals from space. "

http://www.federalspace.ru/main.php?id=2&nid=11353

73 Trevor M5AKA

--- On Sat, 12/2/11, Trevor . <m5aka@...> wrote:

> From: Trevor . <m5aka@...>
> Subject: Re: [amsat-bb] ARISSat 1 Postponed ?
> To: amsat-bb@..., "Keith N4ZQ" <n4zq@...>
> Date: Saturday, 12 February, 2011, 9:16
> This NASA page on EVA28, posted Feb
> 9, doesn't mention ARISSAT-1 although NASA's earlier
> postings on EVA28 had mentioned it as one of the tasks to be
> performed.
> http://www.nasa.gov/mission_pages/station/expeditions/expedition26/russian_eva28.html
>
>
> It says the next Russian space walk will be in July.
>
> The lack of a mention doesn't necessarily mean anything
> although taken in conjunction with the NASA TV reference it
> looks like a postponement has occurred. Clearly deployment
> of ARISSAT-1 is one of those activities that would be
> postponed if additional time were needed to complete other
> tasks.
>
> 73 Trevor M5AKA
>
> --- On Fri, 11/2/11, Keith N4ZQ <n4zq@...>
> wrote:
> > During today's Friday 16:00z
> > ISS Mission Coverage on NASA TV, they announced that
> the
> > launch of the Nanosat with space greeting celebrating
> the 50
> > years since Yuri Gagarin flight has been postponed
> from
> > Wednesday space walk. . I ASSUME they are talking
> > about ARISSat 1. No explanation was given as to why it
> has
> > been delayed... Anyone have any other information ?

> >
> > Keith N4ZQ

4200. First Call for Speakers for AMSAT UK Colloquium 2011

Yahoo group: eu-amsat
Date: 2011-02-12 20:18:44 UTC
From: David Johnson
Topic: 4200 Message: 4200

Hi All,

This is the first call for speakers for the AMSAT-UK Colloquium 2011
which will be held at the Holiday Inn, Guildford, UK
(same venue as in 2010) from *Fri 29 Jul to Sun 31 July 2011*

AMSAT-UK invite speakers, about amateur radio, space and associated
activities, for this event.

Offers of talks should be sent *ONLY* to G4DPZ, via the following routes:

e-mail: david.johnson AT blackpepper.co.uk

SnailMail: QTHR from www.QRZ.com

AMSAT-UK also invite anyone with requests for Program Topics to submit
them as soon as possible to G4DPZ. Invitations for specific subjects will
be included in the future call.

Likewise if anyone knows of a good speaker, please send contact and other
information to G4DPZ.

73

Dave
G4DPZ

4201. SAT Transverter tuning problem - suggestions welcome!

Yahoo group: eu-amsat
Date: 2011-02-14 18:55:18 UTC
From: i4mfa
Topic: 4201 Message: 4201

I got a 2nd hand Microwave Modules MMT 144/28 from a USA ham and I changed xtal (new is 116MHz) in order to usr it from 28-30 upTo 144-146 (and downTo) for satellite. Without testing it before I put up the new xtal and started tuning at 145.900 (0.1W input 29.900 from FT817ND modified) for max output (directly on 2x11 yagi, 1.3 SWR) on my LDG DWM-4 Wattmeter but, even if I see 10W to 17W (FT817ND is 2.5W max on my LDG), REAL LIFE report of my xverter signal is lower respect 0.1W from FT817ND.
I performed the following tests.
1. fine tuning of oscillator coil, listened on FT817ND (real life test reports OK)
2a. max output on LDG wattmeter connected to my yagi
2b. max readout on my Heathkit Dip Meter (2 turns on SO239 wire from PA, twisted wire, 2 turns on GDM coil) at "expected" frequency 146MHz (to be honest I have a 5Mhz precision on my GDM)
2c. max S readout on a FM handheld in my shack (yagis are on the roof, less than 10' far), 1" wire antenna on it (max S readout IS NOT max output on LDG wattmeter: sound strange to me)
3. compared test using the same cable + yagi of FT817ND (146 MHz) and transverter

Test 3 evidence LESS THAN 0.1W at 146 MHx even with a wattmeter readout of 10-17W (either FM or SSB; modulation is excellent from xverter, signal is looooow).
I receive on a FT1000MP MarkV Field; secondary receiver (tested on FM) signals seems goods, primary receiver (tested on SSB) seems better, both receiving tests compared good respect FT817ND.

All 2x tests have been done as follows:
A. starting from max attenuation, reduced attenuation and measured output till flat; slightly increased attenuation.
B. tuned mixer stage for max output
C. starting from last (antenna side) circuit of xverter, tined the capacitors only for max (see 2a 2b 2c for definition of WHICH max).

I am going crazy, any suggestion welcome.
73s, Marco I4MFA

4202. Re: [eu-amsat] SAT Transverter tuning problem - suggestions welcome!

Yahoo group: eu-amsat
Date: 2011-02-15 11:56:15 UTC
From: Thomas Frey
Topic: 4201 Message: 4202

i4mfa schrieb:
> I got a 2nd hand Microwave Modules MMT 144/28 from a USA ham and I changed xtal (new is 116MHz) in order to usr it from 28-30 upTo 144-146 (and downTo) for satellite. Without testing it before I put up the new xtal and started tuning at 145.900 (0.1W input 29.900 from FT817ND modified) for max output (directly on 2x11 yagi, 1.3 SWR) on my LDG DWM-4 Wattmeter but, even if I see 10W to 17W (FT817ND is 2.5W max on my LDG), REAL LIFE report of my xverter signal is lower respect 0.1W from FT817ND.
>

Hello Marco

I don't know if I understood you correct. At the backend of the transverter
you will have the power to drive an additional PA. If you measure 2.5 Watt
its OK I think.

> I performed the following tests.
> 1. fine tuning of oscillator coil, listened on FT817ND (real life test reports OK)
> 2a. max output on LDG wattmeter connected to my yagi
> 2b. max readout on my Heathkit Dip Meter (2 turns on SO239 wire from PA, twisted wire, 2 turns on GDM coil) at "expected" frequency 146MHz (to be honest I have a 5Mhz precision on my GDM)
> 2c. max S readout on a FM handheld in my shack (yagis are on the roof, less than 10' far), 1" wire antenna on it (max S readout IS NOT max output on LDG wattmeter: sound strange to me)
> 3. compared test using the same cable + yagi of FT817ND (146 MHz) and transverter
>
> Test 3 evidence LESS THAN 0.1W at 146 MHx even with a wattmeter readout of 10-17W (either FM or SSB; modulation is excellent from xverter, signal is looooow).
> I receive on a FT1000MP MarkV Field; secondary receiver (tested on FM) signals seems goods, primary receiver (tested on SSB) seems better, both receiving tests compared good respect FT817ND.
>
> All 2x tests have been done as follows:
> A. starting from max attenuation, reduced attenuation and measured output till flat; slightly increased attenuation.
> B. tuned mixer stage for max output
> C. starting from last (antenna side) circuit of xverter, tined the capacitors only for max (see 2a 2b 2c for definition of WHICH max).
>
> I am going crazy, any suggestion welcome.
> 73s, Marco I4MFA
>

--

Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4203. Re: SAT Transverter tuning problem - suggestions welcome!

Yahoo group: eu-amsat
Date: 2011-02-15 13:02:43 UTC
From: i4mfa
Topic: 4201 Message: 4203

> Hello Marco
> I don't know if I understood you correct.

Tnx Thomas fer re. I a few words: when I connect the xverter to wattmeter I read 10-17W, when I connect FT817ND (146MHz) I read 2.5W BUT all the stations receive my signal 10 times stronger; so the 10-17W reading of the xverter produces a 0.1W REAL SIGNAL (with excellent modulation, but... milliwatts). Same cable, antenna, meter etc.

If somebody else wrote this down to me I'll reputate him crazy; unfortunately I know I am not crazy, that's why I'm going to be crazy!

Testing suggestions?
73s, Marco - i4mfa - w4mfa

4204. Re: [eu-amsat] Re: SAT Transverter tuning problem - suggestions welcome!

Yahoo group: eu-amsat
Date: 2011-02-15 14:01:26 UTC
From: Thomas Frey
Topic: 4201 Message: 4204

i4mfa schrieb:
>> Hello Marco
>> I don't know if I understood you correct.
>>
> Tnx Thomas fer re. I a few words: when I connect the xverter to wattmeter I read 10-17W, when I connect FT817ND (146MHz) I read 2.5W BUT all the stations receive my signal 10 times stronger; so the 10-17W reading of the xverter produces a 0.1W REAL SIGNAL (with excellent modulation, but... milliwatts). Same cable, antenna, meter etc.
>
> If somebody else wrote this down to me I'll reputate him crazy; unfortunately I know I am not crazy, that's why I'm going to be crazy!
>
> Testing suggestions?
> 73s, Marco - i4mfa - w4mfa
>
>
>
Hmmmm.... I understood this situation:

/FT817ND/ --(2.5W)--> /xverter/ -->(10-17W)&(0.1W)

If you drive the transverter with 2.5 Watt then the output of 10-17W
is for the antenna and the 100 mW could be for test purposes or another
microwave stage. With 100 mW you will never get a higher signal level
than with 17 Watt. This is physically impossible.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4205. AMSAT INDIA February 2011 News Letter

Yahoo group: eu-amsat
Date: 2011-02-15 16:18:57 UTC
From: Nitin Muttin
Topic: 4139 Message: 4205

All,

AMSAT INDIA's February 2011 news letter is available for download. The PDF of the newsletter is available at http://amsatindia.org/Newsletter/AMSATINDIA-News-February2011.pdf and the archives at www.amsatindia.org/Newsletter

Content of the Newsletter

1. Update on the Technical talk held on January 30th

2. Update on the Cubesat Transponder project by AMSAT INDIA.

3. Azimuth Elevation Rotator - A Homebrew approach by VU2POP

4. News from AMSAT organizations worldwide

73's

Nitin [VU3TYG]

Secretary, AMSAT INDIA

www.amsatindia.org

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1204 / Virus Database: 1435/3444 - Release Date: 02/14/11

4206. Re: [amsat-bb] Spaceflight.com Space Walk report

Yahoo group: eu-amsat
Date: 2011-02-16 23:09:47 UTC
From: Luc Leblanc
Topic: 4206 Message: 4206

On 16 Feb 2011 at 20:47, Trevor . wrote:

Date sent: Wed, 16 Feb 2011 20:47:15 +0000 (GMT)
From: "Trevor ." <m5aka@...>
Subject: [amsat-bb] Spaceflight.com Space Walk report
To: amsat-bb@...

> http://www.nasaspaceflight.com/2011/02/cosmonauts-perform-russian-spacewalk-on-iss/

The previously scheduled task of deploying the "Kedr" microsatellite had already been cancelled, due to the fact that, if it were deployed
EVA-28, Kedr´s batteries would run out before the 50th Anniversary of Yuri Gagarin´s spaceflight, which the satellite is designed to
commemorate. Instead, the satellite will be switched on inside the ISS on 12th April.

Finally we will get to the bottom of it!!! A satellite inside a satellite who will never fly??? that remembers me the famous TV series
"Voyage to the bottom of the sea" Where incredible things happens inside this nuclear sub.

Could be some spare batteries can be shipped up there in a way to have ARRisat-1 finally flying by himself?

http://en.wikipedia.org/wiki/Voyage_to_the_Bottom_of_the_Sea_%28TV_series%29

P.S. One of many plastic glue kit i assemble without sniffing too much the glue vapour on purpose... Other purpose for this glue has been
discovered years later!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4207. Ariane V ans ATV2

Yahoo group: eu-amsat
Date: 2010-02-17 06:31:23 UTC
From: Luc Leblanc
Topic: 4207 Message: 4207

Will they have room for some ballast in 2011?

Mission accomplished!
ATV2 cargo vessel en route for the International Space Station

On Wednesday, February 16, Arianespace´s first mission of the year successfully launched the second ATV (Automated Transfer Vehicle), designated Johannes Kepler, for the European Space Agency.

200th Ariane launch, 56th Ariane 5 launch, 42nd success in a row

This latest successful Ariane 5 launch, the 200th Ariane launch and the first mission in 2011, once again proves the launcher´s operational capabilities. Ariane 5 handles a complete range of missions, from commercial launches into geostationary orbit to dedicated launches into special orbits.

The 56th launch of an Ariane 5, and 42nd successful mission in a row, clearly demonstrates the launcher´s reliability and availability. It also set a new payload record, by boosting more than 20 metric tons into low Earth orbit.

Today´s mission confirms that Arianespace´s launch Service & Solutions continue to set the global standard and guarantee independent access to space for all customers, including national and international space agencies, private firms and governments.

Second successful Ariane 5 ES launch

For the ATV2 Johannes Kepler mission, Arianespace used the Ariane 5 ES version of the launcher. It was the second successful launch of this version, following the original ATV1 Jules Verne mission in March 2008.

Arianespace uses the Ariane 5 ES version to launch ATV cargo vessels to the International Space Station. Ariane 5 ES uses the same lower composite as the standard Ariane 5 ECA launcher, comprising the cryogenic main stage and solid boosters, plus a special upper composite, the EPS reignitable storable propellant stage.

A new mission for the Guiana Space Center

Today´s launch marks Arianespace´s second mission to the International Space Station, confirming the Guiana Space Center´s membership in the highly select "club" of launch sites serving the Space Station, alongside Baikonur, Cape Canaveral and Tanegashima.

http://www.videocorner.tv

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4208. HO-68.

Yahoo group: eu-amsat
Date: 2011-02-18 19:27:01 UTC
From: John Hackett
Topic: 4208 Message: 4208

Hello Alan,
I trust you enjoyed your well deserved holiday.

Any news on the HO-68 transponder problem? ... or ... a provisional plan for returning it to service?.

73 John. <la2qaa@...>

4211. Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-08 19:06:23 UTC
From: allan_gm1sxx
Topic: 4211 Message: 4211

Hi,

The twice delayed launch of Yubileiny-2 amateur radio satellite is now targeted for 29th March 2011 from Plesetsk on a Rockot/Briz KM launch vehicle.

The Rockot should be carrying the following birds... Russian communications satellites (Gonets M, Rodnik), Russian amateur satellite (Yubileyniy 2).

Like Yubileiny-1, Yubileiny-2 will be a downlink-only bird and will almost certainly use the Doka-B Telemetry and control system that has become the Reshetnev bureau's new standard telemetry & control system for small satellites. LEO orbit with 82 degrees inclination.

The main payload Gonets (messenger) is a store-dump message forwarding satellite system (commercial/military)

73 Al.
GM1SXX

4212. Re: [eu-amsat] Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-08 21:00:53 UTC
From: Thomas Frey
Topic: 4211 Message: 4212

allan_gm1sxx schrieb:
> Hi,
>
> The twice delayed launch of Yubileiny-2 amateur radio satellite is now targeted for 29th March 2011 from Plesetsk on a Rockot/Briz KM launch vehicle.
>
> The Rockot should be carrying the following birds... Russian communications satellites (Gonets M, Rodnik), Russian amateur satellite (Yubileyniy 2).
>
> Like Yubileiny-1, Yubileiny-2 will be a downlink-only bird and will almost certainly use the Doka-B Telemetry and control system that has become the Reshetnev bureau's new standard telemetry& control system for small satellites. LEO orbit with 82 degrees inclination.
>
> The main payload Gonets (messenger) is a store-dump message forwarding satellite system (commercial/military)
>
> 73 Al.
> GM1SXX
>
>
Hello Allan

Thanks for the info. Can you tell us, what have a Doka-B Telemetry and control system to do with amateur radio ?? You named it "Russian amateur satellite". This and all coming satellites from the Reshetnev bureau is and will be intruders if they occupy the 435 MHz band. I'm worry about this situation ! Are you enthusiastic, if FUNcube, ARISSat, AMSAT-Fox aso. will be QRMed from this satellites ? Probably not.

I hope, the editor from the very good and interesting written News on Southgate ARC will not name this satellite as "Amateur satellite". There was a tendency for this in last time.

--

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4213. Ham or njet-Ham ...

Yahoo group: eu-amsat
Date: 2011-03-08 21:53:27 UTC
From: John Hackett
Topic: 4211 Message: 4213

Hello Folks,
I'd just like to point out that the 70cm band is *NOT* an exclusive amateur band - and that we are in fact *SECONDARY* users.

Still no word from Alan Kung on HO-68 ... as our American colleagues like to grunt ... bummer!.

73 John. <la2qaa@...<

To: eu-amsat@yahoogroups.com
From: th.frey@...
Date: Tue, 8 Mar 2011 22:00:53 +0100
Subject: Re: [eu-amsat] Yubileiny-2 launch target date.

allan_gm1sxx schrieb:

> Hi,

>

> The twice delayed launch of Yubileiny-2 amateur radio satellite is now targeted for 29th March 2011 from Plesetsk on a Rockot/Briz KM launch vehicle.

>

> The Rockot should be carrying the following birds... Russian communications satellites (Gonets M, Rodnik), Russian amateur satellite (Yubileyniy 2).

>

> Like Yubileiny-1, Yubileiny-2 will be a downlink-only bird and will almost certainly use the Doka-B Telemetry and control system that has become the Reshetnev bureau's new standard telemetry& control system for small satellites. LEO orbit with 82 degrees inclination.

>

> The main payload Gonets (messenger) is a store-dump message forwarding satellite system (commercial/military)

>

> 73 Al.

> GM1SXX

>

>

Hello Allan

Thanks for the info. Can you tell us, what have a Doka-B Telemetry and control system to do with amateur radio ?? You named it "Russian amateur satellite". This and all coming satellites from the Reshetnev bureau is and will be intruders if they occupy the 435 MHz band. I'm worry about this situation ! Are you enthusiastic, if FUNcube, ARISSat, AMSAT-Fox aso. will be QRMed from this satellites ? Probably not.

I hope, the editor from the very good and interesting written News on Southgate ARC will not name this satellite as "Amateur satellite". There was a tendency for this in last time.

--

Mit freundlichen Grüssen, Best Regards, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

4214. Re: [eu-amsat] Ham or njet-Ham ...

Yahoo group: eu-amsat
Date: 2011-03-09 00:13:39 UTC
From: Thomas Frey
Topic: 4211 Message: 4214

John Hackett schrieb:
>
>
> Hello Folks,
> I'd just like to point out that the 70cm band is
> *NOT* an exclusive amateur band - and that
> we are in fact *SECONDARY* users.

You are right John, but if we don't fight for our frequencies we will lose it.

>
> Still no word from Alan Kung on HO-68 ... as our American colleagues
> like to grunt ... bummer!.

HO-68's downlink is also in the 435 MHz band. I heard AO-51 QRMed by Yubileiny-1. Both have nearly the same downlink frequency with respect of Doppler.

>
> 73 John. <la2qaa@...<
>
Is this too complicate to understand ? NJET !! This satellites are

NO HAM satellites !! They will be COMMERCIAL Gentlemen !!

--

73 and Good Night
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4215. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-09 08:56:08 UTC
From: allan_gm1sxx
Topic: 4211 Message: 4215

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Hello Allan
>
> Thanks for the info. Can you tell us, what have a Doka-B Telemetry and control system to do with amateur radio ?? You named it "Russian amateur satellite". This and all coming satellites from the Reshetnev bureau is and will be intruders if they occupy the 435 MHz band. I'm worry about this situation ! Are you enthusiastic, if FUNcube, ARISSat, AMSAT-Fox aso. will be QRMed from this satellites ? Probably not.

Please don't shoot the messenger! NO... not Gonets (Messenger / Courier) ....me! I'm only reporting the planned launch.

>You named it "Russian amateur satellite".
Actually, Reshetnev names it that, not me.

I didn't say I was enthusiastic. I think Thomas suggested that.

The fact is that I'm actually about as *un*-enthusiastic about this one as I am about *all* of the other Downlink-Only 'me too' University birds.

The Russian Federal Space agency had this to say, a couple of months ago...

"Yubileiny-2 is developed by ISS together with SIBSAU (Siberian State Aerospace University). The experimental spacecraft will be used to validate scientific and educational technologies."

'Educational' being the operative word.

From what I have discovered, the spaceframe and some expertise is being supplied by Reshetnev Bureau, but this is actually a (SIBSAU) university student bird.

C'mon guys... pleading 'education' is the best way I know of to put a 'free' downlink in the amateur radio satellite allocations. It's absolutely nothing new. It's been happening since at least 1981 (UoSAT1), and possibly earlier than that.

73 Al.
GM1SXX

4216. Re: [eu-amsat] Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-09 11:20:47 UTC
From: Thomas Frey
Topic: 4211 Message: 4216

allan_gm1sxx schrieb:
>
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> Hello Allan
>>
>> Thanks for the info. Can you tell us, what have a Doka-B Telemetry and control system to do with amateur radio ?? You named it "Russian amateur satellite". This and all coming satellites from the Reshetnev bureau is and will be intruders if they occupy the 435 MHz band. I'm worry about this situation ! Are you enthusiastic, if FUNcube, ARISSat, AMSAT-Fox aso. will be QRMed from this satellites ? Probably not.
>>
> Please don't shoot the messenger! NO... not Gonets (Messenger / Courier) ....me! I'm only reporting the planned launch.
>
>
>> You named it "Russian amateur satellite".
>>
> Actually, Reshetnev names it that, not me.
>
> I didn't say I was enthusiastic. I think Thomas suggested that.
>

OK Al, Sorry for the shot. The real source "Amateur Radio satellite" was
not visible
by me.

> The fact is that I'm actually about as *un*-enthusiastic about this one as I am about *all* of the other Downlink-Only 'me too' University birds.
>
> The Russian Federal Space agency had this to say, a couple of months ago...
>
> "Yubileiny-2 is developed by ISS together with SIBSAU (Siberian State Aerospace University). The experimental spacecraft will be used to validate scientific and educational technologies."
>
> 'Educational' being the operative word.
>
> > From what I have discovered, the spaceframe and some expertise is being supplied by Reshetnev Bureau, but this is actually a (SIBSAU) university student bird.
>
> C'mon guys... pleading 'education' is the best way I know of to put a 'free' downlink in the amateur radio satellite allocations. It's absolutely nothing new. It's been happening since at least 1981 (UoSAT1), and possibly earlier than that.

>
> 73 Al.
> GM1SXX
>
>
Nobody is against education. But the communication protocols must be open and modulations common if this satellites transmits in the HAM bands. DOKA-B has absolutely nothing to do with HAM radio, its commercial or militarily.

If we satellite HAMs are pleased about every satellite which transmits its "bull shit" (Sorry) on our frequencies, then we shovel our own groves. We have to be more critical about such satellites !

--

Mit freundlichen Gr?ssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4217. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-09 13:22:23 UTC
From: allan_gm1sxx
Topic: 4211 Message: 4217

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>(snipped)
>> >
> Nobody is against education. But the communication protocols must be
> open and modulations common if this satellites transmits in the
> HAM bands. DOKA-B has absolutely nothing to do with HAM radio, its
> commercial or militarily.
>

Hi group.

My understanding is that DOKA-B is based on a standard protocol and uses 2M up / 70Cms DOWN. It's also not a new protocol any more.

Telemetry and control protocols for use on amateur satellites need not be derived from amateur radio in their origins. CW is a good example of such a protocol, (from the telegraph), and let us not forget that AX25 amateur radio packet protocol was derived from the commercial X.25 network packet-switching protocol.

And no, I'm not looking forward to the launch of another downlink only bird.

For anyone still reading, the satellite does have an uplink... on 2M, and a downlink on 70Cms, but NOT intended for amateur radio use. This is something it shares in common with many, if great majority, of the other 'downlink-only' satellites. I don't class any of them as amateur radio satellites.

Your point of view may vary, of course, depending on whether you are a radio amateur or an educator, or employed by the military, or any combination of all three, and as LA2QAA has already pointed out, 70CMs is a shared band anyway. He should know. He used to work for the military, so he *has* sat on two of the three sides of the fence.

The military are the Primary Users of 70Cms in almost every country. Reshetnev could just as easily have called it a military satellite, but chose not to. The truth is that it doesn't much matter anyway. We are only kidding ourselves if we think differently.

I think the real problem we all face is that of downlink-only 'amateur radio' satellites. They contribute nothing of interest for the average radio amateur. IMO they are the real band intruders.

It's hardly fair or reasonable to call one university downlink-only satellite an 'amateur radio satellite' while labelling another one as an intruder. Don't you think?

73 Al.
GM1SXX

Some references.

http://www.ne.jp/asahi/hamradio/je9pel/yubilein.htm

http://www.observations.biz/Observations_from_Russia/Observations_2010_01_11.htm

http://www.observations.biz/Observations_from_Russia/Yubileiny.htm

http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115

The original Reshetnev press release for Yubileiny-1 is at...
http://observations.biz/Observations_from_Russia/m3-screen_en.pdf
and elsewhere.

There are others for those who care to look.

4218. Re: [eu-amsat] Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-09 14:30:17 UTC
From: Thomas Frey
Topic: 4211 Message: 4218

Hello Group

If I compare the shortwave amateurs with the satellite amateurs, the shortwave HAMs gains new frequencies and we satellite HAMs (will) lose frequencies. How long as AMSAT organisations not participates in the IARU, nothing will change.

allan_gm1sxx schrieb:
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> (snipped)
>>
>>>>
>>>>
>> Nobody is against education. But the communication protocols must be
>> open and modulations common if this satellites transmits in the
>> HAM bands. DOKA-B has absolutely nothing to do with HAM radio, its
>> commercial or militarily.
>>
>>
> _____
> Hi group.
>
> My understanding is that DOKA-B is based on a standard protocol and uses 2M up / 70Cms DOWN. It's also not a new protocol any more.
>
> Telemetry and control protocols for use on amateur satellites need not be derived from amateur radio in their origins. CW is a good example of such a protocol, (from the telegraph), and let us not forget that AX25 amateur radio packet protocol was derived from the commercial X.25 network packet-switching protocol.
>
> And no, I'm not looking forward to the launch of another downlink only bird.
>
> For anyone still reading, the satellite does have an uplink... on 2M, and a downlink on 70Cms, but NOT intended for amateur radio use. This is something it shares in common with many, if great majority, of the other 'downlink-only' satellites. I don't class any of them as amateur radio satellites.
>
> Your point of view may vary, of course, depending on whether you are a radio amateur or an educator, or employed by the military, or any combination of all three, and as LA2QAA has already pointed out, 70CMs is a shared band anyway. He should know. He used to work for the military, so he *has* sat on two of the three sides of the fence.
>
> The military are the Primary Users of 70Cms in almost every country. Reshetnev could just

as easily have called it a military satellite, but chose not to. The truth is that it doesn't much matter anyway. We are only kidding ourselves if we think differently.
>
> I think the real problem we all face is that of downlink-only 'amateur radio' satellites. They contribute nothing of interest for the average radio amateur. IMO they are the real band intruders.
>
> It's hardly fair or reasonable to call one university downlink-only satellite an 'amateur radio satellite' while labelling another one as an intruder. Don't you think?
>
> 73 Al.
> GM1SXX
>
> Some references.
>
> http://www.ne.jp/asahi/hamradio/je9pel/yubilein.htm
>
> http://www.observations.biz/Observations_from_Russia/Observations_2010_01_11.htm
>
> http://www.observations.biz/Observations_from_Russia/Yubileiny.htm
>
> http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=115
>
> The original Reshetnev press release for Yubileiny-1 is at...
> http://observations.biz/Observations_from_Russia/m3-screen_en.pdf
> and elsewhere.
>
> There are others for those who care to look.
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4219. Sad.

Yahoo group: eu-amsat
Date: 2011-03-10 15:03:28 UTC
From: John Hackett
Topic: 4219 Message: 4219

To anybody who might be in the least bit interested.

I'm sorry to say that of late, AO-7 also seems to have degenerated into an FM style free-for-all.

I remember when we were actually able to have a chat on this fine old Lady.

What is both amusing and sad is that the 'NEW' operators find it necessary to call CQ on top! of the stations
already in QSO ... while 20K/cs either side - the QRG is free. I spent almost the whole of the last pass monitoring the chaos on 145.940 +/-

This afternoon, one of the Russian regulars asked one of these 'new' stations to PSE QSY - when he heard tried to teply to my call ... and was immediately and deliberately permanently QRM'd on the key for his audacity.

(Yes, I did hear you Igor but I chose to QRT).

Admittedly, I was running my usual QRP but people can! hear it providing they use their ears as well as they use their mouth.

I think It'll be a while before Frei Island appears on AO-7 again.

73 John. <la2qaa@...g>

It's sad that the best resource we had is now nothing more than a 599 machine.

Where is the organisation that ought to be responsible for teaching operating proceedure?

4220. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-10 21:13:49 UTC
From: m5aka
Topic: 4211 Message: 4220

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> If I compare the shortwave amateurs with the satellite amateurs, the
> shortwave HAMs gains new frequencies and we satellite HAMs (will) lose
> frequencies. How long as AMSAT organisations not participates in the
> IARU, nothing will change.

A good point Thomas.

Clearly AMSAT groups cannot be member societies of the IARU since membership is restricted to one national society per country but what they can do is work with their own National Society to both explain Amateur satellites to them and also to encourage the Societies to get new satellite bands on the IARU agenda so they in turn can work with ITU representatives. Also where applicable we should be looking to see if additional spectrum may be found in existing bands.

A couple of years ago an attempt was made to get IARU Region 1 to approve of a weak signal CW and SSB only satellite downlink segment at 144.0-144.035MHz. That particular segment of 2m is little used these days. The Moonbounce activity has moved up the band to the WSJT frequencies and what little 2m CW activity is left tends to cluster around 144.050MHz.

The RSGB put forward a paper into IARU-R1 for such an allocation but unfortunately at that time it was voted down perhaps because the delegates from other countries were not familiar with Amateur Satellites.

Our 435-438MHz satellite band is shared with high power military over-the-horizon radars in addition to other military comms. 435-438 is also shared with non-amateur satellites. In about 2000, at I believe the same WRC that allocated 1260-1300MHz to Galilleo, the band 432-438MHz was allocated to satellites that carry Synthetic-Aperture Radar(SAR)systems.

As well as our 1260-1270MHz segment being allocated to the Gallileo GPS system our 2400MHz allocation is now so full of Wifi and other comsumer products that it's virtually useless in urban areas.

We do not have any Primary Amateur Satellite frequencies between 146MHz and 24GHz and in many countries even the Primary 24GHz allocation is shared with Vehicle Radar systems used for parking etc.

However, it is encouraging that in the last couple of years IARU has listed new global Amateur Satellite Service allocations at 50MHz and 3400MHz as two of its objectives. Up until 3 years ago new amateur satellite allocations simply weren't on the IARU agenda at all.

73 Trevor M5AKA

4221. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-11 10:51:48 UTC
From: allan_gm1sxx
Topic: 4211 Message: 4221

Hi Group.

--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
>
> Our 435-438MHz satellite band is shared with high power military over-the-horizon radars in addition to other military comms. 435-438 is also shared with non-amateur satellites. In about 2000, at I believe the same WRC that allocated 1260-1300MHz to Galilleo, the band 432-438MHz was allocated to satellites that carry Synthetic-Aperture Radar(SAR)systems.
>
> As well as our 1260-1270MHz segment being allocated to the Gallileo GPS system our 2400MHz allocation is now so full of Wifi and other comsumer products that it's virtually useless in urban areas.
>

"Our 435-438MHz satellite band is shared"
Ours?
How can it be *ours* yet shared? We are secondary users after all.

In London, for example, the Mango shops are licensed in the 70Cms band. It's not 'our' band. There are plenty of other OFCOM licensed civilian users on 70Cms too, who have every right to be there. Have a look on the OFCOM website or in any of the common 'Frequency List' books you can buy.

" As well as our 1260-1270MHz segment being allocated to the Gallileo GPS system"
.....ditto.

Yet again, these are not 'our' frequencies. We only get to share them on the basis of non-interference to the Primary users.
We share 23Cms with the Primary Users (Military and CAA plus others, as best I can tell) on a secondary basis. Not 'our' band.

I believe NATS (UK National Air Traffic Control Service) operate air traffic control RADARs there. This I suspect is why it takes so long for any beacon or repeater application on 23CMs to be approved. The 'big boys' all have to OK it.

13Cms is an ISM band. We have no 'rights' there either. These bands are a free-for all. Anything goes, including leaky microwave ovens and RF welding machines.

There are allocations where radio amateurs have Primary user rights, but 70, 23 and 13Cms are included.

'Ours' and 'shared' don't belong in the same statement.

We have moved to 5.8Ghz WLAN systems at work because 2400 is too congested now. No doubt 5.8 will also in due course become saturated as demand for broadband networking keeps increasing.

In bands where we are not Primary users, we have really no justification to complain. At least that is my understanding of the situation, from reading my BR68. I think we'd best get used to it.

73 Al.

P.S. For non UK readers.. BR68 is the UK 'terms, provisions and limitations' document for amateur radio users.
http://www.ofcom.org.uk/static/archive/ra/publication/ra_info/br68r11/br68.htm

4222. Re: [eu-amsat] Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-11 13:31:34 UTC
From: Thomas Frey
Topic: 4211 Message: 4222

Hello All

Please read the following site:
http://iaru-r1.org/index.php?option=com_content&view=article&id=191&Itemid=144

The possibilities are existing to fight for our rights. If we
don't fight we lose the battle. It is a battle between David (HAMs)
and Goliath (commerce). You knows this story. Would an AMSAT Working
Group be a good idea ?

allan_gm1sxx schrieb:
>
>
> Hi Group.
>
> --- In eu-amsat@yahoogroups.com, "m5aka"<m5aka@...> wrote:
>
>> Our 435-438MHz satellite band is shared with high power military over-the-horizon radars in addition to other military comms. 435-438 is also shared with non-amateur satellites. In about 2000, at I believe the same WRC that allocated 1260-1300MHz to Galilleo, the band 432-438MHz was allocated to satellites that carry Synthetic-Aperture Radar(SAR)systems.
>>
>> As well as our 1260-1270MHz segment being allocated to the Gallileo GPS system our 2400MHz allocation is now so full of Wifi and other comsumer products that it's virtually useless in urban areas.
>>
>>
> "Our 435-438MHz satellite band is shared"
> Ours?
> How can it be *ours* yet shared? We are secondary users after all.
>
> In London, for example, the Mango shops are licensed in the 70Cms band. It's not 'our' band. There are plenty of other OFCOM licensed civilian users on 70Cms too, who have every right to be there. Have a look on the OFCOM website or in any of the common 'Frequency List' books you can buy.
>
> " As well as our 1260-1270MHz segment being allocated to the Gallileo GPS system" .....ditto.
>
> Yet again, these are not 'our' frequencies. We only get to share them on the basis of non-interference to the Primary users.
> We share 23Cms with the Primary Users (Military and CAA plus others, as best I can tell) on a secondary basis. Not 'our' band.
>
> I believe NATS (UK National Air Traffic Control Service) operate air traffic control RADARs there. This I suspect is why it takes so long for any beacon or repeater application

on 23CMs to be approved. The 'big boys' all have to OK it.
>
> 13Cms is an ISM band. We have no 'rights' there either. These bands are a free-for all. Anything goes, including leaky microwave ovens and RF welding machines.
>
> There are allocations where radio amateurs have Primary user rights, but 70, 23 and 13Cms are included.
>
> 'Ours' and 'shared' don't belong in the same statement.
>
> We have moved to 5.8Ghz WLAN systems at work because 2400 is too congested now. No doubt 5.8 will also in due course become saturated as demand for broadband networking keeps increasing.
>
> In bands where we are not Primary users, we have really no justification to complain. At least that is my understanding of the situation, from reading my BR68. I think we'd best get used to it.
>
> 73 Al.
>
> P.S. For non UK readers.. BR68 is the UK 'terms, provisions and limitations' document for amateur radio users.
> http://www.ofcom.org.uk/static/archive/ra/publication/ra_info/br68r11/br68.htm
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4223. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-11 13:55:01 UTC
From: m5aka
Topic: 4211 Message: 4223

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...>
> "Our 435-438MHz satellite band is shared"
> Ours?
> How can it be *ours* yet shared?

If you are saying it's not "ours" then you can't have a problem with satellites such as Yubileiny-2 using it can you?

It's our satellite allocation because the ITU assigned it to us. Unfortunately it's only a secondary allocation with other services also using the frequencies. Such is the nature of shared bands.

Many years ago there was no great problem in having shared allocations at UHF and Microwaves since they weren't heavily used by other services but as years have gone by the level of use by other services has steadily increased.

What we ideally need is a number of narrow (say 3 or 4 megs) Primary allocations across the 400MHz to 10.5GHz spectrum but I fear it'll take us many years if decades before we get that.

73 Trevor M5AKA

4224. Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-11 15:13:08 UTC
From: allan_gm1sxx
Topic: 4211 Message: 4224

Hi Group,
--- In eu-amsat@yahoogroups.com, "m5aka" <m5aka@...> wrote:
> --- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@>
> > "Our 435-438MHz satellite band is shared"
> > Ours?
> > How can it be *ours* yet shared?
>
> If you are saying it's not "ours" then you can't have a problem with satellites such as Yubileiny-2 using it can you?

If you have read the IARU R1 bandplans, you'll *know* the band is 'not 'ours'. The point I was making is that we get to share the band as Secondary users with all that being Secondary entails.

In any event, Yubileiny-2 could just as easily have been called a 'military' satellite, by its builders, in which case it could also legitimately use 70Cms. There's always an easy way to have a downlink on 70Cms.

> What we ideally need is a number of narrow (say 3 or 4 megs) Primary allocations across the 400MHz to 10.5GHz spectrum but I fear it'll take us many years if decades before we get that.

Do you think so? Have you considered Doppler shift? By going to those frequencies, you effectively alienate a very large percentage of your potential user base, the ones who might be tempted to join, or even re-join, AMSAT, because they don't have the cash, or the will, to buy transverters, CAT controlled transceivers,auto-doppler and what have you that you *need* for these frequencies.

This is especially true for satellites in LEO. IMHO Higher frequencies = fewer paying members.

A primary satellite allocation on 50Mhz would surely be so much more useful. Not much fun for the satellite builders, being too low tech, but far more practical for the end users.

29.3-29.510Mhz? Don't be silly man! ... that would be far too easy, and we *can't* have that. We even have a Primary allocation there already and as best I can tell, we choose not to use it. Folks might actually want to *use* such a satellite, and could even already have gear for that band in their shacks ;-)

And yes Thomas... I do know your personal thoughts on 29Mhz, should you read this.

Have a good day.
73 Al.
GM1SXX

4225. Re: [eu-amsat] Re: Yubileiny-2 launch target date.

Yahoo group: eu-amsat
Date: 2011-03-11 16:41:39 UTC
From: Thomas Frey
Topic: 4211 Message: 4225

allan_gm1sxx schrieb:
>
> And yes Thomas... I do know your personal thoughts on 29Mhz, should you read this.
>
> Have a good day.
> 73 Al.
> GM1SXX
>
>
I don't know what you mean Al. I'm QRV on AO-7 Mode-A and if the 10m
band is open (Es) and no satellite overflies my QTH, I'm QRV on 28 MHz.

Back to satellites: Please read my previous mail, an answer would be
glad. You can also start a new thread.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4226. Much awaited HO-68 news.

Yahoo group: eu-amsat
Date: 2011-03-13 14:22:43 UTC
From: John Hackett
Topic: 4226 Message: 4226

Group, hang in there ...

73 John. <la2qaa@...>

From: alankung@...
To: la2qaa@...
Subject: Re: BJ8TA Amateur Radio EME & Satellites Expedition
Date: Sat, 12 Mar 2011 23:49:39 +0800

Hi John,

We will try to process the problem in next
month.

73!
Alan, BA1DU

----- Original Message -----
From:
john hackett

To: alankung@...

Cc: eu-amsat@yahoogroups.com ; amsat-bb@...
Sent: Saturday, March 12, 2011 6:56 PM
Subject: BJ8TA Amateur Radio EME &
Satellites Expedition

Fine on the plans Alan but I believe the satellite community
would have apprecated some news of HO-68.

The continued silence is not
encouraging.

73 john. <la2qaa@...g>

.....
.....

>
From: alankung@...
>
To: ans@amsat.org; amsat-bb@...
> Date: Sat, 12
Mar 2011 00:00:45 +0800
> Subject: [amsat-bb] BJ8TA Amateur Radio EME
& Satellites Expedition
>

> BJ8TA Amateur Radio EME &
Satellites Expedition
>
> AMSAT-China is organizing some
enthusiasts from its members to come to southwest China for
>
experiments of EME and amateur satellite communications. The expedition team
will use special
> technology experiments amateur radio call sign
BJ8TA.
>
> BJ8TA team will be Shangri-La County(NL97ut), Yunnan
Province of China during March 20-23.
> it will be the first time
amateur radio EME communications in grid NL, the communications scheme on

> the 6m, 2m and 70cm bands, using Yagi antennas with PA of one
kilowatt.
>
> And then, the team will move to Yunnan Astronomical
Observatory of the Chinese Academy of Sciences
> in Chengjiang county,
it is located in grid OL14kq. The EME communications will use eleven meters

> diameter radio telescope antenna with gain of 29dbi on 70cm band.
operations will be from March 28
> to April 1.
>
> BJ8TA
team will be also active on the available satellites, including AO-51, VO-52,
AO-7, AO-27, FO-29,
> SO-50, SO-67 etc, during the expedition
period.
>
>
> BJ8TA Amateur Radio EME & Satellites
Expedition is supported by the Bureau of Radio Regulation of China
>
and Yunnan Astronomical Observatory of the Chinese Academy of
Sciences.
>
> BJ8TA team members:
>
> VIP operator:
Xie Feibo/BA1XIE, Director General of the Bureau of Radio Regulation of
China.
> VIP operator: Yin Hu/BD1AZ, Land Service Department of the
Bureau of Radio Regulation of China.
> VIP operator: Chen Ping/BA1HAM,
Deputy Secretary General of the Amateur Radio Committee of Chinese Radio
Association.

> VIP: Li Jian, Land Service Department of the Bureau of
Radio Regulation of China.
>
> Team leader: Fan/BA1EO
>
Operators: Alan/BA1DU, Wang/BA4RN, Wang/BH4REQ, Zhao/BH4RLO, Jin/BA4TA,
Michael/BD5RV and Chen/BA7CK
> Logistics: Zhu/BG5FCB,
Zhang/BG8SF
> QSL manager: Alan/BA1DU (P.O.Box 8091, Beijing 100088,
CHINA).
>
> 73!
>
> Alan Kung, BA1DU
> Chief
Executive Officer
> AMSAT-China
>
>
>

> Sent via
AMSAT-BB@.... Opinions expressed are those of the author.
> Not an
AMSAT-NA member? Join now to support the amateur satellite program!
>
Subscription settings:
http://amsat.org/mailman/listinfo/amsat-bb

4227. AMSAT INDIA News Letter- March 2011

Yahoo group: eu-amsat
Date: 2011-03-15 17:02:53 UTC
From: Nitin Muttin
Topic: 4227 Message: 4227

AMSAT INDIA's March 2011 News letter is available for download. The PDF of the newsletter is available at http://amsatindia.org/Newsletter/AMSATINDIA-News-March_2011.pdf and the archives at www.amsatindia.org/Newsletter

Content of the Newsletter

1. Update on the Technical talk held on February 20th 2011

2. Update on the Cubesat Transponder project by AMSAT INDIA.

3. Report by Anantha- VU3GPF on the scheduled contact with ISS with his school in India.

4. VU4PB - DXpedition by Amateur Radio Society of India (ARSI) to Andaman and Nicobar.

5. News from AMSAT Organizations worldwide.

73's

Nitin [VU3TYG]

Secretary, AMSAT INDIA

Vu3tyg@...

www.amsatindia.org

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1204 / Virus Database: 1498/3507 - Release Date: 03/14/11

4228. Re: [eu-amsat] AMSAT INDIA News Letter- March 2011

Yahoo group: eu-amsat
Date: 2011-03-15 17:18:26 UTC
From: Thomas Frey
Topic: 4227 Message: 4228

Thank you very much Nitin for your latest News Letter. As author
from a German written OSCAR News Letter I knows its not easy
to collect infos and distribute it in a regular manner. This
work is only doable with many fun.

Have fun and 73

Nitin Muttin schrieb:
>
>
> AMSAT INDIA?s March 2011 News letter is available for download. The
> PDF of the newsletter is available at
> *http://amsatindia.org/Newsletter/AMSATINDIA-News-March_2011.pdf* and
> the archives at *www.amsatindia.org/Newsletter
> <http://www.amsatindia.org/Newsletter>*
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> 5. News from AMSAT Organizations worldwide.
>
> 73?s
>
> Nitin [VU3TYG]
>
> *Secretary, AMSAT INDIA*
>
> *Vu3tyg@... <mailto:Vu3tyg@...> *
>
> www.amsatindia.org <http://www.amsatindia.org>
>
> ---
>
>
>
>

>

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4229. RE: [eu-amsat] AMSAT INDIA News Letter- March 2011

Yahoo group: eu-amsat
Date: 2011-03-15 17:45:22 UTC
From: Nitin Muttin
Topic: 4227 Message: 4229

Thanks Thomas for the appreciative note and I know it is challenging to keep this as a sustained activity but as you said it is fun. Please share the OSCAR news letter with me.

73's
Nitin [VU3TYG]
Secretary,AMSAT INDIA

-----Original Message-----
From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Thomas Frey
Sent: Tuesday, March 15, 2011 10:48 PM
To: eu-amsat@yahoogroups.com
Subject: Re: [eu-amsat] AMSAT INDIA News Letter- March 2011

Thank you very much Nitin for your latest News Letter. As author from a German written OSCAR News Letter I knows its not easy to collect infos and distribute it in a regular manner. This work is only doable with many fun.

Have fun and 73

Nitin Muttin schrieb:
>
>
> AMSAT INDIA□s March 2011 News letter is available for download. The
> PDF of the newsletter is available at
> *http://amsatindia.org/Newsletter/AMSATINDIA-News-March_2011.pdf* and
> the archives at *www.amsatindia.org/Newsletter
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> 5. News from AMSAT Organizations worldwide.
>
> 73□s

>
> Nitin [VU3TYG]
>
> *Secretary, AMSAT INDIA*
>
> *Vu3tyg@... <mailto:Vu3tyg@...> *
>
> www.amsatindia.org <http://www.amsatindia.org>
>
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>
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>
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>

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Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1204 / Virus Database: 1498/3507 - Release Date: 03/14/11

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1204 / Virus Database: 1498/3507 - Release Date: 03/14/11

4230. UK Space Agency's CubeSat Mission Takes Shape

Yahoo group: eu-amsat
Date: 2011-03-18 18:56:25 UTC
From: m5aka
Topic: 4230 Message: 4230

The UK Space Agency has revealed the instruments and experiments that will be launched into orbit onboard the UKube-1 CubeSat in early 2012.

Included are AMSAT-UK's FUNcube boards containing a 435/145MHz linear transponder and 9600bps BPSK beacon.

Read the UK Space Agency press release at
http://www.bis.gov.uk/ukspaceagency/news-and-events/2011/Mar/UK-first-cubesat-mission-starts-to-take-shape

You can join the FUNcube Yahoo Group at
http://groups.yahoo.com/group/FUNcube/

Twitter: http://www.twitter.com/FUNcubeUK
Facebook: http://www.facebook.com just lookup FUNcube

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full
of Amateur Satellite information.
Join online at http://tinyurl.com/JoinAMSAT-UK

73 Trevor M5AKA

4231. A new threat to 70Cms.

Yahoo group: eu-amsat
Date: 2011-03-21 10:16:27 UTC
From: allan_gm1sxx
Topic: 4231 Message: 4231

In the US, it seems a new threat is emerging for the 7Cms band, centred around a proposed public safety broadband network based on 70Cms. For anyone who had not read about it already, you can read more on the ARRL website at..

http://www.arrl.org/news/view/spectrum-management-bill-threatens-amateur-frequencies

It would appear that a new spectrum management bill proposed in the US is the latest threat to 70Cms amateur radio and 70Cms amateur satellite segment.

The original document is at..
http://www.gpo.gov/fdsys/pkg/BILLS-112hr607ih/pdf/BILLS-112hr607ih.pdf

The bill suggests the use of 420-440 and 450-470Mhz for this service.
This of course encompasesses the entire 70Cms allocation. Not good news for amateur radio users of 70Cms.

Al.
GM1SXX

4232. Re: [eu-amsat] A new threat to 70Cms.

Yahoo group: eu-amsat
Date: 2011-03-21 11:31:07 UTC
From: Thomas Frey
Topic: 4231 Message: 4232

allan_gm1sxx schrieb:
> In the US, it seems a new threat is emerging for the 7Cms band, centred around a proposed public safety broadband network based on 70Cms. For anyone who had not read about it already, you can read more on the ARRL website at..
>
> http://www.arrl.org/news/view/spectrum-management-bill-threatens-amateur-frequencies
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> It would appear that a new spectrum management bill proposed in the US is the latest threat to 70Cms amateur radio and 70Cms amateur satellite segment.
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> The bill suggests the use of 420-440 and 450-470Mhz for this service.
> This of course encompasesses the entire 70Cms allocation. Not good news for amateur radio users of 70Cms.
>
> Al.
> GM1SXX
>
>
Hello Al

How does this bill threaten the IARU regions 1 & 3 ? We lost the sub band 435 - 438 MHz anyway to commercial, "educational" & military satellites.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4233. Clyde Space to build UKube-1 Microsat

Yahoo group: eu-amsat
Date: 2011-03-22 15:49:22 UTC
From: allan_gm1sxx
Topic: 4233 Message: 4233

Local Glasgow company Clyde Space are to build the UK's first Cubesat.
More at..

http://www.clyde-space.com/news/311_uk-s-first-cubesat-mission-starts-to-take-shape

UKube-1 should carry the Funcube transponder as part of it's payload.
Launch is expected sometime next year, but no firm launch info is forthcoming.

Clyde Space have a proven track record in space hardware. They are vendors for Microsat kits and specialise in satellite power systems.. batteries, BCR's and solar panels. More company info at
www.clyde-space.com

More info on the payload and frequencies at..
http://www.amsatuk.me.uk/iaru/finished_detail.php?serialnum=203

73 Al.
GM1SXX

4234. Re: A new threat to 70Cms.

Yahoo group: eu-amsat
Date: 2011-03-22 19:45:40 UTC
From: m5aka
Topic: 4231 Message: 4234

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> How does this bill threaten the IARU regions 1 & 3 ? We lost the sub
> band 435 - 438 MHz anyway to commercial, "educational" & military
> satellites.

If 435-438 were lost in the States then that's the end of it world-wide.

Regions 2 and 3 (and Denmark!) have an Amateur Satellite Service allocation at 3400-3410MHz but the band is of no use until it's available in all 3 regions.

We haven't lost 435-438 in Europe, it always was part of the military 420-450MHz band as it is in the United States.

You mention that 435-438 has been "lost" to Commercial Interests. Which commercial interests are you refering to ?

73 Trevor M5AKA

4235. UKube-1

Yahoo group: eu-amsat
Date: 2011-03-22 21:28:14 UTC
From: John Hackett
Topic: 4235 Message: 4235

UKub-1 ... new & innovative my arse!.

when I was a snotty-nosed kid, the UK did have the chance to be innovative in space - but in their
infinate wisdom they scrapped the program.

Interestingly, one of the old coloniesnow has it's own successful space program, it's own GPS system
and it's own heavy launch vehicles ... maybe the boys at Leicester could ask India for some advice ???.

73 John. <la2qaa@...>

4236. Re: [eu-amsat] Re: A new threat to 70Cms.

Yahoo group: eu-amsat
Date: 2011-03-22 21:40:36 UTC
From: Thomas Frey
Topic: 4231 Message: 4236

Hello Trevor, Thanks for your answer

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> How does this bill threaten the IARU regions 1& 3 ? We lost the sub
>> band 435 - 438 MHz anyway to commercial, "educational"& military
>> satellites.
>>
> If 435-438 were lost in the States then that's the end of it world-wide.
>

Then I can not understand, why AMSAT organisations are not create a working group at IARU to represent their/our interests at ITU. This was an earlier idea here by me, without an answer.

> Regions 2 and 3 (and Denmark!) have an Amateur Satellite Service allocation at 3400-3410MHz but the band is of no use until it's available in all 3 regions.
>

OK, I see

> We haven't lost 435-438 in Europe, it always was part of the military 420-450MHz band as it is in the United States.
>
> You mention that 435-438 has been "lost" to Commercial Interests. Which commercial interests are you refering to ?
>

I had overdone a little bit. ;-) But the first commercial CubeSat was QuakeSat from QuakeFinder Corp. in California, launched at 30.06.2003. I think there are also a few other CubeSats with a commercial service we don't know about. We also don't know about the services from this Russian satellites with DOKA transponder on 435 MHz. Their services are no gifts, they are commercially I think.

If you have other informations, I'm open to learn.

> 73 Trevor M5AKA
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4237. ... and another one bites the dust ... (Queen).

Yahoo group: eu-amsat
Date: 2011-03-27 23:36:04 UTC
From: John Hackett
Topic: 4237 Message: 4237

Group,
I've dismantled my satellite station in sheer disgust at the atrocious standard of operating on the satellites these days.

I don't agree with the 'dumbing down' of amateur radio nor the tick-box mentality found in most areas of society today.

I wish you all well ... but personally, after 41 years, I've had enough.

73 John. ex: <la2qaa@...>

CC'd to the Amsat-bb for my friends across the pond.

4238. AW: [eu-amsat] ... and another one bites the dust ... (Queen).

Yahoo group: eu-amsat
Date: 2011-03-28 06:06:47 UTC
From: Mike Rupprecht
Topic: 4237 Message: 4238
Attachments: 2 described; binary payloads are missing from this source WARC

Dear John,

sorry to hear about that but I can fully understand you.

Anyway, some of us will miss you

Take care!

73 Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag
von John Hackett
Gesendet: Montag, 28. März 2011 01:36
An: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Betreff: [eu-amsat] ... and another one bites the dust ... (Queen).

Group,
I've dismantled my satellite station in sheer disgust at the
atrocious standard of operating on the satellites these days.

I don't agree with the 'dumbing down' of amateur radio nor the tick-box
mentality found in most areas of society today.

I wish you all well ... but personally, after 41 years, I've had enough.

73 John. ex: <la2qaa@...>

CC'd to the Amsat-bb for my friends across the pond.

4239. RE: AW: [eu-amsat] ... and another one bites the dust ... (Queen).

Yahoo group: eu-amsat
Date: 2011-03-28 09:52:08 UTC
From: John Hackett
Topic: 4237 Message: 4239

Hello Mike,
Thank you for your kind words. Actually, I've gone back to 100% QRP'ing - (G-QRP 74).

I started in Ham radio with a homebrewed HW-8 and have ZL confirmed with 2 watts (CW). I've just purchased the Ten-Tec 1320, I note that you have one too. I also had the original Argonaut when i lived
on Gossen Island and managed a SSB DXCC with that rig. A CW DXCC was worked with the HW-8. An RTTY one came later an a Swan 500C !!! ... clank ... clank ... clank ... (relays).

I'll stay maintaining the reflector, just in case HO-68 comes back on line. Alan said he'd look at it when
he gets back from the DX-pedition.

Hey! ... you never know, the operating might have improved by then ... and pigs! might fly ... he he he.

Oh well, if pigs did fly, the price of bacon would go up.

Keep in touch Mike.

73 John.

To: eu-amsat@yahoogroups.com
From: mail@...
Date: Mon, 28 Mar 2011 08:06:47 +0200
Subject: AW: [eu-amsat] ... and another one bites the dust ... (Queen).

Dear John, sorry to hear about that but I can fully understand you.Anyway, some of us will miss you … Take care!73 MikeDK3WN Von: eu-amsat@yahoogroups.com
[mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Montag, 28. März 2011 01:36
An: eu-amsat@yahoogroups.com
Cc: amsat-bb@...
Betreff: [eu-amsat] ... and another one bites the dust ... (Queen). Group,
I've dismantled my satellite station in sheer disgust at the atrocious standard of operating on the satellites these days.

I don't agree with the 'dumbing down' of amateur radio nor the tick-box mentality found in most areas of society today.

I wish you all well ... but personally, after 41 years, I've had enough.

73 John. ex: <la2qaa@...>

CC'd to the Amsat-bb for my friends across the pond.

4240. Re: [eu-amsat] ... and another one bites the dust ... (Queen).

Yahoo group: eu-amsat
Date: 2011-03-28 13:44:17 UTC
From: Luc Leblanc
Topic: 4237 Message: 4240

On 28 Mar 2011 at 1:36, John Hackett wrote:

Date sent: Mon, 28 Mar 2011 01:36:04 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] ... and another one bites the dust ... (Queen).
To: eu-amsat@yahoogroups.com
Copies to: amsat-bb@...
Send reply to: no_reply@yahoogroups.com

>
> Group,
> I've dismantled my satellite station in sheer disgust at the atrocious standard of operating on the satellites these days.
>
> I don't agree with the 'dumbing down' of amateur radio nor the tick-box mentality found in most areas of society today.
>
> I wish you all well ... but personally, after 41 years, I've had enough.
>
> 73 John. ex: <la2qaa@...>
>
> CC'd to the Amsat-bb for my friends across the pond.
>
Hi John

Just dismantle don't discard it. Even here the "new trend" seems to reach us:

From AMSAT-BB "The free of speech AMSAT-NA BB..."

The AO-51 repeater uplink was switched to 145.88 on the 2215 pass
tonight. I realize there are multiple grid dxpeditions out and about,
but that does not excuse some of the operating I heard tonight. If
another station is in the middle of a QSO, stand by and let them finish.
If you start to transmit and can't hear yourself, or you hear someone
else in the downlink, stop transmitting and let them make the call.
Finally, if you've worked that grid, or that station, or that country,
how about taking a breather and letting someone else work it for a new one.

73, Drew KO4MA
AMSAT VP Operations, and AO-51 Command Station

With a thigh workload schedule over here i have much less time to devote to satellite work but it will be a lesser job load to maintain the
satellite station than dismantling it here.

In the mean time i found myself some alternate activities HF digital voice and next Field Day station set up testing with vertical antennas

and Clansman PRC 320 british army transceiver (Falklands and 1st Gulf war era) experimenting XCVR brand that you probably already know.

Some project also for the next summer season and i just hope things will settled down to be able to enjoy satellite work again.

In the mean time keep the discussion group open it is a very viable alternative solution to the other one...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4241. IC-910 & CI-V

Yahoo group: eu-amsat
Date: 2011-03-28 14:20:16 UTC
From: rw3xl
Topic: 4241 Message: 4241

Hello, Group!
I have a question. Have IC-910 triband, how to change main or sub band via CAT command? For example: MAIN is 145500 and SUB 435500, I need change MAIN to 1260200. No idea for now. Manually I must push M/S button and hold it for about 1-2 seconds and band changed. I can "push" M/S via CAT, but can't "to hold" it via CAT. I have original instruction manual but can't find "band change" in the command list.

Igor, RW3XL

4242. Re: [eu-amsat] IC-910 & CI-V

Yahoo group: eu-amsat
Date: 2011-03-28 17:02:02 UTC
From: Thomas Frey
Topic: 4241 Message: 4242

rw3xl schrieb:
> Hello, Group!
> I have a question. Have IC-910 triband, how to change main or sub band via CAT command? For example: MAIN is 145500 and SUB 435500, I need change MAIN to 1260200. No idea for now. Manually I must push M/S button and hold it for about 1-2 seconds and band changed. I can "push" M/S via CAT, but can't "to hold" it via CAT. I have original instruction manual but can't find "band change" in the command list.
> ---
> Igor, RW3XL
>
>
>
Hello Igor

May this site help you? http://www.plicht.de/ekki/civ/civ-p4303-910.html

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4243. The reflector *WILL* stay open.

Yahoo group: eu-amsat
Date: 2011-03-28 20:47:17 UTC
From: John Hackett
Topic: 4243 Message: 4243

I want to thank several members of the group for their kind comments both on and off list.

Luc has convinced me to put my equipment on ice - (literally, in this QTH) - as opposed to getting rid of it.

This I will do Luc.

I'd like to thank in particular PY5LF, K5NRK, DK3WN, VE2DWE and SV1DJG. Like BIG Arnold says ...

"I'll be back!" ... and in the meantime ... this reflector *WILL* stay open.

73 John. <la2qaa@...>

4244. AW: [eu-amsat] The reflector *WILL* stay open.

Yahoo group: eu-amsat
Date: 2011-03-28 20:58:57 UTC
From: Mike Rupprecht
Topic: 4243 Message: 4244
Attachments: 2 described; binary payloads are missing from this source WARC

Nothing less would be expected from you ...

... looking forward to our next QSO :-)

73, Mike

DK3WN

Von: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] Im Auftrag von John Hackett
Gesendet: Montag, 28. März 2011 22:47
An: eu-amsat@yahoogroups.com
Betreff: [eu-amsat] The reflector *WILL* stay open.

I want to thank several members of the group for their kind comments both on and off list.

Luc has convinced me to put my equipment on ice - (literally, in this QTH) - as opposed to getting rid of it.

This I will do Luc.

I'd like to thank in particular PY5LF, K5NRK, DK3WN, VE2DWE and SV1DJG. Like BIG Arnold says ...

"I'll be back!" ... and in the meantime ... this reflector *WILL* stay open.

73 John. <la2qaa@...>

4245. Re: [eu-amsat] IC-910

Yahoo group: eu-amsat
Date: 2011-03-29 11:36:41 UTC
From: Blinov Igor
Topic: 4245 Message: 4245

Many thank's, Thomas!
It was easy... 05 and frequency data. It can be in any free band.

73!

4246. This one's for Luc.

Yahoo group: eu-amsat
Date: 2011-03-29 15:23:08 UTC
From: John Hackett
Topic: 4246 Message: 4246

Bonjour Luc,
I CC'd my e-mail about lousy operating practices to the Amsat-bb at the same time I posted it here. As yet (Tuesday afternoon) it's not appeared on the amsat-bb.

I assume it's being disected to see if there is any specific reference to Amsat-NA - (there isn't) - before it
will be allowed to grace their illustrious pages.

Censorship? ... Amsat? ... GERROFF !!!! ... in the country of free speech? ... err ...

73 John. <archie.hackett@...>

4247. Re: [eu-amsat] This one's for Luc.

Yahoo group: eu-amsat
Date: 2011-03-31 04:12:11 UTC
From: Luc Leblanc
Topic: 4246 Message: 4247

On 29 Mar 2011 at 17:23, John Hackett wrote:

Date sent: Tue, 29 Mar 2011 17:23:08 +0200
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] This one's for Luc.
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> Bonjour Luc,
> I CC'd my e-mail about lousy operating practices to the Amsat-bb at the same time I posted
> it here. As yet (Tuesday afternoon) it's not appeared on the amsat-bb.
>
> I assume it's being disected to see if there is any specific reference to Amsat-NA - (there isn't) - before it
> will be allowed to grace their illustrious pages.
>
> Censorship? ... Amsat? ... GERROFF !!!! ... in the country of free speech? ... err ...
>
> 73 John. <archie.hackett@...>
>
Hi John

In the country of free speech should be replace by the country of double standard.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4248. RE: [eu-amsat] This one's for Luc.

Yahoo group: eu-amsat
Date: 2011-03-31 10:01:55 UTC
From: John Hackett
Topic: 4246 Message: 4248

QSL Luc,
IMHO you're right!.

73 John. <la2qaa@...>

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Thu, 31 Mar 2011 00:12:11 -0400
Subject: Re: [eu-amsat] This one's for Luc.

On 29 Mar 2011 at 17:23, John Hackett wrote:

Date sent: Tue, 29 Mar 2011 17:23:08 +0200

From: John Hackett <archie.hackett@...>

Subject: [eu-amsat] This one's for Luc.

To: eu-amsat@yahoogroups.com

Send reply to: no_reply@yahoogroups.com

>

> Bonjour Luc,

> I CC'd my e-mail about lousy operating practices to the Amsat-bb at the same time I posted

> it here. As yet (Tuesday afternoon) it's not appeared on the amsat-bb.

>

> I assume it's being disected to see if there is any specific reference to Amsat-NA - (there isn't) - before it

> will be allowed to grace their illustrious pages.

>

> Censorship? ... Amsat? ... GERROFF !!!! ... in the country of free speech? ... err ...

>

> 73 John. <archie.hackett@...>

>

Hi John

In the country of free speech should be replace by the country of double standard.

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4249. Re: [amsat-bb] Re: -={Echo Madness}=-

Yahoo group: eu-amsat
Date: 2011-03-31 20:34:30 UTC
From: Luc Leblanc
Topic: 4249 Message: 4249

On 31 Mar 2011 at 10:41, George Henry wrote:

Date sent: Thu, 31 Mar 2011 10:41:13 -0700 (PDT)
From: George Henry <ka3hsw@...>
Subject: [amsat-bb] Re: -={Echo Madness}=-
To: AMSAT <amsat-bb@...>

> Further, AMSAT has the right to ban anyone from using the
> satellite, under penalty of law, just as a repeater owner can control who may
> use his repeater or any of its features.
>
>

"Under penalty of law" in the US you probably mean?

But what about the rest of the world?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4250. [amsat-bb] ARISSat-1 Activation 04/12

Yahoo group: eu-amsat
Date: 2011-04-07 22:08:16 UTC
From: st2nh
Topic: 4250 Message: 4250

Subject: [amsat-bb] ARISSat-1 Activation 04/12
From: Clint Bradford
Date: Thu, 07 Apr 2011 13:19:40 -0700

From AMSAT-NA -

The transmissions will begin on Monday 11 April 2011 at 14:30 UTC and continue until 10:30 UTC on 13 April 2011.

Due to the fact that the solar panels are covered, the satellite will be powered only by the onboard battery. The satellite will run in low power mode. This means that the transmissions will cycle ON/OFF. They will be ON for 40-60 seconds and OFF for 2 minutes.

145.950 MHz FM Downlink:
FM transmissions will cycle between a voice ID, select telemetry values, 24 international greeting messages in 15 languages and SSTV images. One of the messages will be a conversation between Yuri Gagarin and ground control.

145.919 MHz CW Beacon
The CW transmissions will be callsign ID, select telemetry, and callsigns of people actively involved with the ARISS program.

145.920 MHz SSB BPSK-1000 Telemetry
The BPSK transmissions will feature a new 1kBPSK protocol developed by Phil Karn, KA9Q to be readable in low signal level conditions. The BPSK data will transmit satellite telemetry. Free ground station soundcard demodulator and display software will be available.

Note that the linear transponder will not be active during this event

73 . Nader

4251. Forthcoming 50th Yuri Gagarin Anniversary

Yahoo group: eu-amsat
Date: 2011-04-08 07:28:23 UTC
From: allan_gm1sxx
Topic: 4251 Message: 4251

For anyone interested in the forthcoming fiftieth anniversary, 12th April, of the flight of Colonel Yuri Alekseyevich Gagarin, I can recommed this archive website.

http://www.russianarchives.com/search.php?q=Yuri+Gagarin

Kind Regards.
Al GM1SXX

4252. Unsubscription.

Yahoo group: eu-amsat
Date: 2011-04-10 08:29:04 UTC
From: John Hackett
Topic: 4252 Message: 4252

Group,
I've unsubscribed from the group - but have left it in the capable hands of GM1SXX.

FM satellites were bad enough but turning AO-7 into a 'contest' bird
was the straw for me - I bow out of Amsat with regret- (un)gracefully.

The @... address is no longer valid.

73 John. LA2QAA. <archie.hackett@...>

4253. Yuri Gagarine

Yahoo group: eu-amsat
Date: 2011-04-11 13:17:23 UTC
From: Luc Leblanc
Topic: 4253 Message: 4253

The CBC (RAdio Canada) french network aired a special program last sunday about the Gagarine flight (In french)

http://www.radio-canada.ca/audio-video/pop.shtml#urlMedia=http://www.radio-canada.ca/Medianet/2011/CBF/LesAnneeslumiere201104101305_1.asx

An english CBC program to be aired on tuesday
http://www.cbc.ca/quirks/

Animated graphic by AFP

http://news.sympatico.cbc.ca/world/yuri_gagarin_the_first_man_in_space/a35c030a

Browse on You Tube a lot of video there:

http://www.youtube.com/watch?v=az7HIi3zbUg&feature=related

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4254. Re: [amsat-bb] Re: The Need for Phonetics

Yahoo group: eu-amsat
Date: 2011-04-11 16:53:44 UTC
From: Luc Leblanc
Topic: 4254 Message: 4254

When a station does not copy my call sign or anything else i use any mean to have them understand if international phonetics does not work
i try something else period. Some called this the KISS way...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4255. Re: [amsat-bb] Frustration abt Arissat-1

Yahoo group: eu-amsat
Date: 2011-04-12 22:02:51 UTC
From: Luc Leblanc
Topic: 4255 Message: 4255

On 12 Apr 2011 at 17:45, Petr Pakr wrote:

Date sent: Tue, 12 Apr 2011 17:45:53 +0200 (CEST)
From: Petr Pakr <ok1in@...>
Subject: [amsat-bb] Frustration abt Arissat-1
To: amsat-bb@...

> Hallo NASA,
> maybye is time to tell - Arissat-1 have a problem. I feel that too much peoples loose too much time for nothing... :-(
> 73! Petr

Hi Petr

You probably say what we all know and do not want to tell...AMSAT-NA AND ARISS is censoring what they feel is not in line with what they
think is right to protect their image.

As usual it is a complete mess as nobody seems to control anything aside of babbling a lot of non sense.

I doubt you will see this message on AMSAT-NA that's why i crossed posted it on EU-amsat reflector where we are FREE to express our
opinions.

So much to say here and so few time to spent for nothing but i respect the courage of those of have guts to express and voice their
opinion.

AMSAT-NA is a poor and cheap organization who does not respect the freedom of speech of their constituent. There is no need to fund a so
poor managed group even if they are pretending a lot mostly fabulation and uncoordinated actions.

Just look at the ARISAT saga 5 different names for one satellite made in US but nor even launch or put in operation as schedule by he
Russian. I was on the air last night with a lot of poor soul sleep deprive awaiting the revelation but they probably feel asleep hoping for
the resurrection even if easter is in 2 weeks...

Another AMSAT-NA/ARISS special a lot of announcement ending with nothing...

POOR AMSAT-NA/ARRIS...AGAIN

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4256. ARISS MESS

Yahoo group: eu-amsat
Date: 2011-04-13 02:12:03 UTC
From: Luc Leblanc
Topic: 4256 Message: 4256

On 12 Apr 2011 at 21:32, sarex@... wrote:

From: Luc Leblanc <lucleblanc6@...>
To: sarex@...
Subject: ARISS MESS
Date sent: Tue, 12 Apr 2011 21:32:35 -0400

This is a second try to have this message pass through the AMSAT-NA censorship... just look at AMSAT-NA BB and you will see how open this
BB is.... Draw your own conclusion and feel free to come in a a country who have The Statue of Liberty as symbol of Freedom...

On 12 Apr 2011 at 17:45, Petr Pakr wrote:

Date sent: Tue, 12 Apr 2011 17:45:53 +0200 (CEST)
From: Petr Pakr <ok1in@...>
Subject: [amsat-bb] Frustration abt Arissat-1
To: amsat-bb@...

> Hallo NASA,
> maybye is time to tell - Arissat-1 have a problem. I feel that too much peoples loose too much time for nothing... :-(
> 73! Petr

Hi Petr

You probably say what we all know and do not want to tell...AMSAT-NA AND ARISS is censoring what they feel is not in line with what they
think is right to protect their image.

As usual it is a complete mess as nobody seems to control anything aside of babbling a lot of non sense.

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poor managed group even if they are pretending a lot... mostly fabulation and uncoordinated actions.

Just look at the ARISAT saga 5 different names for one satellite made in US but not even launch or put in operation as schedule by he
Russian. I was on the air last night with a lot of poor soul sleep deprive awaiting

the revelation but they probably feel asleep hoping for
the resurrection even if easter is in 2 weeks...

Another AMSAT-NA/ARISS special EG: a lot of announcement ending with nothing...

POOR AMSAT-NA/ARRIS...AGAIN

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4257. Ukraine Satellite Bands Lost

Yahoo group: eu-amsat
Date: 2011-04-13 18:25:31 UTC
From: m5aka
Topic: 4257 Message: 4257

Radio Amateurs in the Ukraine seem to have lost
1240-1300MHz,
2300-2450MHz,
5670-5850MHz,
10.15-10.5GHZ,
24.05-24.25GHz

As well as other HF and millimetric allocations, see
http://www.southgatearc.org/news/april2011/ukranian_rules.htm

73 Trevor M5AKA

4258. Re: [eu-amsat] Ukraine Satellite Bands Lost

Yahoo group: eu-amsat
Date: 2011-04-13 20:46:09 UTC
From: Thomas Frey
Topic: 4257 Message: 4258

m5aka schrieb:
> Radio Amateurs in the Ukraine seem to have lost
> 1240-1300MHz,
> 2300-2450MHz,
> 5670-5850MHz,
> 10.15-10.5GHZ,
> 24.05-24.25GHz
>
> As well as other HF and millimetric allocations, see
> http://www.southgatearc.org/news/april2011/ukranian_rules.htm
>
> 73 Trevor M5AKA
>
>
It's very important, that every HAM radio organisation has a good
relationship to its radio/communications regulator in its country.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4259. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-14 07:20:34 UTC
From: Luc Leblanc
Topic: 4259 Message: 4259

What was written about ARISsat-1

A+
> ARISSat-1 has no 430 MHz transmitter and the MRM2 has no amateur radio antenna.
>

B+
> this is why we did not hear it....they had the 430mhz transmitter turned
> on... was anyone listening to the 70cm frequency? all the preparations
> on 2m and we were in the wrong place.
>
C+
>ARISSat-1 only transmits on 2M. The ARISS team has arranged for the TM-D700
>transceiver aboard the ISS to also transmit the ARISSat signals on 437.55 MHz.

D+
>The Russians apparently weren't able to fulfill their planned ARISSat-1 schedule.
>I'm looking forward to hearing why they didn't activate.

E+
>I was monitoring the 437.550 downlink on all passes from April 11th until
>April 13th but nothing heard.

F+
>Yes, I had 3 radios going with one listening on 437.550 MHz. Nothing
>heard on any frequency.

G+
>ISS Status report for 4/13/2011 says:

>"...Dmitri performed hardware deactivation & close-out activities on the TEKh-43
>Radioskaf-B "Kedr" test microsatellite in the MRM2 Poisk module which had been
>connected to an 825M3 Orlan battery..."

H+
>The part of connecting it to an Orlan battery and 430MHz transmitter has me
>confused...

I+
>I'm really not sure what all the confusion over the last few days tells
>us. Prepared press releases full of mistakes, a complete lack of
>preparation

J+
>We have very little knowledge as to what the status of ARISSat is. There has been no
>word from the Russians.
>If any of the ARISS or AMSAT team has word. It will be published as quickly and as

>widely as we can do it.

A i wrote in another cencored post here A+B+C+D+E+F+G+H+I+J= Complete mess another failure at least from a communication standpoint.

As usual this post is also on the EU-AMSAT reflector

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4260. My last post never appear on AMSAT-BB???

Yahoo group: eu-amsat
Date: 2011-04-14 20:20:39 UTC
From: Luc Leblanc
Topic: 4260 Message: 4260

Just for the record i just sent a cross posted message on AMSAT-BB and on EU-AMSAT reflector see below:

On 14 Apr 2011 at 3:20, Luc Leblanc wrote:

Date sent: Thu, 14 Apr 2011 03:20:34 -0400
From: Luc Leblanc <lucleblanc6@...>
Subject: [eu-amsat] Re: ARISSat Deactivation
To: amsat-bb@...
Copies to: sarex@..., eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com
Priority: normal

It seems the above mentioned post never pass the AMSAT-NA censorship

Is this message violate: The Unacceptable Content criteria?

Unacceptable Content
Strong disagreements on issues are inevitable, but the AMSAT mailing lists are not the place for exchanges which become spiteful,
unproductive exchanges. If you must have a heated exchange, it should be conducted privately and not in public on a mailing list.
We define unacceptable content as anything that is:
o Illegal
o Insulting, abusive, harassing, or threatening
o Knowingly false or misrepresentative

Is it violating the:"Acceptable Content" criteria

Acceptable Content
We embrace diversity of opinions and values. In order to preserve a constructive environment, we do insist that messages contain
appropriate content and are respectful of the members and readers of the list.
All posts should include the author's first name and call sign, or full name if not currently licensed.
In general, messages for the AMSAT mailing lists should be related to amateur radio satellites. Examples of on-topic posts include:
o Announcements of general interest, including but not limited to AMSAT news, meetings, satellite availability, and DXpeditions.
o Technical discussions, including the physics of space flight, modulation techniques, satellite design, RF path loss calculations, noise
figure, etc.

I silently watch the AMSAT-BB since about 8 months now and i think it is time to escalate things a bit further up... It could be have an
impact soon somewhere just hope the hiding silent AMSAT-NA president will act as it seems to sleep on the switch...What another convenient

president for AMSAT-NA stiking to the glue paper instead to show up on the internet!!!.

"_"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4261. Re: [amsat-bb] Re: Carrying Arrow Sat antenna on airplane

Yahoo group: eu-amsat
Date: 2011-04-16 04:22:39 UTC
From: Luc Leblanc
Topic: 4261 Message: 4261

> <snip>
>
> > Has anyone had any issues trying to
> > carry an Arrow Sat antenna as a
> > carry on on a airplane? Am going to be doing some
> > traveling and would
> > like to take it along to make some contacts.
>
> Over a year ago, I flew on a domestic flight to another province. I partly disassembled my Arrow and put it into my suitcase as it was the easiest way for me to transport it.
>
> On the trip out, no questions. On the way back, the luggage inspector asked what it was as it showed up on the scan. He accepted my explanation when I told him I was a ham. Maybe he was simply curious, but I had my amateur radio certificate with me just in case I had to give more details.
>
> 73s
>
> Bernhard VA6BMJ @ DO33FL

In your checked bagage dismantle you arrow and put your elements in a 1"1/2 plastic (PVC) plumbing pipe cut to fit the longest element.
Seal both end with clear plactic bag in a way for the inspector to see through it. You can put fishing rod section wrap around the pipe it
will propbably not trigger enough questions in the inspector mind and he can let go your suitcase. I found the TSB search card in one of my
suitcase with the pipe one time and no question ask

For carry on follow an excellent suggestion made. Just pur your radio wires antenna in clear zip lock bag and put them in a separate
plastic search box. They want to see understand. One female inspector told me once when i asked her why my carry on suitcase has been
manually inspected, she told me it was not the stuff but the huge number of items who made them searching manually!!!

Put more bag with less stock in them it helps.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4262. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-21 10:49:58 UTC
From: allan_gm1sxx
Topic: 4259 Message: 4262

Hi Luc,

You can read the Arissat blog at..

http://www.arissat1.org/v3/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=126

This may answer some questions. There again, maybe not.
Have a look anyway.

Regards,
Al.
GM1SXX

4263. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-21 12:34:15 UTC
From: Thomas Frey
Topic: 4259 Message: 4263

allan_gm1sxx schrieb:
>
>
> Hi Luc,
>
> You can read the Arissat blog at..
>
> http://www.arissat1.org/v3/index.php?option=com_content&view=section&layout=blog&id=1&Itemid=126
>
> This may answer some questions. There again, maybe not.
> Have a look anyway.
>
>
> Regards,
> Al.
> GM1SXX
>
>
Hello Al

You can also read the report from sight of AMSAT:
http://www.amsat.org/amsat-new/images/fck_images/April_14_ARISSat_Status%282%29.pdf

There are also many speculations flowing around. My personal opinion
is AMSAT and NASA should cancel the partnership with RSC Energia. NASA
would be the better partner to AMSAT for new educational satellite
projects.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4264. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-21 15:06:49 UTC
From: allan_gm1sxx
Topic: 4259 Message: 4264

Hi Group.

Well, look on the bright side. At least ARISSAT has made it into LEO. That has to be a positive thing, surely? Soon RKK/RSC Energia will be the only game in town, to get people into space, not forgetting the fact that they also launch cargo to the ISS. Surely nny opportunity for satellite launches has to be better than none?

ARISSAT is quite a large bird by today's shrinking standards, so to get a launch at all, was no mean feat. The Progress cargo vehicle is not a large craft. We should be very grateful for the launch opportunity.

73 Al.
GM1SXX

4265. AMSAT INDIA April 2011 Newsletter

Yahoo group: eu-amsat
Date: 2011-04-21 16:34:43 UTC
From: Nitin Muttin [VU3TYG]
Topic: 4265 Message: 4265

The April 2011 issue of the AMSAT-INDIA newsletter is now available for free download.

Topics in this month's edition include:

- Update on the Technical talk held on April 17th
- Update on the CubeSat Communication system project by AMSAT INDIA.
- News from AMSAT organisations around the world

Download the newsletter from
http://amsatindia.org/Newsletter/AMSATINDIA-News-April2011.pdf

Previous issues are available at:
http://www.amsatindia.org/Newsletter/

Regards

Nitin [VU3TYG]
Secretary, AMSAT India
vu3tyg@...
www.amsatindia.org

4266. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-21 16:40:49 UTC
From: Thomas Frey
Topic: 4259 Message: 4266

allan_gm1sxx schrieb:
>
> Hi Group.
>
> Well, look on the bright side. At least ARISSAT has made it into LEO. That has to be a positive thing, surely? Soon RKK/RSC Energia will be the only game in town, to get people into space, not forgetting the fact that they also launch cargo to the ISS. Surely nny opportunity for satellite launches has to be better than none?
>
> ARISSAT is quite a large bird by today's shrinking standards, so to get a launch at all, was no mean feat. The Progress cargo vehicle is not a large craft. We should be very grateful for the launch opportunity.
>
> 73 Al.
> GM1SXX
>
>

Hmmm... I don't agree. If you have a partner in this business who disregards agreements, its better you look for a new one, also for just a HAM satellite. The OM's had invested time and sweat to build ARISSat. Otherways we have a satellite with an empty battery in orbit. That is not a positive thing. AMSAT-NA has a partner in NASA and ESA is also a player in transportation to the ISS with their ATV's on an Ariane-5 (http://en.wikipedia.org/wiki/Edoardo_Amaldi_ATV).

OK, RSC Energia sends more vehicles to the ISS than ESA, but AMSAT-NA is not building a satellite every month. If you concentrate you to only one launch agency you will miss another one.

The financial aspects are not respected in my thoughts.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4267. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-04-21 21:53:54 UTC
From: m5aka
Topic: 4259 Message: 4267

In financial term rcs-energia must have contributed the equivalent of 150,000 Euros for the launch costs of ARISSat-1 and will hopefully also fund the launch of the others. In addition they are also providing the time of their personel both on the ground and in the ISS.

We can but hope there will be a satisfactory outcome in July.

4268. SDR satellite reception!

Yahoo group: eu-amsat
Date: 2011-02-11 20:09:02 UTC
From: Dimitrios Pallis
Topic: 4189 Message: 4268

hello all from greece

this is a video with Vo52 reception using G59 SDR and a Tentec 1210 2m -10m Transverter

http://www.youtube.com/watch?v=MAIh2bOs34I

73 de SW1JGW

Dimitrios Jimmy Pallis

http://sw1jgw.50webs.com/

To: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Fri, 11 Feb 2011 09:32:08 -0500
Subject: Re: [eu-amsat] ARISSat-1

On 11 Feb 2011 at 14:47, John Hackett wrote:

Date sent: Fri, 11 Feb 2011 14:47:19 +0100
From: John Hackett <archie.hackett@...>
Subject: [eu-amsat] ARISSat-1
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

>
> ARISSat will always be below my horizon so it's a non-starter for me.
>
> If the world were flat, I would see an occasional 2 degrees elevation - but it's not - so I wont.
>
> Mountain peaks in Norway (depending how near you are to the base) can be 18 degrees elevation.
>
> Ask Pythagorus ... 540 BC.
>
> The square on the hypotenuse is equal to the square of the sum of the other two sides.
>
> NB.
>
> Why the ISS isn't 'crawling' with Norwegians.
>
> It has more do do with geography and orbits rather than idle LA stations.
>
> 73 John. <la2qaa@...>

Hi John

As always i have a solution for you.

http://www.youtube.com/watch?v=pX2r0ddUqsw

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4269. Re: [amsat-bb] Re: ICOM Giving Away D-Star Repeaters

Yahoo group: eu-amsat
Date: 2011-04-22 21:18:20 UTC
From: Luc Leblanc
Topic: 4269 Message: 4269

> If you really knew what you were talking about you wouldn't be talking.
>
> Jeff Moore -- KE7ACY
>
> ----- Original Message ----- From: "Gordon JC Pearce" <gordonjcp@...>
> [snip]
> I know DStar appeals to the emcomm morons who like to play at being
> police dispatchers, but it's not really amateur radio. [snip for
> intelligence]
>
> Gordon MM0YEQ
>

I agree with Gordon but his "emcomm morons who like to play at being
police dispatchers" are more related to an amateur radio operator than the type of
modulation or system he used.

It can be a SSB HF moron, a CW HF moron, a VHF/UHF FM repeater moron and so on.

What's reflect the intelligence level is not related to DSTAR protocol as we can all see :)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4270. Second Call for Speakers for AMSAT UK Colloquium 2011

Yahoo group: eu-amsat
Date: 2011-05-10 16:45:15 UTC
From: David Johnson
Topic: 4270 Message: 4270

Hi All,

This is the second call for speakers for the AMSAT-UK Colloquium 2011
which will be held at the Holiday Inn, Guildford, UK
(same venue as in 2010) from *Sat 30 Jul to Sun 31 July 2011*

AMSAT-UK invite speakers, about amateur radio, space and associated
activities, for this event.

Offers of talks should be sent *ONLY* to G4DPZ, via the following routes:

e-mail: david.johnson AT blackpepper.co.uk

SnailMail: QTHR fromwww.QRZ.com

Likewise if anyone knows of a good speaker, please send contact and other
information to G4DPZ.

73

Dave
G4DPZ

4271. AMSAT-UK FUNcube Dongle at AMSAT-DL Symposium

Yahoo group: eu-amsat
Date: 2011-05-12 20:39:39 UTC
From: m5aka
Topic: 4271 Message: 4271

There will be a presentation titled 'Fun-Cube and the amateur radio dongle' given by Jim Heck, G3WGM (AMSAT-UK) at this years AMSAT-DL Symposium.

The Symposium and AGM takes place on Saturday, May 14, in the radome of the 20m antenna at Bochum, Germany.

Symposium information with full list of speakers is at
http://tinyurl.com/AMSAT-DL-AGM2011

Peter, DB2OS, says visitors to the symposium are welcome.

73 Trevor M5AKA

4272. HO68

Yahoo group: eu-amsat
Date: 2011-05-14 05:30:51 UTC
From: yo9gjx
Topic: 4272 Message: 4272

Any info about HOPE?
It's turned off or malfunction?

4273. Re: [eu-amsat] HO68

Yahoo group: eu-amsat
Date: 2011-05-14 12:14:14 UTC
From: Thomas Frey
Topic: 4272 Message: 4273

yo9gjx schrieb:
> Any info about HOPE?
> It's turned off or malfunction?
>
>
>
HO-68 has a malfunction. Lets hope for informations after the Dayton Hamvention. A Chinese CAMSAT delegation is there.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4274. AMSAT INDIA May 2011 Newsletter available

Yahoo group: eu-amsat
Date: 2011-05-16 08:23:53 UTC
From: Nitin Muttin
Topic: 4265 Message: 4274

The May 2011 issue of the AMSAT-INDIA newsletter is now available for free download.

Topics in this month's edition include:

- HAMSAT (VO-52) Completes Six years in orbit.
- Update- Meeting with distinguished guests from ISRO at AMSAT INDIA ground station.
- Update on the CubeSat Communication system project by AMSAT INDIA.

- High Intercept Low Noise Amplifier with GaAs pHEMT MMIC By: Goran Popovic AD6IW

- News from AMSAT organizations around the world

Download the newsletter from
http://amsatindia.org/Newsletter/AMSATINDIA-News-May_2011.pdf

Previous issues are available at:
http://www.amsatindia.org/Newsletter/

Regards

Nitin [VU3TYG]
Secretary, AMSAT India
vu3tyg@... <mailto:vu3tyg%40amsatindia.org>
www.amsatindia.org

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1325 / Virus Database: 1500/3640 - Release Date: 05/15/11

4275. Re: [amsat-bb] Re: IARU-R1 to Discuss Problem of D-STAR Repeaters in Sat Band

Yahoo group: eu-amsat
Date: 2011-05-18 07:36:45 UTC
From: Luc Leblanc
Topic: 4275 Message: 4275

On 17 May 2011 at 23:14, Lee Maisel wrote:

Date sent: Tue, 17 May 2011 23:14:25 -0600
From: Lee Maisel <maisel@...>
Subject: [amsat-bb] Re: IARU-R1 to Discuss Problem of D-STAR Repeaters in Sat Band
To: AMSAT-BB@...

> As far as I can tell, D-Star is counter to the whole Amateur radio
> philosophy. I havent really wanted to have anything to do with it, and
> after hearing this, I'm even more convinced.
>

I was for years in the past warning satellites amateur radio operators to push for a HEO amateur satellite as many other satellite users.
There was 2 main reason for this:

The first one was to replace AO40. The second one was to offer a sustainable space amateur communication platform. As off today only AMSAT-DL is working toward this option. AO-51 is at the end of his life with no replacement solution actually in space. On the table only the same old solution another LEO. The debate over HEO vs LEO was largely debated on this BB and on other discussion forum, but remain on indisputable reality Amateur satellite frequencies are more and more used by non amateur group for only short term experiment with satellite unable to sustain long period of operation or only used to collect data from various experiment.

On earth in the mean time there is a lot of activity growing around various digital communication system lets say it is what's is cool now in the amateur radio world. We can be for or against it but only speaking about DSTAR a revolution is slowly growing attracting more and more peoples with the need of more frequencies as recently seen in Italy and it seems that the fact a frequency was used for satellite work does not matter much folks who decided to setup their machine right on the ISS downlink frequency!!!

I make the second recorded test on an amateur radio satellite using DSTAR on AO-27 see my web page www.qsl.net/ve2dwe

I'm actually involved in the DSTAR development here in Quebec and the pace of growth of this new mode is constant and the new features of DSTAR are coming each and every day. DGPRS, High speed data transfer and so on.
There is a huge potential on DSTAR to interface earth and space communication even making mobile operation possible.

What's is limiting DSTAR development is our imagination and skills. I repeat what i wrote in the past if the amateur satellite community
does not innovate and want's to remain always in the same track, we will assist sooner or later at the end of this part of our hobby.

I was very critical about ways the AMSAT'S group where conducting their business i still was and time is only confirming what i was
writing. AMSAT France has been dissolved and many other are not operating any more. Who need an AMSAT group where no satellite are
available to communicate?

I just noted about 30 amateur radio equipment setup for sale in the past 12 months. When a group is controlling the information from his
constituents it is the first sign of their weakness and vulnerability refusing to listen and refusing to evoluate will only lead to their
demise and it's already happening.

Instead to be against everything aside of the party line it will be wise to go further than official mind set..

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4276. New file uploaded to eu-amsat

Yahoo group: eu-amsat
Date: 2011-05-23 06:34:01 UTC
From: eu-amsat@yahoogroups.com
Topic: 66 Message: 4276

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the eu-amsat
group.

File : /Tape Measure Tape Antennas/ReadMeFirst.rtf
Uploaded by : g_fletcher_2003 <familyfletcher1@...>
Description : Please This file First

You can access this file at the URL:
http://groups.yahoo.com/group/eu-amsat/files/Tape%20Measure%20Tape%20Antennas/ReadMeFirst.rtf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

g_fletcher_2003 <familyfletcher1@...>

4277. Tape Measure Tape Antennas

Yahoo group: eu-amsat
Date: 2011-05-23 06:41:58 UTC
From: g_fletcher_2003
Topic: 4277 Message: 4277

Dear All

I have been playing with tape measure steel tape and using it to make useable, cheap hand held beam antennas for working the FM satellites.

I have up-loaded 10 files to the folder:
"Tape Measure Tape Antennas".

Please read "ReadMeFirst" before opening the folders.

Please NOTE the CAUTION about using "Tape Measure Tape" before trying to make any of the antennas.

Otherwise ENJOY!

Graham G7TEG

4278. Re: Tape Measure Tape Antennas

Yahoo group: eu-amsat
Date: 2011-05-23 07:44:55 UTC
From: allan_gm1sxx
Topic: 4277 Message: 4278

Hi Graham.

Tape measure yagis certainly work well. I use them myself. I also find them good for /P ops in the local hills. They are cheap and have plenty of uses. Safety first of course, when handling the sharp springy tape measure material.
Thanks for the input.

73 Al.
GM1SXX

--- In eu-amsat@yahoogroups.com, "g_fletcher_2003" <familyfletcher1@...> wrote:
>
> Dear All
>
> I have been playing with tape measure steel tape and using it to make useable, cheap hand held beam antennas for working the FM satellites.
>
> Graham G7TEG

4279. Update on P3-E and P5 Amateur Radio satellites

Yahoo group: eu-amsat
Date: 2011-05-23 12:34:22 UTC
From: Thomas Frey
Topic: 4279 Message: 4279

Peter DB2OS has provided an update on progress with the P3-E and the P5 Moon and Mars orbiter Amateur Radio satellites:

http://www.southgatearc.org/news/may2011/p3e_p5_update.htm

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4280. HO-68 info

Yahoo group: eu-amsat
Date: 2011-05-23 18:26:34 UTC
From: Thomas Frey
Topic: 4280 Message: 4280

Hello All

The following is from AMSAT-BB:

> did CAMSAT have anything realistic to say about HO-68 ?
>
> Yes, Alan Kung, BA1DU and CEO of CAMSAT was one of the speakers at the
> AMSAT Forum. He reported that HO-68 is suffering from a bad relay or
> relay driver that is used to switch from the beacon to the
> transponder. The likelihood of recovery is low, but not zero. As my
> schedule permits, I plan to post Alan's very informative presentation
> on the AMSAT web site. Watch for an announcement from ANS (the AMSAT
> News Service).
>
> Here is the explanation from Alan's slide. Since I have a copy of his
> presentation, these are exact quotes, not my interpretation:
>
> -- The current situation is the transponders will be difficult to
> switch the RF PA from beacon mode to transponder mode
>
> -- The RF relay or its drive circuit is failing, it is a stick relay.
> Probability of success of switch is probably a few tenth
>
> -- On the other hand, up to now the both solar and lithium-ion
> batteries are in very nice condition
>
> -- The exhibitions of the thermal-control, onboard flight computer and
> TT&C are also excellent.

HOPEfully HO-68's transponder is not lost, but I'm pessimistic. :-(

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4281. Re: HO-68 info

Yahoo group: eu-amsat
Date: 2011-05-23 23:42:09 UTC
From: m5aka
Topic: 4280 Message: 4281

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> HOPEfully HO-68's transponder is not lost, but I'm pessimistic. :-(

Oscar-11 was believed lost for many months after it's launch but it was eventually recovered and went on to give many years of useful life.

Lets hope they can find a resolution. Perhaps they can find a way to get it stuck in Linear Transponder mode instead 8-)

Whatever the outcome the important thing is that the CAMSAT team will have identified a weak spot in the design and will be able to address that issue on the next CAMSAT payload to be launched.

73 Trevor M5AKA

4282. Re: [amsat-bb] Re: Interference from repeaters

Yahoo group: eu-amsat
Date: 2011-05-24 13:58:24 UTC
From: Luc Leblanc
Topic: 4282 Message: 4282

On 24 May 2011 at 13:34, g.shirville@... wrote:

Date sent: Tue, 24 May 2011 13:34:54 +0100
From: g.shirville@...
Subject: [amsat-bb] Re: Interference from repeaters
To: i8cvs <domenico.i8cvs@...>, Richard Ferryman <g4bbh@...>,
Amsat - BBs <amsat-bb@...>

> Hi Domenico,
>
> Uum not quite - The Austrian conference paper refers only to repeaters that
> have been established INSIDE the segment of the band allocated to satellite
> operation ie above 145.800MHz.
>
> The RV63 145.7875MHz operation has come as a result of the adoption of
> 12.5kHz channel spacing for 2 metre repeaters back in the mid 90's. Before
> that time the highest repeater output frequency was 145.775MHz - albeit
> with a higher deviation than now of course.
>
> Here in the UK we have seven FM units and one DSTAR unit on RV63
> http://www.ukrepeater.net/channels/rv63.htm
>
> cheers
>
> Graham
> G3VZV
>

Our local Ham club is actually involved in the DSTAR revolution and we change one of our analog repeater to a DSTAR repeater without the
need to get a new pair of frequencies. It is not always possible to do so due to local reality. In some location some repeater are not
using CTCSS tone and they a subject to interference from a digital repeater even those protected can suffer the same issues.

This issue should be resolve with the national amateur association in a way to inform first and coordonate as far possible theses new
repeater.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4283. FUNcube at AMSAT-UK Colloquium July 30-31

Yahoo group: eu-amsat
Date: 2011-05-25 23:36:06 UTC
From: m5aka
Topic: 4283 Message: 4283

The 26th AMSAT-UK International Space Colloquium will be held on the weekend of July 30-31 at the Holiday Inn Hotel, Guildford, close to the University of Surrey. A special beginner's session is planned for Friday afternoon July 29.

Among the presentations will be talks on the FUNcube satellite and the FUNcube Dongle Software Defined Radio.

In additional to the lecture stream there will be the GB4FUN Mobile Communications Centre, AMSAT-UK shop, a Saturday night Gala dinner, auction and raffle.

The event is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available.

Further details are available on the AMSAT-UK website at

http://www.uk.amsat.org/

73 Trevor M5AKA

4284. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-07 12:30:28 UTC
From: Marco IK1ODO -2
Topic: 4259 Message: 4284

Hi all,

any news about ARISSat-1 ?

73 - Marco IK1ODO

4285. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-07 13:22:35 UTC
From: allan_gm1sxx
Topic: 4259 Message: 4285

--- In eu-amsat@yahoogroups.com, Marco IK1ODO -2 <ik1odo@...> wrote:
>
> Hi all,
>
> any news about ARISSat-1 ?
>
> 73 - Marco IK1ODO
>

Hi Marco.

Try the official website...
http://www.arissat1.org/v3/

That is as much news as I know.

73 Al.
GM1SXX

4286. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-07 13:23:43 UTC
From: Thomas Frey
Topic: 4259 Message: 4286

Marco IK1ODO -2 schrieb:
> Hi all,
>
> any news about ARISSat-1 ?
>
> 73 - Marco IK1ODO
>
>
Look here:
http://www.southgatearc.org/news/june2011/arissat1_reception_challenge.htm

But its not really new.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4287. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-07 13:29:52 UTC
From: Marco IK1ODO -2
Topic: 4259 Message: 4287

At 15:22 07-06-11, allan_gm1sxx wrote:
>Hi Marco.
>
>Try the official website...
><http://www.arissat1.org/v3/>http://www.arissat1.org/v3/

I did

At 15:23 07-06-11, Thomas Frey wrote:

>Look here:
><http://www.southgatearc.org/news/june2011/arissat1_reception_challenge.htm>http://www.southgatearc.org/news/june2011/arissat1_reception_challenge.htm
>
>But its not really new.

That's the point... total silence in last eight weeks. I hoped that
someone had better news.

Marco IK1ODO

4288. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-07 17:10:31 UTC
From: Thomas Frey
Topic: 4259 Message: 4288

Marco IK1ODO -2 schrieb:
>
>
> At 15:22 07-06-11, allan_gm1sxx wrote:
>> Hi Marco.
>>
>> Try the official website...
>> http://www.arissat1.org/v3/
>
> I did
>
> At 15:23 07-06-11, Thomas Frey wrote:
>
>> Look here:
>> http://www.southgatearc.org/news/june2011/arissat1_reception_challenge.htm
>>
>>
>> But its not really new.
>
> That's the point... total silence in last eight weeks. I hoped that
> someone had better news.
>
> Marco IK1ODO
>

Marco, I see "Deactivation" in your title now. The Russian ARISS-Team
said the Satellite is stored in the ISS and the battery is disconnected
and stored in an other place inside ISS. The battery is also in a good
health, its all OK. The release into orbit is planned for 26. July 2011.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4289. ARISSat

Yahoo group: eu-amsat
Date: 2011-06-07 17:15:33 UTC
From: Marco IK1ODO -2
Topic: 4259 Message: 4289

At 19:10 07-06-11, HB9SKA wrote:

>Marco, I see "Deactivation" in your title now.

Sorry, I used an old post to continue the thread. I changed it now.

>The Russian ARISS-Team
>said the Satellite is stored in the ISS and the battery is disconnected
>and stored in an other place inside ISS. The battery is also in a good
>health, its all OK. The release into orbit is planned for 26. July 2011.

Ok, that's very good. Thanks for info, Thomas!

73 - Marco IK1ODO

4290. PstRotator can now accept Az/El data from Gpredict

Yahoo group: eu-amsat
Date: 2011-06-11 12:33:18 UTC
From: Codrut
Topic: 4290 Message: 4290

The PstRotator program can now accept Az/El data from Gpredict.
PstRotator is a program for antenna rotators control, and can be downloaded from
http://www.qsl.net/yo3dmu/index_Page346.htm

Gpredict Windows version can be downloaded from
http://sourceforge.net/projects/gpredict/files/Gpredict/

The communication between programs is TCP/IP, so the programs can run on the same PC, or on different PCs in a network.

PstRotator settings: select Gpredict as Tracker, and set the Tracking mode. The default IP port is 4533, but can be changed from "Setup/Trackers Setup/Gpredict Setup...".

Gpredict settings: "Edit/Preferences/Interfaces/Rotators". Add a rotator and set "localhost" to Host if tha programs run on the same computer, or the computer IP where the PstRotator is running if this is not on the same PC.

Go to "Module options / Shortcuts" (you can find it to the up & right corner of the main Gpredict window) and open the "Antenna Control" window. Press the "Engage" button to connect Gpredict to PstRotator.
For satellites tracking select a satellite in view and press the "Track" button.

4291. Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-11 17:06:04 UTC
From: m5aka
Topic: 4259 Message: 4291

--- In eu-amsat@yahoogroups.com, Marco IK1ODO -2 <ik1odo@...> wrote:
> That's the point... total silence in last eight weeks. I hoped that
> someone had better news.

Hi Marco,

I'm not expecting to hear anything until a few days before the space walk.

Keep an eye on the itinerary for the space walk which should be available at some point on the NASA and probably also Roscosmos websites.

For the February space walk the deployment of Kedr (ARISSat-1) appeared in the itinerary up until the day before the walk when it was removed.

73 Trevor M5AKA

4292. Re: [eu-amsat] Re: ARISSat Deactivation

Yahoo group: eu-amsat
Date: 2011-06-12 16:54:07 UTC
From: Marco IK1ODO
Topic: 4259 Message: 4292

Hello Trevor,

ok, thanks for info. Will keep a look.

Marco IK1ODO

At 19:06 11/06/2011, you wrote:
>
>
>--- In <mailto:eu-amsat%40yahoogroups.com>eu-amsat@yahoogroups.com,
>Marco IK1ODO -2 <ik1odo@...> wrote:
> > That's the point... total silence in last eight weeks. I hoped that
> > someone had better news.
>
>Hi Marco,
>
>I'm not expecting to hear anything until a few days before the space walk.
>
>Keep an eye on the itinerary for the space walk which should be
>available at some point on the NASA and probably also Roscosmos websites.
>
>For the February space walk the deployment of Kedr (ARISSat-1)
>appeared in the itinerary up until the day before the walk when it
>was removed.
>
>73 Trevor M5AKA

4293. New AMSAT-UK Website

Yahoo group: eu-amsat
Date: 2011-06-16 10:32:49 UTC
From: m5aka
Topic: 4293 Message: 4293

AMSAT-UK has a new website developed by Dominic Hawken G6NQO, the new webmaster is Rob Styles M0TFO.

The site features links to the new AMSAT-UK Online shop run by Ciaran Morgan, M0XTD. The online shop carries a range of hardware items/projects and software suitable for Amateur Radio Satellite activities as well as the ability to join/renew your membership to AMSAT-UK.

Visit the new site at
http://www.uk.amsat.org/

The AMSAT-UK International Colloquium takes place July 30-31. The event is open to all and further information can be found at
http://www.uk.amsat.org/colloquium-2011

AMSAT-UK publishes a color A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at http://tinyurl.com/JoinAMSAT-UK

---
73 Trevor M5AKA

4294. Re: [amsat-bb] Re: ISS HRD

Yahoo group: eu-amsat
Date: 2011-06-17 01:04:40 UTC
From: Luc Leblanc
Topic: 4294 Message: 4294

As usual i crossed posted this one to the AMSAT-EU reflector as it will SURELY not pass on AMSAT-BB. as it is not in favour of AMSAT-NA...

So many deception on so numerous volunteers who wants to help but turned down as their skills was not enough... Just read the following
one...

>After 25 years continuous employment by the Institute for Defense Analyses,
>I am moving on. I have an exciting new position at Va. Tech. and will be
>back in four land starting next week.

> http://www.vtnews.vt.edu/articles/2011/06/061511-engineering-mcgwierhumedirector.html

But for an AMSAT-NA Filthy Few all goes even autoself recognition lets call self auto satisfaction :)

I don't know what will be the discussion topics when AO-51 stops working on AMSAT-BB? GRID chasing on linear birds? a disguised CB 21st
century trend? It will at least force people to evolved from cloths hanger station to AMSAT CLASS station! And don't get me wrong i have
nothing against cloths hanger;)

On 16 Jun 2011 at 20:02, Gordon JC Pearce wrote:

Date sent: Thu, 16 Jun 2011 20:02:49 +0100
From: Gordon JC Pearce <gordonjcp@...>
Subject: [amsat-bb] Re: ISS HRD
To: amsat-bb@...

> On Thu, 2011-06-16 at 02:42 -0400, STeve Andre' wrote:
>
> > > Several people (including) have offered to fix or rewrite the amsat.org
> > > site, even for free. Instead they're all too busy with their HEO
> > > cargo-cult.
> > >
> > > Gordon MM0YEQ
> >
> > Offer again, in public? Like, here?
> >
> > --STeve Andre'
> > wb8wsf en72
>
> Having done so and been rebuffed, I'm not inclined to do so again - even
> if I had the time to do so. Any time I spend on computery amateur radio
> stuff is given over to writing some APRS software for Linux, an area
> which is sadly lacking (although Windows isn't much better).
>

> Gordon MM0YEQ
>
> _____

P.S. Self auto congratulations is not limited to AMSAT-NA BOD folks we are struggling for years with the same issue here locally and it's
not a piece of cake...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4295. Istanbul Linear Transponder Satellite

Yahoo group: eu-amsat
Date: 2011-06-22 09:30:34 UTC
From: m5aka
Topic: 4295 Message: 4295

The Istanbul Technical University have submitted a frequency coordination request with IARU for a 50 kHz bandwidth V/U linear transponder satellite TURKSAT-3USAT. They indicate a launch in 2012, see

http://www.southgatearc.org/news/june2011/turksat_3usat.htm

73 Trevor M5AKA
Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/
Email Your News To: editor at southgatearc.org
Or Upload At: http://www.southgatearc.org/news/your_news_1.htm
---

4296. FAST1 Status report over Europe at 18:07 UTC

Yahoo group: eu-amsat
Date: 2011-06-25 18:15:49 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4296 Message: 4296

Hello All,

Fastrac-1 heard, beacon active each 3 minutes, tried to digipeat without success!

Does anyone know what is the path for digipeat? Do you think it will be activated over Europe?

Greetings,

EA1JM, Fran

Fm EA1JM-6 To APRS Via FAST1 <UI pid=F0 Len=40 >[20:06:46]

=4054.17N/00511.97W`ea1jm.fran@...

Fm FAST1 To BEACON <UI pid=F0 Len=123 >[20:07:20]

F11001641583629.962191960446.74 -4717286.85 +4819604.31 +4407.26359 -3238.96974 -4970.40783+0BBBBBBBBBBBBBBBBBBBBBBBBBBBB

Fm EA1JM-6 To APRS Via FAST1 <UI pid=F0 Len=40 >[20:07:58]

=4054.17N/00511.97W`ea1jm.fran@...

4297. ARISSat-1 status

Yahoo group: eu-amsat
Date: 2011-06-27 16:07:37 UTC
From: Thomas Frey
Topic: 4297 Message: 4297

See under point 5. https://www.rac.ca/ariss/arisstel2011-06-21.htm

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4298. Re: [eu-amsat] ARISSat-1 status

Yahoo group: eu-amsat
Date: 2011-06-27 19:15:41 UTC
From: Marco IK1ODO
Topic: 4297 Message: 4298

At 18:07 27/06/2011, you wrote:
>
>
>See under point 5.
><https://www.rac.ca/ariss/arisstel2011-06-21.htm>https://www.rac.ca/ariss/arisstel2011-06-21.htm

Thanks for info, Thomas

Marco IK1ODO

4299. Re: ARISSat-1 status

Yahoo group: eu-amsat
Date: 2011-07-01 21:58:34 UTC
From: m5aka
Topic: 4297 Message: 4299

"pending any delays due to the Shuttle launch schedule"

Which indicates there could be a shift from the July date.

73 Trevor M5AKA

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> See under point 5. https://www.rac.ca/ariss/arisstel2011-06-21.htm
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

4300. Re: [amsat-bb] Re: FW: A Proposal for ARISS

Yahoo group: eu-amsat
Date: 2011-07-02 02:19:54 UTC
From: Luc Leblanc
Topic: 4300 Message: 4300

On 1 Jul 2011 at 21:59, Anthony Monteiro wrote:

Date sent: Fri, 01 Jul 2011 21:59:14 -0400
From: Anthony Monteiro <aa2tx@...>
Subject: [amsat-bb] Re: FW: A Proposal for ARISS
To: "Edward R. Cole" <kl7uw@...>, amsat-bb@...

> Dear Friends,
>
> It is important to understand that ARISS is not AMSAT.
>

Sorry to tell you they obey by the same undemocratic values and they are speech freedom violators at his utmost extreme as the rest of a
part of their originating nations and they want us to call them HAM!!!

They finally block all my post to AMSAT-BB and SAREX@... and the rest or vice versa. I don't know what you will commemorate on the
next 4th of July but surely not a free nation...

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4301. Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-11 16:44:15 UTC
From: Thomas Frey
Topic: 4301 Message: 4301

Hello All

See the interesting entry at IARU about Edusat:
http://www.amsatuk.me.uk/iaru/informal_detail.php?serialnum=202

The last 2 mutations are

"**It was planned to deploy the MyPocketQubs, the two Eagle payloads
and the ScoutQub sometime after launch, but it is understood that this
test will now be undertaken by a later UniSat-5 spacecraft**"

and

"**Understood to be 9k6 GMSK using a proprietary system.**"

Does the Italian ministry of communications not understand what
Amateur Radio is ??

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4302. Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-12 07:33:29 UTC
From: allan_gm1sxx
Topic: 4301 Message: 4302

Thomas said...

> "**Understood to be 9k6 GMSK using a proprietary system.**"
> Does the Italian ministry of communications not understand what
> Amateur Radio is ??

What is the problem with being proprietary, Thomas? It's not illegal.

Does that mean that Thomas also disapproves of the very popular and widespread D-Star?

I don't believe there is anything in the amateur radio 'rulebook' that outlaws the use of proprietary protocols, only 'secret codes'. Being proprietary does not constitute a secret code, although of course a CW Ident would be nice.

AMBE, used in D-STAR is proprietary, and I don't hear many complaints about that, except for the usual complaint that ' it is not in the spirit of amateur radio'. This is something I heartily agree with, so I for one choose not to use D-Star. It's a free world. After all, we can choose to boycott such a protocol if we personally don't approve. You don't have to buy into it. I choose not to use D-Star because it is not in the spirit of amateur radio. These things tend to succeed or die depending on their appeal to the end user, and whether the end user believes the cost justifies the benefits. D-Star got lucky.

73 Al.
GM1SXX

4303. Re: [eu-amsat] Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-12 09:23:12 UTC
From: Thomas Frey
Topic: 4301 Message: 4303

allan_gm1sxx schrieb:
>
>
>
>
> Thomas said...
>
>
>> "**Understood to be 9k6 GMSK using a proprietary system.**"
>> Does the Italian ministry of communications not understand what
>> Amateur Radio is ??
>>
> What is the problem with being proprietary, Thomas? It's not illegal.
>

Yes, it's not illegal but it has nothing to do with Amateur Radio.
That's the problem. If we accept it with the phrase "it's not illegal"
the problem becomes greater till the lost of our frequencies.

> Does that mean that Thomas also disapproves of the very popular and widespread D-Star?
>

No Al. I don't know D-Star, but I would experiment with it when OUFTI-1
works in orbit. There are also Open source projects available.

> I don't believe there is anything in the amateur radio 'rulebook' that outlaws the use of proprietary protocols, only 'secret codes'. Being proprietary does not constitute a secret code, although of course a CW Ident would be nice.
>
> AMBE, used in D-STAR is proprietary, and I don't hear many complaints about that, except for the usual complaint that ' it is not in the spirit of amateur radio'. This is something I heartily agree with, so I for one choose not to use D-Star. It's a free world. After all, we can choose to boycott such a protocol if we personally don't approve. You don't have to buy into it. I choose not to use D-Star because it is not in the spirit of amateur radio. These things tend to succeed or die depending on their appeal to the end user, and whether the end user believes the cost justifies the benefits. D-Star got lucky.
>
> 73 Al.
> GM1SXX
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4304. Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-12 13:07:40 UTC
From: allan_gm1sxx
Topic: 4301 Message: 4304

For anyone still awake.
(TF) Thomas Frey
(AC) Allan Copland)

(TF) "**Understood to be 9k6 GMSK using a proprietary system.**"
Does the Italian ministry of communications not understand what
Amateur Radio is ??

(AC) What is the problem with being proprietary, Thomas? It's not illegal.

(TF) Yes, it's not illegal but it has nothing to do with Amateur Radio. That's the problem.
If we accept it with the phrase "it's not llegal" the problem becomes greater till the lost
of our frequencies.

(AC) Does that mean that Thomas also disapproves of the very popular and widespread D-Star?

(TF)"Yes, it's not illegal but it has nothing to do with Amateur Radio.
That's the problem."

(AC) What? D-Star (using GMSK) and a proprietary GMSK protocol for satellite are not
amateur radio? If they use amateur radio as the communication medium, how can they *not* be
amateur radio?

The complaint now has now 'drifted' from being against the use of a 'proprietary GMSK
system' to a claim that it's 'not amateur radio'?

If it's acceptable and legal to use on the airwaves under the terms of our licenses, how
can it not be amateur radio?

Is anyone else (who is still awake) as confused as I am?

73 Al.
GM1SXX

4305. Re: [eu-amsat] Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-12 17:11:03 UTC
From: Thomas Frey
Topic: 4301 Message: 4305

allan_gm1sxx schrieb:
>
> For anyone still awake.
> (TF) Thomas Frey
> (AC) Allan Copland)
>
> (TF) "**Understood to be 9k6 GMSK using a proprietary system.**"
> Does the Italian ministry of communications not understand what
> Amateur Radio is ??
>
> (AC) What is the problem with being proprietary, Thomas? It's not illegal.
>
> (TF) Yes, it's not illegal but it has nothing to do with Amateur Radio. That's the
problem. If we accept it with the phrase "it's not llegal" the problem becomes greater till
the lost of our frequencies.
>
> (AC) Does that mean that Thomas also disapproves of the very popular and widespread
D-Star?
>
> (TF)"Yes, it's not illegal but it has nothing to do with Amateur Radio.
> That's the problem."
>

This is wrong replayed! I wrote that I don't know D-Star but I would
experiment with it when OUFTI-1 works in space.

If Edusat transmits data with a proprietary protocol in GMSK - THIS has
nothing to do with Amateur Radio.

Hope this helps now to de-confusing.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4306. Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-13 07:35:31 UTC
From: allan_gm1sxx
Topic: 4301 Message: 4306

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:

> This is wrong replayed! I wrote that I don't know D-Star but I would
> experiment with it when OUFTI-1 works in space.
>
> If Edusat transmits data with a proprietary protocol in GMSK - THIS has
> nothing to do with Amateur Radio.
>
> Hope this helps now to de-confusing.

Sorry Thomas, but it does not help *me* to understand in any way.

my explanation.
D-STAR.... proprietary GMSK
EDUSAT.... proprietary GMSK

You said...
> I wrote that I don't know D-Star but I would
experiment with it when OUFTI-1 works in space.

Both are amateur radio modes. Both are proprietary.
What is the difference? I think you are making a mountain out of a mole-hill. I don't understand your objection to one but not to the other.
This is my last word on the subject. Perhaps others would like to make their views known?

I don't use D-STAR because it was not in the spirit of amateur radio... i.e. someone is making money out of the AMBE CODEC.
That's *my* view and other are free to disagree. I chose not to use D-Star.
There is no valid reason why a proprietary protocol cannot be used on an amateur satellite.
I can choose not to use that also, if I feel strongly about it.

http://en.wikipedia.org/wiki/Proprietary_protocol

73 Al.
GM1SXX

4307. Re: [eu-amsat] Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-13 10:09:01 UTC
From: Thomas Frey
Topic: 4301 Message: 4307

allan_gm1sxx schrieb:
>
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>
>> This is wrong replayed! I wrote that I don't know D-Star but I would
>> experiment with it when OUFTI-1 works in space.
>>
>> If Edusat transmits data with a proprietary protocol in GMSK - THIS has
>> nothing to do with Amateur Radio.
>>
>> Hope this helps now to de-confusing.
>>
>
>
> Sorry Thomas, but it does not help *me* to understand in any way.
>
> *my* explanation.
> D-STAR.... proprietary GMSK
>

Voice is digitalized:
"CQ DE HB9SKA ..." -> OPEN

> EDUSAT.... proprietary GMSK
>
>
Unknown data
"+"*?%&/()=?`'" -> CLOSED and against Amateur radio rules.

Thread is closed, Thank you for your understanding.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4308. Free sample edition of OSCAR News

Yahoo group: eu-amsat
Date: 2011-07-13 22:49:49 UTC
From: Trevor .
Topic: 4308 Message: 4308

AMSAT-UK have made available a free PDF of the Spring 2011 edition of their newletter OSCAR News.

It contains reports on four UK CubeSat projects currently being developed. News of new South African CubeSats and details of the telemetry on ARISsat-1 currently scheduled to be deployed from the International Space Station in August.

A printed copy of OSCAR News is posted to members each quarter.

Membership of AMSAT-UK is open to anyone who has an interest in Amateur Radio satellites/space activities, including the ISS. You do not have to have an amateur radio licence to join, many of our members are interested in listening to satellites and decoding the telemetry.

Read the OSCAR News PDF at
http://www.uk.amsat.org/on_193_final.pdf

Join AMSAT-UK at
http://tinyurl.com/JoinAMSAT-UK/

AMSAT-UK Colloquium July 30-31 Guildford
http://www.uk.amsat.org/colloquium-2011/

AMSAT-UK: http://www.uk.amsat.org/
---
73 Trevor M5AKA

4309. Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-14 07:20:55 UTC
From: allan_gm1sxx
Topic: 4301 Message: 4309

Sorry Thomas, but your explanation STILL does not make sense.

Voice is digitalized:
> "CQ DE HB9SKA ..." -> OPEN
>
> > EDUSAT.... proprietary GMSK
> >
> Unknown data
> "+"*ç%&/()=?`'" -> CLOSED and against Amateur radio rules.
>
> Thread is closed, Thank you for your understanding.
> --
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA

You are incorrect in your brash claim. Proprietary does *not* mean 'unknown data' as you so robustly claim.

It simply means that someone out there owns the codec, just as someone owns the D-STAR AMBE Codec. I suggest you look up the meaning of proprietary. It does NOT mean closed.

This has all the same shades of trolling rant as your past claims about 'our frequencies'... that are mostly NOT ours...we share many of them as secondary users..... and your claim that the DOKA-B telemetry system was illegal.. which it is not... it's only simple manchester coded data. Perfectly acceptable.

So long as the means exists to decode a signal, it is not secret code, and is therefore acceptable to the authorities, otherwise D-STAR would also be banned!

Under 'Thomas rules', 400bits/second telemetry must also count as 'illegal. It also is "+"*ç%&/()=?`'" unless you have the means to decode it. Time to join the real world Thomas.

Next you'll want to 'outlaw' data from educational CUBSATs
I'd be a bit more careful in future about what you complain about.

Finally, as a member of the group *you* have no right to order that the thread is closed. Only the group administrator has that right.

73 Al.
GM1SXX

4310. Re: [eu-amsat] Re: Edusat without Cubes

Yahoo group: eu-amsat
Date: 2011-07-14 09:30:16 UTC
From: Luc Leblanc
Topic: 4301 Message: 4310

On 14 Jul 2011 at 7:20, allan_gm1sxx wrote:

Date sent: Thu, 14 Jul 2011 07:20:55 +0000
From: allan_gm1sxx <allan_gm1sxx@...>
Subject: [eu-amsat] Re: Edusat without Cubes
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

>
>
>
> Sorry Thomas, but your explanation STILL does not make sense.
>
> Voice is digitalized:
> > "CQ DE HB9SKA ..." -> OPEN
> >
> > > EDUSAT.... proprietary GMSK
> > >
> > Unknown data
> > "+"*ç%&/()=?`'" -> CLOSED and against Amateur radio rules.
> >
> > Thread is closed, Thank you for your understanding.
> > --
> > Mit freundlichen Grüssen, Regards, 73
> > Thomas Frey, HB9SKA
>
> You are incorrect in your brash claim. Proprietary does *not* mean 'unknown data' as you so robustly claim.
>
> It simply means that someone out there owns the codec, just as someone owns the D-STAR AMBE Codec. I suggest you look up the meaning of proprietary. It does NOT mean closed.
>
> This has all the same shades of trolling rant as your past claims about 'our frequencies'... that are mostly NOT ours...we share many of them as secondary users..... and your claim that the DOKA-B telemetry system was illegal.. which it is not... it's only simple manchester coded data. Perfectly acceptable.
>
> So long as the means exists to decode a signal, it is not secret code, and is therefore acceptable to the authorities, otherwise D-STAR would also be banned!
>
> Under 'Thomas rules', 400bits/second telemetry must also count as 'illegal. It also is "+"*ç%&/()=?`'" unless you have the means to decode it. Time to join the real world Thomas.
>
> Next you'll want to 'outlaw' data from educational CUBSATs
> I'd be a bit more careful in future about what you complain about.

>
> Finally, as a member of the group *you* have no right to order that the thread is closed. Only the group administrator has that right.
>
> 73 Al.
> GM1SXX
>
>
Just before the thread "close" I am an actual DSTAR user here even making one test on AO-27 you can hear it on my web page
www.qsl.net/ve2dwe DSTAR is a growing new communication mode and it is a tool who help us to retain and gain new members in our local ham
club. We should always have in mind this actual reality "the internet" it is not an all RF mode and as all the programming code in the
actual HF and VHF/UHF rig IC's we don't have acces to it. Each manufacturing company are keeping this for themselves as the codec's for
Icom.

In the DSTAR evolution numerous other codec's are developed by some amateur groups making this field open. I respect those who does not
want to use DSTAR based on the "proprietary issue" pushing this argumenting to the limit will make us refrain to used all the actual
amateur radio transceiver as they are full of proprietary code in their IC's.

BTW i can be reach anywhere on the world with just my callsign enter in your URCALL field could be one day we will be able to have a QSO
mobile to mobile through a DSTAR satelllite?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4311. ARISSat-1 & AMSAT-UK Colloquium July 30-31

Yahoo group: eu-amsat
Date: 2011-07-18 16:02:19 UTC
From: m5aka
Topic: 4311 Message: 4311

The AMSAT-UK International Space Colloquium at the Holiday Inn, Guildford, GU2 7XZ, England will be taking place during the activation of ARISSat-1.

Members of AMSAT-UK hope to be active during the ARISSat-1 tests from the GB4FUN communications module situated in the Holiday Inn car park.

GB4FUN: http://www.gb4fun.org.uk/

It is intend to use the GB4FUN station equipment to listen to the various ARISSat-1 signals and, hopefully make a few contacts through the linear transponder.

In addition they will be experimenting with the use of FUNcube Dongle software defined radios to receive the ARISSat-1 signals with a variety of different antennas.

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4312. TLE Updates

Yahoo group: eu-amsat
Date: 2011-07-19 10:56:09 UTC
From: g3xap1941
Topic: 4312 Message: 4312

Hi All,

I have been using Fastrak to update TLEs for Orbitron. However, this seems to have stopped working as I'm now getting an "invalid file" message.

Anyone have any suggestions please.

73 Phil G3XAP

4313. Re: [eu-amsat] TLE Updates

Yahoo group: eu-amsat
Date: 2011-07-19 12:10:30 UTC
From: Marco IK1ODO -2
Topic: 4312 Message: 4313

At 12:56 19-07-11, you wrote:
>
>
>Hi All,
>
>I have been using Fastrak to update TLEs for Orbitron. However, this
>seems to have stopped working as I'm now getting an "invalid file" message.
>
>Anyone have any suggestions please.
>
>73 Phil G3XAP

Use Celestrak. Orbitron -> setup (ALT+F5) -> TLE updater -> select
Group = www.celestrak.com

With many, many thanks to USAF Col. (ret) T.S. Kelso, owner of
Celestrak since at least 25 years, from early times of bulletin
boards in the eighties :-)

73 - Marco IK1ODO

4314. Re: [eu-amsat] TLE Updates

Yahoo group: eu-amsat
Date: 2011-07-19 12:20:20 UTC
From: Thomas Frey
Topic: 4312 Message: 4314

g3xap1941 schrieb:
> Hi All,
>
> I have been using Fastrak to update TLEs for Orbitron. However, this seems to have stopped working as I'm now getting an "invalid file" message.
>
> Anyone have any suggestions please.
>
> 73 Phil G3XAP
>
>
>

Hi Phil

On http://www.stoff.pl/downloads.php I read:
> TLE
>
> After download zipped TLE data, please extract it to *Orbitron\TLE*
> directory. You can safety overwrite existing ones. TLE files are
> updated every day from: www.celestrak.com <http://www.celestrak.com>
> and www.io.com/~mmccants/ <http://www.io.com/%7Emmccants/>.
>

What is "Fastrak" ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4315. Re: [eu-amsat] TLE Updates

Yahoo group: eu-amsat
Date: 2011-07-19 13:14:34 UTC
From: phil ashton
Topic: 4312 Message: 4315

Thanks Marco and Thomas for your comments. I will try this when time permits.

Fastrak is, I believe, a TLE updater from NASA. It used to work fine but has recently refused to update the Orbitron TLEs.

Thanks again,

Phil G3XAP

From: Marco IK1ODO -2 <ik1odo@...>
To: eu-amsat@yahoogroups.com
Sent: Tuesday, 19 July 2011, 13:10
Subject: Re: [eu-amsat] TLE Updates

At 12:56 19-07-11, you wrote:
>
>
>Hi All,
>
>I have been using Fastrak to update TLEs for Orbitron. However, this
>seems to have stopped working as I'm now getting an "invalid file" message.
>
>Anyone have any suggestions please.
>
>73 Phil G3XAP

Use Celestrak. Orbitron -> setup (ALT+F5) -> TLE updater -> select
Group = www.celestrak.com

With many, many thanks to USAF Col. (ret) T.S. Kelso, owner of
Celestrak since at least 25 years, from early times of bulletin
boards in the eighties :-)

73 - Marco IK1ODO

4316. FUNcube Environmental Testing at RAL

Yahoo group: eu-amsat
Date: 2011-07-21 10:30:12 UTC
From: Trevor .
Topic: 4316 Message: 4316

This week environmental testing of the AMSAT-UK FUNcube Cubesat has been taking place at the Rutherford Appleton Laboratories. For a report and pictures see http://www.uk.amsat.org/archives/funcube-enviromental-testing-at-ral

FUNcube will carry a 435/145 MHz linear transponder and there will be a presentation on the CubeSat at the AMSAT-UK International Space Colloquium being held from July 30-31 in Guildford, GU2 7XZ, England.

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4317. RE: [eu-amsat] FUNcube Environmental Testing at RAL

Yahoo group: eu-amsat
Date: 2011-07-21 16:28:40 UTC
From: Nitin Muttin
Topic: 4316 Message: 4317

This is great news and appreciate the velocity in the manner this project has been managed. All the very best with the testing.

73’s

Nitin [VU3TYG]

Secretary, AMSAT INDIA

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Trevor .
Sent: Thursday, July 21, 2011 4:00 PM
To: AMSAT-EU Group
Subject: [eu-amsat] FUNcube Environmental Testing at RAL

This week environmental testing of the AMSAT-UK FUNcube Cubesat has been taking place at the Rutherford Appleton Laboratories. For a report and pictures see http://www.uk.amsat.org/archives/funcube-enviromental-testing-at-ral

FUNcube will carry a 435/145 MHz linear transponder and there will be a presentation on the CubeSat at the AMSAT-UK International Space Colloquium being held from July 30-31 in Guildford, GU2 7XZ, England.

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4318. Schedule for AMSAT-UK International Space Colloquium

Yahoo group: eu-amsat
Date: 2011-07-24 11:36:32 UTC
From: Trevor .
Topic: 4318 Message: 4318

The schedule for the AMSAT-UK International Space Colloquium, being held July 30-31 at the Holiday Inn, Guildford, GU2 7XZ, England, can be seen at

http://tinyurl.com/2011ColloquiumSchedule

The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4319. Re: [eu-amsat] Schedule for AMSAT-UK International Space Colloquium

Yahoo group: eu-amsat
Date: 2011-07-24 15:16:12 UTC
From: Thomas Frey
Topic: 4318 Message: 4319

Trevor . schrieb:
> The schedule for the AMSAT-UK International Space Colloquium, being held July 30-31 at the Holiday Inn, Guildford, GU2 7XZ, England, can be seen at
>
> http://tinyurl.com/2011ColloquiumSchedule
>
> The Colloquium is open to all Radio Amateurs and SWL's. Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see
> http://www.uk.amsat.org/colloquium-2011/
>
> AMSAT-UK: http://www.uk.amsat.org/
>
> 73 Trevor M5AKA
> ----
>
And for all non-attendees there will be Live streaming by BATC at
http://www.batc.tv/ch_live.php?ch=3

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4320. KEDR / Arissat-1. Looks like August 3rd.

Yahoo group: eu-amsat
Date: 2011-07-25 08:43:20 UTC
From: allan_gm1sxx
Topic: 4320 Message: 4320

You may know it as Arissat-1 or RadioSkaf-2
From RIA Novosti..

"ISS crew to launch mini-satellite on August 3

Russian cosmonauts aboard the International Space Station (ISS) will launch a mini-satellite during a spacewalk on August 3, mission control said on Friday. The mini-satellite, Kedr, is part of the Amateur Radio on the International Space Station (ARISS) project, and is designed to transmit greeting messages in 15 languages and relay images of Earth and telemetry data to amateur radio operators as it orbits the Earth.

Its name comes from Russian cosmonaut Yury Gagarin's call sign and it is being launched in honor of the 50th anniversary of Garagin's flight. Cosmonauts Alexander Samokutyaev and Sergei Volkov will launch Kedr manually during a six-hour spacewalk. The Kedr was delivered to the ISS by a Russian cargo spacecraft, Progress M-09M, on January 30."

73 Al.
P.S. Don't shoot me.. I'm only the messenger.

4321. FUNcube Videos Released

Yahoo group: eu-amsat
Date: 2011-07-25 11:22:41 UTC
From: Trevor .
Topic: 4321 Message: 4321

AMSAT-UK have released a number of video showing the Assembly, Integration and Verification (AIV) testing of the FUNcube satellite at the Rutherford Appleton Laboratories:

Wouter removes the stack from the Thermo Vac chamber after nearly 5 hot/cold cycles over a period of two and a half days in the chamber. The GOOD news is that the stack was still working after these tests!

http://vimeo.com/26798894

Graham and Wouter return to the lab with the stack after removal from the Thermo Vac chamber. They both make comments on how the test have gone so far.

http://vimeo.com/26799097

Applying 'Space Glue' to the screws holding the side panels in place, ready for Vibration Testing on July 25.

http://vimeo.com/26799910

Further FUNcube videos can be seen at
http://vimeo.com/user3575668

FUNcube Yahoo Group: http://groups.yahoo.com/group/FUNcube/

The AMSAT-UK International Space Colloquium will be held July 30-31 at the Holiday Inn, Guildford, GU2 7XZ, England. It is open to all.

Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

The Colloquium schedule, times in BST (GMT+1), is at
http://tinyurl.com/2011ColloquiumSchedule

Live webstream at http://www.batc.tv/ch_live.php?ch=3

The Spring issue of the AMSAT-UK newsletter OSCAR News can be downloaded free at
http://www.uk.amsat.org/on_193_final.pdf

Join AMSAT-UK at http://tinyurl.com/JoinAMSAT-UK/

73 Trevor M5AKA

4322. FUNcube Vibration Testing Videos

Yahoo group: eu-amsat
Date: 2011-07-27 14:12:41 UTC
From: Trevor .
Topic: 4322 Message: 4322

Two videos showing vibration testing of the AMSAT-UK FUNcube satellite.

This video shows the general layout of the RAL vibration testing facility, and includes interviews with Graham and David at the conclusion of our testing.

http://vimeo.com/26951186

This is a short video showing what happens during a 'high sine' test. The test is being performed in the Z axis. Hold your breath!!

http://vimeo.com/26954073

The AMSAT-UK International Space Colloquium is to be held July 30-31 at the Holiday Inn, Guildford, GU2 7XZ, England. The event is open to all and there will be a presentation on the FUNcube 435/145MHz linear transponder satelite.

Either day passes or full packages comprising overnight accommodation and meals are available. For futher information see http://www.uk.amsat.org/colloquium-2011/

The Colloquium schedule, times in BST (GMT+1), is at
http://tinyurl.com/2011ColloquiumSchedule

There will be a live webstream at http://www.batc.tv/ch_live.php?ch=3

Join the FUNcube Yahoo Group: http://groups.yahoo.com/group/FUNcube/

The Spring issue of the AMSAT-UK newsletter OSCAR News can be downloaded free at
http://www.uk.amsat.org/on_193_final.pdf

Join AMSAT-UK at http://tinyurl.com/JoinAMSAT-UK/
---
73 Trevor M5AKA

4323. Colloquium Webstream Today

Yahoo group: eu-amsat
Date: 2011-07-30 01:58:10 UTC
From: Trevor .
Topic: 4323 Message: 4323

The AMSAT-UK International Space Colloquium takes place at the Holiday Inn, Guildford, GU2 7XZ, England today and tomorrow, July 30-31.

BATC and AMSAT-UK volunteers will be streaming video of the event live, enabling it to be seen around the world. The presentations start at 10:15 BST (09:15 GMT) Saturday.

Among the many talks are:

- SSTL/SSL Update by Prof. Sir Martin Sweeting G3YJO
- GENSO Update by Phil Beavis, VEGA Space
- ESMO Update by Dr, Susan Jason SSTL
- AMSAT-DL Presentation by Peter Guelzow DB2OS
- STRaND Smartphone CubeSat by Shaun Kenyon SSTL
- FUNcube Dongle Software Defined Radio by Howard Long G6LVB
- FUNcube Satellite by Jim Heck G3WGM
- The Interplanetary Internet by Lloyd Wood
- ISIS-QB50 by Wouter Weggelaar PA3WEG
- AMSAT-NA Presentation by Lou McFadin W5DID
- InKlajn-1 by Shamai Opfer 4Z1WS
- A Multipurpose Portable Setup by Ivo Klinkert PA1IVO
- UKube-1 Update by Mike Willis G0MJW, Science and Technology Facilities Council
- QB50 Update by Lars Mehnen / Neil Melville PA9N
- Radio Museum Bletchley Park Update by Carlos Eavis G0AKI
- FUNcube Telemetry Warehousing by Dave Johnson G4DPZ

Watch the live webstream at http://www.batc.tv/ch_live.php?ch=3
(view stream AMSAT 2011)

There’s also a Chat facility available which can be used to ask the
presenters questions, set your chat ID by entering:
/nick “your callsign”

The Colloquium schedule, times in BST (GMT+1), is at
http://tinyurl.com/2011ColloquiumSchedule

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4324. FW: [amsatindia] ARISSat 1 over India

Yahoo group: eu-amsat
Date: 2011-07-31 08:30:23 UTC
From: Nitin Muttin
Topic: 4324 Message: 4324

Fyi.

73's

Nitin [VU3TYG]

Secretary,AMSAT INDIA

From: amsatindia@yahoogroups.com [mailto:amsatindia@yahoogroups.com] On Behalf Of Mani VU2WMY
Sent: Sunday, July 31, 2011 1:05 PM
To: BB, AMSAT
Cc: AMSAT-INDIA; VUHAMS
Subject: [amsatindia] ARISSat 1 over India

Test transmission Signals from ARISSat 1 was heard over India during
05:30 pass (70 deg Ele over Bangalore).
The following are the stations from Bangalore monitored the signals:
VU2WMY Mani
VU2RMS Ramesh
VU2GUR Guru
VU3SXE Sandeep

During the ten minute pass, the voice telemetry message, YL voice
identification message, pass word, Male voice message in Russian and
the SSTV signals were heard.

The consolidated report is that: the signals on 437.550 was very
strong with scale readings 5/6. Was able to record the entire pass.

Good wishes and Greetings from India to ARISSat Team and we all look
forward eagerly for the ARISSat launch from ISS on August 3rd.

73 de from all of us.

Mani, VU2WMY
Secretary & Station-In-Charge
Upagrah Amateur Radio Club VU2URC
ISRO Satellite Centre
HAL Airport Road, Bangalore-560 017.
Phone:(O)91-80-25082054/2598/2192
Mobile: 91-80-98803 41456
E-mail ID: wmy@... <mailto:wmy%40isac.gov.in>
vu2wmy_mani@... <mailto:vu2wmy_mani%40yahoo.com>
isrohams@... <mailto:isrohams%40yahoo.com>

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the sole use of the intended recipient(s) and may contain confidential and
privileged information. Any unauthorized review, use, disclosure or
distribution is prohibited. If you are not the intended recipient, please
contact the sender by reply e-mail and destroy all copies of the original
message.

4325. Re: [amsat-bb] ARISSat-1 deployment time correction

Yahoo group: eu-amsat
Date: 2011-08-03 21:38:08 UTC
From: Luc Leblanc
Topic: 4325 Message: 4325

>
> The ARISSat-1 space craft was deployed from the ISS today at 1443 EDT (1843 UTC) after a hold based upon questions about the 70cm antenna.
>
On a frame by frame replay it was even very evident that the satellite has been thrown away just by watching the swing of the central long
whip. As the first spacesuit sat issues we will have to have VERY HIGH ERP to be able to be heard on ARISSat-1 in the event of the
unconfirmed "yet" UHF antenna status. It was very apparent they want to regain their late time in hurry and they seems to have broken
something (Very hard to see even in a frame by frame view as the images are most of the time fuzzy in that mode) in their EVA tool and
equipment reteriving from the air lock. Something hit the antenna but the images after this collision are too fuzzy to be able to verify if
any dammages where present. They where not even sure how many antenna where installed on it!!!!!

MY EDUCATED GUESS

They broke the UHF antenna in their hurry to get rid of this BOX and they let it go as it was not an essential task!

It will now be interresting to know wich mode are activated to be able to focus our listening task on the right place.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4326. Re: [eu-amsat] Re: [amsat-bb] ARISSat-1 deployment time correction

Yahoo group: eu-amsat
Date: 2011-08-03 21:46:41 UTC
From: Luc Leblanc
Topic: 4325 Message: 4326

>
> >
> > The ARISSat-1 space craft was deployed from the ISS today at 1443 EDT (1843 UTC) after a hold based upon questions about the 70cm antenna.
> >
One point i forgot in my previous post

Just to confirm the satellite has been deployed in the very first 10 minutes after the cosmonauts where getting out the air lock not at
1443 EDT "NO WAY" something is wrong here!!!

> "-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4327. Re: ARISSat-1 3 first pass

Yahoo group: eu-amsat
Date: 2011-08-04 08:09:53 UTC
From: Luc Leblanc
Topic: 4327 Message: 4327

If an antenna is damaged i think it could be the UHF. I was able to hear myself in the short linear transponder window but at this level no

sustain QSO is possible.

The DATA/CW and the FM signal where booming here near S9. I can hear the transponder noise but are just over the noise level

I will check and try some recording of the FM messages.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4328. Re: [eu-amsat] Re: [amsat-bb] ARISSat-1 deployment time correction

Yahoo group: eu-amsat
Date: 2011-08-04 09:20:05 UTC
From: Thomas Frey
Topic: 4325 Message: 4328

Luc Leblanc schrieb:
>
>
>>
>>> The ARISSat-1 space craft was deployed from the ISS today at 1443 EDT (1843 UTC) after a hold based upon questions about the 70cm antenna.
>>>
>>>
> One point i forgot in my previous post
>
> Just to confirm the satellite has been deployed in the very first 10 minutes after the cosmonauts where getting out the air lock not at
> 1443 EDT "NO WAY" something is wrong here!!!
>
>
>
Yes, I can confirm this. The hatch was officially opened at 14:50 UTC
and ARISSat-1 was deployed at 15:07 UTC. I watched NASA-TV yesterday
after 14:00 UTC or 16.00 MESZ. Someone mixed his local time with UTC
or GMT I think.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4329. ARISSat over FN36KA - 0918utc Pass

Yahoo group: eu-amsat
Date: 2011-08-04 09:38:19 UTC
From: Luc Leblanc
Topic: 4329 Message: 4329

145.950Mhz was as expected very strong S90+60 with deep fades S3 to 4 I will try again the linear transponder on my 1044UTC near overhead
pass.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4330. RadioSkaf /Kedr/Cedar/Arissat-1/Oscar ??? on the BBC.

Yahoo group: eu-amsat
Date: 2011-08-04 13:19:39 UTC
From: allan_gm1sxx
Topic: 4330 Message: 4330

Hi.

BBC carrying a video clip in which the crew discuss RadioSkaf and what to do since it's antenna configuration' has a problem. Unfortunately the video ends just as things are getting interesting!

http://www.bbc.co.uk/news/science-environment-14388224

I'm now wondering if there is a better post of the spacewalk elsewhere.

Regards,
Al.
GM1SXX

4331. More on that pesky 70Cms antenna

Yahoo group: eu-amsat
Date: 2011-08-04 13:33:05 UTC
From: allan_gm1sxx
Topic: 4331 Message: 4331

Hi,

It would seem likely that the Radioskaf satellite has been deployed with only the 2M antenna in place.

>As they began their spacewalk with plans to toss the satellite from the station, Russian flight control teams noticed the absence of a second antenna in live video views. After a round of troubleshooting, Moscow directed the spacewalkers to continue with the deployment, though the second antenna was either tucked inside the satellite or missing altogether.

More detailed info at...
http://spacecoalition.com/blog/education/spacewalking-cosmonauts-launch-educational-satellite?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+CoalitionForSpaceExploration+%28Coalition+for+Space+Exploration%29&utm_content=Google+UK&doing_wp_cron

Another post at ...
http://www.nasaspaceflight.com/2011/08/cosmonauts-russian-spacewalk-international-space-station/

says...

>During the EVA, the satellite was manually jettisoned in a retrograde (aft) direction from the ISS, so that it will not pose a debris threat in the future. The satellite will eventually run out of power and burn up in Earth's atmosphere.

>This was supposed to be the first task of the spacewalk. However, after noticing only one ☐ instead of two ☐ antennas on the device, controllers asked to defer the task until later in the EVA to check the configuration.

>After confirming one antenna was missing, controllers decided to press ahead and deploy the satellite, which was confirmed at 1:43pm Central time. There will be a 50 percent loss in performance due to the missing antenna.

Much of the other stuff I've seen posted seems to be derived from the above posts. Makes me wonder why they didn't abandon the deployment and return the satellite to the ISS via the airlock for the problem to be debugged properly. After all, there will be other spacewalks.

73 Al.

4332. Re: More on that pesky 70Cms antenna

Yahoo group: eu-amsat
Date: 2011-08-04 15:00:53 UTC
From: m5aka
Topic: 4331 Message: 4332

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
> Makes me wonder why they didn't abandon the deployment and return
> the satellite to the ISS via the airlock for the problem to be
> debugged properly. After all, there will be other spacewalks.

But the next Russian space walk isn't until Feb 2012 and there's always the risk that there wouldn't be spare time in the scedule of that EVA. They did take a massive chunk of time out of yesterdays EVA to deploy ARISSat.

Still despite the antenna being snapped off it was encouraging to see that Drew and others have managed to get a signal through the transponder. This hopefully means that with enough power it can be commanded as well.

So even without an uplink antenna it should still be able to achieve almost all the mission objectives.

As the NASA announcer said there are another three ARISSat's waiting to be launched (one is already in Russia) so there's plenty to look forward to over the next couple of years.

73 Trevor M5AKA

4333. Re: RadioSkaf /Kedr/Cedar/Arissat-1/Oscar ??? on the BBC.

Yahoo group: eu-amsat
Date: 2011-08-04 15:08:45 UTC
From: m5aka
Topic: 4330 Message: 4333

--- In eu-amsat@yahoogroups.com, "allan_gm1sxx" <allan_gm1sxx@...> wrote:
> I'm now wondering if there is a better post of the spacewalk
> elsewhere.

Hi Al,

Did you see this mornings Southgate news ? A couple of videos there:

http://www.southgatearc.org/news/august2011/arissat1_deployment_videos.htm

73 Trevor M5AKA

4334. MY ARISsat-1 08/04 0918 pass recording

Yahoo group: eu-amsat
Date: 2011-08-04 15:30:43 UTC
From: Luc Leblanc
Topic: 4334 Message: 4334

I just added my edited recording of the August 4 2011 0918 ARISsat-1 recording on my web page http://www.qsl.net/ve2dwe signal boominh at
S9 plus 60DB RX setup 18 elements VHF circular polarized yagi with preamp
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4335. ARISSat-1 BPSK Reception Challenge

Yahoo group: eu-amsat
Date: 2011-08-05 08:32:34 UTC
From: Trevor .
Topic: 4335 Message: 4335

The signal levels from ARISSat-1 should be similar to those expected from the AMSAT-UK FUNcube-1 satellite (and also from UKube-1) and the AMSAT-UK team are keen to discover what will be the minimum and best type of antennas for schools to use.

To encourage everyone to receive and report the ARISSat-1 145.920 MHz BPSK telemetry signals AMSAT-UK are offering a FUN reward for listeners!

For further details see the ARISSat-1 BPSK Reception Challenge at
http://www.uk.amsat.org/archives/arissat-1-reception-challenge-2

Download the Windows and Mac versions of the free ARISSatTLM BPSK telemetry soundcard demodulator and display software from
http://www.arissattlm.org/

How to receive ARISSat-1
http://www.amsat.org/amsat-new/ARISSat/ARISSatHowTo.php

Read the ARISSat-1 article from QST magazine at
http://web.me.com/clintbradford/Work-Sat/ARISSat-1_files/QST-ARISSat1.pdf

AMSAT-UK http://www.uk.amsat.org/

73 Trevor M5AKA

4336. ARRISSat-1 Report and Thanks

Yahoo group: eu-amsat
Date: 2011-08-05 13:40:01 UTC
From: Nitin Muttin
Topic: 4336 Message: 4336

It was a great pleasure to watch the deployment of the ARRISSat-1 from the ISS on NASA TV. On behalf of AMSAT INDIA I would like to thank all at AMSAT , ARRISSat project team for enabling this capability for the Amateur Radio fraternity. I was able to hear the signals on 145.950 during the 03:57 UTC on 08/5/2011 over India and decoded a SSTV image and heard the CW on 145.919 but was unable to decode the telemetry using ARISSATLM application. Will try again to decode the telemetry and also the linear transponder. Many Radio Hams in Bangalore have reported hearing the signals on 145.950.

The image can be found at http://vu3tyg.addr.com/ARRISSAT/Arissat.jpg

The recording of the voice message, SSTV and CW can be heard at http://vu3tyg.addr.com/ARRISSAT/rec0805-092348.mp3

73's

Nitin [VU3TYG]

Secretary, AMSAT INDIA

4337. Re: ARRISSat-1 Report and Thanks

Yahoo group: eu-amsat
Date: 2011-08-05 20:48:37 UTC
From: Luc Leblanc
Topic: 4336 Message: 4337

On 5 Aug 2011 at 19:39, i8cvs wrote:

Date sent: Fri, 05 Aug 2011 19:39:33 +0200
From: i8cvs <domenico.i8cvs@...>
Subject: [amsat-bb] Re: ARRISSat-1 Report and Thanks
To: vu3tyg@..., amsatindia@yahoogroups.com
Copies to: Amsat - BBs <amsat-bb@...>, eu-amsat@yahoogroups.com

> Hi Nitin ,VU3TYG
>
> I would like to tanks again AMSAT India for the effort made to launch and
> commandind the satellite VO-52 the only one actually usable for decent CW
> and SSB QSO's !
>
> 73" de
>
> i8CVS Domenico
>

I add it was against through all patronizing commenting when they first show up their protoboard model with jumping wires, I still remember
some making jokes about it...

He's up and running fine with a back up transponder in bonus!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4338. Re: [amsat-bb] Arissat-1 Commanding?

Yahoo group: eu-amsat
Date: 2011-08-05 20:54:59 UTC
From: Luc Leblanc
Topic: 4338 Message: 4338

On 5 Aug 2011 at 14:03, Burns Fisher wrote:

Date sent: Fri, 05 Aug 2011 14:03:56 -0400
From: Burns Fisher <burns@...>
Subject: [amsat-bb] Arissat-1 Commanding?
To: amsat-bb@...

> I saw on one of the NASA announcements that the snarffled 70cm antenna would
> mean no commanding of the bird. (This was probably before it was realized
> that that receive actually seems to work). But the question I have is
> whether there IS some commanding of the bird possible. I guess you have to
> be able to turn it off to satisfy the FCC (true?) but can other things be
> done? I assume/home that the command channel is encrypted, so disclosing
> its existance is not compromising the bird.
>
> 73, Burns W2BFJ
> _____

As per my and other linear transponder test signal pass through but they are not too strong even if some report seems to confirm 1 watt
power their EIRP is unknown assuming the command channel is on UHF but you know the word "assume" definition:)

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4339. Re: [amsat-bb] Re: ARISSat-1 over West Malaysia

Yahoo group: eu-amsat
Date: 2011-08-05 20:59:16 UTC
From: Luc Leblanc
Topic: 4339 Message: 4339

On 5 Aug 2011 at 10:28, Phil Karn wrote:

Date sent: Fri, 05 Aug 2011 10:28:23 -0700
From: Phil Karn <karn@...>
Subject: [amsat-bb] Re: ARISSat-1 over West Malaysia
To: "Sion Chow Q. C. (9W2QC)" <9w2qc@...>
Copies to: sangatsingh@..., amsat-bb@...

> On 8/4/11 8:04 PM, Sion Chow Q. C. (9W2QC) wrote:
> >
> > 2. Does the CW beacon needs to be really +/- 100 Hz of the yellow
> > line? The reason for this is that I would like to see how much offset
> > should I apply to doppler control, for possible automated reception.
>
> Tuning the CW beacon to 500 Hz automatically centers the BPSK1000 signal
> at 1500 Hz. I didn't put in a whole lot of frequency tolerance in the
> BPSK-1000 demodulator because the signal is 2 kHz wide from null to null
> and it would begin to be chopped off by the edges of the receiver's SSB
> filter. So while you should ideally tune to +/- 100 Hz you might go to
> +/- 200 or even 300 Hz and it will *probably* still work, but I wouldn't
> go too much wider.
>
> Go ahead and experiment; I'd be interested in any reports on how well my
> demodulator (which is incorporated into both the Windows and Mac
> telemetry programs) tolerates tuning errors. Frequency acquisition and
> data synchronization are the hardest parts of any digital demodulator,
> and I'd like to know where there's room for improvement.
>
> 73, Phil
>
>
>
I try to decoded the last 30deg pass this morning but no luck even if the blue marker
remain steady on the CW bump nothing "lock" as far i
can tell any QRM or QRN seems to hold the lock process and on VHF here i have some
intermod... living about half a mile from a cell/paget
tower?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
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WAC BASIC CW PHONE SATELLITE

4340. ARISSKAF-1?

Yahoo group: eu-amsat
Date: 2011-08-05 21:09:47 UTC
From: Luc Leblanc
Topic: 4340 Message: 4340

On 5 Aug 2011 at 13:49, Greg D. wrote:

Date sent: Fri, 05 Aug 2011 13:49:53 -0700
From: "Greg D." <ko6th_greg@...>
Subject: [amsat-bb] Re: [sarex] Re: Re: ARRISat-1 Keps now available from Celestrak
To: amsat-bb@..., sarex@...

>
> It doesn't.
>
> But it speaks to what many are feeling - well, speaking for myself at least - that it would be a really good idea, politically, that when ARISSat-1 gets an Oscar number, it should have an AO-prefix, not an RS-prefix.
>
> There, it's been said.
>
> Greg KO6TH
>

As ARISS as ISS are part of an international program i suggest "ARISSKAF-1"

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4341. ARISSat-1 satpc32 files (RADIOSCAF-B)

Yahoo group: eu-amsat
Date: 2011-08-06 08:52:57 UTC
From: Eric Knaps, ON4HF
Topic: 4341 Message: 4341

Hello all,
Since we have the kepler data via celestrak.com I have configurated my satpc32 with the following lines in the doppler.sqf file:

```
RADIOSCAF-B,145920,0,USB,USB,NOR,0,0,BPSK/CW-2
RADIOSCAF-B,145950,0,FM,FM,NOR,0,0,VOICE/SSTV
RADIOSCAF-B,145930.0,435750.0,USB,LSB,REV,0,0,XPDR
```

For those who uses satpc32.

--
Amateur Radio Station ON4HF
Eric Knaps
Satellite manager UBA

Tel. +32472985876 (mobile)

http://www.on4hf.be

4342. Re: [amsat-bb] ARISSSat-1 Help

Yahoo group: eu-amsat
Date: 2011-08-06 13:39:00 UTC
From: Luc Leblanc
Topic: 4342 Message: 4342

On 6 Aug 2011 at 9:02, Bill Photinos wrote:

Date sent: Sat, 06 Aug 2011 09:02:51 -0400
From: Bill Photinos <Bill@...>
Subject: [amsat-bb] ARISSSat-1 Help
To: amsat-bb@...

> Tried to work the 1201Z 06AUG2011 pass of ARRISSat-1 from FM26 this
> morning without much luck. I have been successfully working the FM
> birds for a while but this is my first attempt with a linear bird. I
> was wandering if someone with a similar setup could verify my settings?
>

Is it possible as the analog transponder that multiple signals on the uplink reduce the downlink signal up to a point where we are unable
to hear anything? As some are reporting using very low power i guess they where probably alone when they made their transmission through
the transponder?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4343. Re: [amsat-bb] Re: ARISSat TLM decoding using FCD

Yahoo group: eu-amsat
Date: 2011-08-09 09:30:55 UTC
From: Luc Leblanc
Topic: 4343 Message: 4343

On 9 Aug 2011 at 1:01, Phil Karn wrote:

>
> Jumps per se are not a problem. I.e., if you're off frequency, the
> sooner you correct it the better; there's no need to tune back
> gradually. The error correcting code I'm using is pretty strong but it
> does have its limits, and being significantly off frequency can take out
> a lot of the information it needs to function.
>

What's was blocking my sound card decoding was as i read the sampling rate i was using on sprectra view with the UK fun dongle. As soon as
i put 48000hz the CW decoder start to decoded but nothing on the TLM screen yet (BPSK). I manually track the doppler shift and it not seems
to be very critical but i'm still in the dark about the BPSK data?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4344. ARISSat TLM decoding using FCD

Yahoo group: eu-amsat
Date: 2011-08-09 10:58:08 UTC
From: Luc Leblanc
Topic: 4344 Message: 4344

On my last morning pass 10deg i was able to get one KURSK frame and one forwarded nothing yet on the TLM screen. Experiment in progress...

Auto doppler tracking will be very usefull i think?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4345. Re: [amsat-bb] Re: Mirage preamps

Yahoo group: eu-amsat
Date: 2011-08-10 06:05:28 UTC
From: Luc Leblanc
Topic: 4345 Message: 4345

On 9 Aug 2011 at 19:45, Floyd Rodgers wrote:

Date sent: Tue, 09 Aug 2011 19:45:23 -0500
From: Floyd Rodgers <kc5qbc@...>
Subject: [amsat-bb] Re: Mirage preamps
Copies to: 'AMSAT-BB' <amsat-bb@...>

> There is also another possible issue to consider in that the 847 when
> first powered up sends a full power transmit for a very short time.

Could be this is the missing link explaining why i burn 2 preamp in the past? but i always put the power knob at minimum when i turned
off the 847. I will have to test it as i measure about 5W even if the RF power is set to 0!! Full power i'm not sure but even 5W is enough
to kill a preamp

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4346. ARISSat-1 TLM

Yahoo group: eu-amsat
Date: 2011-08-10 10:35:12 UTC
From: Luc Leblanc
Topic: 4346 Message: 4346

My ARISSat-1 telemetry capture is progressing at a slow pace just need to capture more frames!

Pictures on: www.qsl.net/ve2dwe
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4347. Re: [eu-amsat] ARISSat-1 TLM

Yahoo group: eu-amsat
Date: 2011-08-10 12:27:31 UTC
From: pmafer
Topic: 4346 Message: 4347

Hello Luc,

Can you tell what antenna system you use^

tks

Paulo F.
Lisbon, Portugak

On Wed, Aug 10, 2011 at 11:35 AM, Luc Leblanc <lucleblanc6@videotron.ca>wrote:

> **
>
>
>
>
> My ARISSat-1 telemetry capture is progressing at a slow pace just need to
> capture more frames!
>
> Pictures on: www.qsl.net/ve2dwe
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
>

4348. Re: [eu-amsat] ARISSat-1 TLM

Yahoo group: eu-amsat
Date: 2011-08-10 12:48:13 UTC
From: Luc Leblanc
Topic: 4346 Message: 4348

On 10 Aug 2011 at 13:27, pmafer wrote:

Date sent: Wed, 10 Aug 2011 13:27:31 +0100
From: pmafer <pmafer@...>
Subject: Re: [eu-amsat] ARISSat-1 TLM
To: eu-amsat@yahoogroups.com
Send reply to: eu-amsat@yahoogroups.com

> Hello Luc,
>
> Can you tell what antenna system you use^
>
> tks
>
> Paulo F.
> Lisbon, Portugak
>
HI Paulo
My RX setup: 18 elements VHF circular polarized yagi with preamp

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4349. IARU-R1 Conference Live C5 Audio Stream

Yahoo group: eu-amsat
Date: 2011-08-12 11:04:12 UTC
From: Trevor .
Topic: 4349 Message: 4349

The C5 - VHF, UHF and Microwave Bands - committee meeting at the IARU Region 1 conference in Sun City, South Africa will be audio streamed over the next 6 days.

You can listen to the audio on your PC using iTunes.

Open the iTunes "Advanced" pull down menu and select "Open Stream".
Copy http://live.datamatix.at:8032/ to the field and press OK.

It is currently running a test tape.

Download the Sun City C5 (VHF/UHF/uW) papers from
http://www.iaru-r1.org/index.php?option=com_remosotory&Itemid=173&func=select&id=25

IARU-R1 Facebook http://www.facebook.com/iarur1

73 Trevor M5AKA

4350. ARISSat-1: still silent 12 Aug 0200utc

Yahoo group: eu-amsat
Date: 2011-08-13 02:17:18 UTC
From: Luc Leblanc
Topic: 4350 Message: 4350

On my 2200EDT pass nothing heard from ARISSat-1 on the entire pass. Is it normal due to the rapid degrading batteries condition? or is it a
normal safe mode?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4351. Re: [amsat-bb] ARISSat Telemetry 03:33

Yahoo group: eu-amsat
Date: 2011-08-13 04:02:37 UTC
From: Luc Leblanc
Topic: 4351 Message: 4351

On 12 Aug 2011 at 22:41, N0JY wrote:

Date sent: Fri, 12 Aug 2011 22:41:18 -0500
From: N0JY <n0jy@...>
Subject: [amsat-bb] ARISSat Telemetry 03:33
To: AMSAT-BB@...
Send reply to: n0jy@...

> I copied and forwarded 6 telemetry frames and copied 4 Kursk frames
> completing a set, between 13/03:31 and 13/03:33. After the satellite
> went into eclipse I did not hear it again for the rest of the pass,
> approximately 7 more minutes.
>
> Jerry
> N0JY

From 13/0336 to 0346 nothing has been received no signal at all from ARRISat-1 She's not going too well probably down the well! No more
low power mode and i think unable to work directly from the solar pannel :(

Just hope for some recovery in sunlight when out of eclipse

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4352. Batteries and High Power still working

Yahoo group: eu-amsat
Date: 2011-08-13 04:54:37 UTC
From: Luc Leblanc
Topic: 4352 Message: 4352

From www.arissat1.org
>11 Aug 2001

>The Russian Silver-Zinc (Ag-Zn) battery that is powering ARISSat-1/RadioSkaf-B is the same battery that is used to power the Russian Orlan
>space suits. The battery is designed for a lifetime of 5 deep charge-discharge cycles when used in the spacesuit.

>Using it in a spacecraft going through 14 shallow charge-discharge cycles per day is new territory.

12 days since activation time 14 shallow charge-discharge cycles per day =168 shallow charge-discharge cycles "Is shallow = normal charge-
discharge?"

Some specs:

Silver-zinc batteries are available off-the-shelf and have a higher specific energy (130 Wh/kg) and density (240 Wh/litre) than most other
commonly available secondary batteries. High cost, limited cycle and shelf life, and a long recharging process reduce its overall
attraction. While at normal discharge rates, 40 to 50 cycles can be expected from the battery, this reduces to 10 or 15 at high discharge
rates. Cycle life is also reduced if the battery is discharged below 80% of rated capacity and thus, a 20% reserve is required at the end
of the mission. Silver-zinc batteries have been used extensively in AUVs and their performance is reliable and documented. Their high cost
and short life have, however, prompted consideration of alternative technologies.

P.S. At 13 Aug 2011 04:44:03 UTC ARRISat-1 High Power mode has been reported over Australia

Luc Leblanc VE2DWE
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WAC BASIC CW PHONE SATELLITE

4353. AMSAT at Chaos Communication Camp 2011

Yahoo group: eu-amsat
Date: 2011-08-13 22:15:32 UTC
From: Trevor .
Topic: 4353 Message: 4353

Today Mario Lorenz DL5MLO from AMSAT-DL gave a presentation on Amateur Radio Space Communications as part of the Hacker Space Program track at the Chaos Communication Camp 2011.

Mario's talk titled 'From OSCAR 1 to Mars and beyond - Amateur Space Exploration – The last 50 years, now, and the future' was given to hackers at the Chaos Communication Camp which ran from August 10-14 at Finowfurt near Berlin, Germany.

He described how Radio Amateurs have been building and operating satellites for almost fifty years now, and we are aiming for more. Building satellites has always been challenging and involves using technology in creative ways.

He explained what AMSAT is, what has been achieved in the last fifty years, and what is being worked on now such as the Amateur Radio Mars orbiter P5A.

Hacker Space Program track
http://events.ccc.de/camp/2011/Fahrplan/track/Hacker%20Space%20Program/index.en.html

Chaos Communication Camp 2011
http://events.ccc.de/camp/2011/
---
73 Trevor M5AKA

4354. Re: [amsat-bb] Re: ARISSat-1 battery eclipse voltage decreasing

Yahoo group: eu-amsat
Date: 2011-08-14 05:12:59 UTC
From: Luc Leblanc
Topic: 4354 Message: 4354

ARRISat-1 was mainly in eclipse over North America since the launch but starting August 15 the first orbits over NA will be out of eclipse
and if the batteries can hold and the inside temp does not cooked the electronics we will have a chance to listen and work it at a more
suitable time slot instead having to set the alarm clock in the middle of the night...Plus we will have the high power.

We all hope for the best but as projected we already exceed the +- 8 days life expectancy lets say we lived on borrowed time.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4355. AMSAT-DL Video Presentation

Yahoo group: eu-amsat
Date: 2011-08-15 10:51:42 UTC
From: Trevor .
Topic: 4355 Message: 4355

Thanks to the hard work of volunteers from the British Amateur Television Club (BATC) the video of the AMSAT-DL presentation given by Peter Guelzow DB2OS, including an update on P3E, to the AMSAT-UK Colloquium is now available.

You can watch the video online at http://www.batc.tv/
Click on the 'Film Archive' icon
Select 'AMSAT 2011' from the Category drop down menu
Click 'Select Category'
Select video 'AMSAT-DL Presentation'
Click on 'Select Stream'
Click the play icon '>' on the player
Clicking on the icon to the left of the player volume control will give you full screen display.

You can also download the video file to your PC it is at
http://www.batc.tv/vod/AMSAT-DL.flv

The PowerPoint slides are at
http://www.uk.amsat.org/wp-content/uploads/colloquium 2011/AMSAT-DLGuildford2011.pdf

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information.
Join online at http://tinyurl.com/JoinAMSAT-UK/

The Spring OSCAR News can be seen at
http://www.uk.amsat.org/on_193_final.pdf

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4356. Re: [eu-amsat] AMSAT-DL Video Presentation

Yahoo group: eu-amsat
Date: 2011-08-15 12:28:13 UTC
From: Thomas Frey
Topic: 4355 Message: 4356

Trevor . schrieb:
> The PowerPoint slides are at
> http://www.uk.amsat.org/wp-content/uploads/colloquium 2011/AMSAT-DLGuildford2011.pdf
>
>
>
If you have difficulties to download then type '%20' in between.

Thanks Trevor for the news.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4357. ARRISat-1 TLM

Yahoo group: eu-amsat
Date: 2011-08-16 01:20:18 UTC
From: Luc Leblanc
Topic: 4357 Message: 4357

On my web page i put the last TLM screen "ARRISat-1 TLM 08/16/2011 0041 to 0051UTC" counter has resetted but batteries are still at 35V but
instead of charging they are "discharging" and for how long they will keep their charge in full sun and in High Power???

Anyone can give me the mass area and initial launch altitude of ARRISat-1?

Thank's
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4358. Re: [eu-amsat] ARRISat-1 TLM

Yahoo group: eu-amsat
Date: 2011-08-16 12:10:21 UTC
From: Thomas Frey
Topic: 4357 Message: 4358

Luc Leblanc schrieb:
> On my web page i put the last TLM screen "ARRISat-1 TLM 08/16/2011 0041 to 0051UTC" counter has resetted but batteries are still at 35V but
> instead of charging they are "discharging" and for how long they will keep their charge in full sun and in High Power???
>
> Anyone can give me the mass area and initial launch altitude of ARRISat-1?
>
> Thank's
> "-"
>
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
Hello Luc

With latest Keplerian data the altitude in Apogee is 394 km and in Perigee 376 km. Its a little too early for a "chicken contest".

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4359. RS-3

Yahoo group: eu-amsat
Date: 2011-08-16 21:27:47 UTC
From: m5aka
Topic: 4359 Message: 4359

Hi,

My Russian is very poor and I'm not certin what the Google translator is telling me. A post at

http://tinyurl.com/RadioSport-3 (Google English)
http://radioskaf.ru/forum/index.php/topic,50.msg260.html#new (Russian)

Appears to me to say that RS-3 was on the same launch as RS-1 and RS-2 and Kosmos-1045 in 1978 but that it failed although it wasn't announced at the time - am I reading it correctly?

73 Trevor M5AKA

4360. Re: [eu-amsat] RS-3

Yahoo group: eu-amsat
Date: 2011-08-17 10:56:55 UTC
From: Thomas Frey
Topic: 4359 Message: 4360

m5aka schrieb:
> Hi,
>

Hello Trevor and Group

> My Russian is very poor and I'm not certin what the Google translator is telling me. A post at
>
> http://tinyurl.com/RadioSport-3 (Google English)
> http://radioskaf.ru/forum/index.php/topic,50.msg260.html#new (Russian)
>

This is the Russian Homepage for RadioSkaf-V or ARISSat-1. The English version you can reach at http://radioskaf.ru/en/ . Kedr is the name given by the space agency Roscosmos. But RadioSkaf-V is the name given by the Russian project group. There is also RadioSkaf (SuitSat-3) in pipeline, see http://radioskaf.ru/en/suitsat3/

> Appears to me to say that RS-3 was on the same launch as RS-1 and RS-2 and Kosmos-1045 in 1978 but that it failed although it wasn't announced at the time - am I reading it correctly?
>

Radio Sputnik 1 + 2 were launched at 26.10.1978 and had 2m/Shortwave transponders on board. I don't know the band, maybe 10m.

RS-1: http://nssdc.gsfc.nasa.gov/nmc/masterCatalog.do?sc=1978-100B
RS-2: http://nssdc.gsfc.nasa.gov/nmc/masterCatalog.do?sc=1978-100C

Radio Sputnik 3 - 8 was a cluster launched at 17.12.1981. They had, excluding RS-3+4, also 2m/Shortwave transponders on board. The lifetime was 7 years in maximum. No URL known.

> 73 Trevor M5AKA
>

See also tinyurl.com/AMSAT-DL -> Satellit -> Overview of all ...
for past and future HAM satellites.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4361. Re: RS-3

Yahoo group: eu-amsat
Date: 2011-08-18 11:57:38 UTC
From: m5aka
Topic: 4359 Message: 4361

Hi Thomas,

The reason for using a Google English version of the Russian language site is because only a limited subset of the information is available in English. For instance the Forum section is Russian language only.

It is the first time I've seen it mentioned that RS-3 was in fact launched with RS-1 and RS-2 but failed to respond. The failure was not aknowledged at the time and the RS-3 number was re-used a few years latter for one of the sats in the cluster.

The Forum section of http://tinyurl.com/RadioSkaf contains discussions on passive stabilization for a future satellite. Also speculation on the feasability of a digital TV downlink at 2.4 or 5 GHz.

73 Trevor M5AKA

4362. Re: [eu-amsat] Re: RS-3

Yahoo group: eu-amsat
Date: 2011-08-18 13:01:24 UTC
From: Thomas Frey
Topic: 4359 Message: 4362

m5aka schrieb:
> Hi Thomas,
>
Hi Trevor

> The reason for using a Google English version of the Russian language site is because only a limited subset of the information is available in English. For instance the Forum section is Russian language only.
>

OK, agreed

> It is the first time I've seen it mentioned that RS-3 was in fact launched with RS-1 and RS-2 but failed to respond. The failure was not aknowledged at the time and the RS-3 number was re-used a few years latter for one of the sats in the cluster.
>

What do you mean with RS-1, RS-2, RS-3 ? Radio Sputnik or RadioSkaf ?
I'm confused. Only the old Radio Sputnik's had officially the short
description
RS-n.

> The Forum section of http://tinyurl.com/RadioSkaf contains discussions on passive stabilization for a future satellite. Also speculation on the feasability of a digital TV downlink at 2.4 or 5 GHz.
>

I think you mean RadioSkaf(Suitsat-3) now ? See -> Satellites -> Radioskaf

> 73 Trevor M5AKA
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4363. Re: RS-3

Yahoo group: eu-amsat
Date: 2011-08-18 21:40:48 UTC
From: m5aka
Topic: 4359 Message: 4363

Hi Thomas,

By RS-1, 2 and 3 I was refering to the satellites launched in 1978 with Kosmos-1045. History is one of my interests and the mention in the forum of RS-3 being launched with RS-1/2 differed from what I had previously believed.

The Forum references to axis stabilisation and discussion on use of microwave bands relate to a future satellite presumably been built at the Southwest State University, Kursk.

73 Trevor M5AKA

4364. Re: [eu-amsat] Re: RS-3

Yahoo group: eu-amsat
Date: 2011-08-18 23:26:53 UTC
From: Thomas Frey
Topic: 4359 Message: 4364

m5aka schrieb:
> Hi Thomas,
>
> By RS-1, 2 and 3 I was refering to the satellites launched in 1978 with Kosmos-1045. History is one of my interests and the mention in the forum of RS-3 being launched with RS-1/2 differed from what I had previously believed.
>
>

You are right, Radio Sputnik 3 (RS-3) was launched later as I mentioned before, in a cluster of RS-3 thru RS-8.

> The Forum references to axis stabilisation and discussion on use of microwave bands relate to a future satellite presumably been built at the Southwest State University, Kursk.
>

For a new RadioSkaf maybe.

> 73 Trevor M5AKA
>
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4365. Re: RS-3

Yahoo group: eu-amsat
Date: 2011-08-19 10:59:16 UTC
From: m5aka
Topic: 4359 Message: 4365

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> For a new RadioSkaf maybe.

Yes it looks like a new mini satellite but I didn't spot any reference to linear transponders in the Forum.

I presume Southwest State University, Kursk are getting funding for RadioSkaf from UNESCO.

I see that the UNESCO site says

"The KEDR satellite is an inaugural step in a comprehensive program to construct and operate a mini satellite under the UNESCO Satellite for Science Education and Basic Science project. "
http://www.unesco.org/new/en/natural-sciences/science-technology/space-activities/single-view-space-activities/news/amateur_educational_satellite_on_board_of_the_iss/

73 Trevor M5AKA

4366. RE: [eu-amsat] Re: [amsat-bb] Re: Mirage preamps

Yahoo group: eu-amsat
Date: 2011-08-10 20:31:53 UTC
From: Dimitrios Pallis
Topic: 4345 Message: 4366

also 100 mWatt is enouph to kill the preamp

73 de SW1JGW

Dimitrios Jimmy Pallis

http://sw1jgw.50webs.com/

To: amsat-bb@...
CC: eu-amsat@yahoogroups.com
From: lucleblanc6@...
Date: Wed, 10 Aug 2011 02:05:28 -0400
Subject: [eu-amsat] Re: [amsat-bb] Re: Mirage preamps

On 9 Aug 2011 at 19:45, Floyd Rodgers wrote:

Date sent: Tue, 09 Aug 2011 19:45:23 -0500

From: Floyd Rodgers <kc5qbc@...>

Subject: [amsat-bb] Re: Mirage preamps

Copies to: 'AMSAT-BB' <amsat-bb@...>

> There is also another possible issue to consider in that the 847 when

> first powered up sends a full power transmit for a very short time.

Could be this is the missing link explaining why i burn 2 preamp in the past? but i always put the power knob at minimum when i turned

off the 847. I will have to test it as i measure about 5W even if the RF power is set to 0!! Full power i'm not sure but even 5W is enough

to kill a preamp

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4367. Re: [eu-amsat] Re: [amsat-bb] Re: Mirage preamps

Yahoo group: eu-amsat
Date: 2011-08-22 15:24:53 UTC
From: Thomas Frey
Topic: 4345 Message: 4367

I would pull out external PTT lines first. I have a similar
"problem". If I switch my PK-232 off, the TRX transmits for
fractions of a second.

Dimitrios Pallis schrieb:
>
>
> also 100 mWatt is enouph to kill the preamp
>
> 73 de SW1JGW
>
> Dimitrios Jimmy Pallis
>
> http://sw1jgw.50webs.com/
>
>
> ----------
> To: amsat-bb@...
> CC: eu-amsat@yahoogroups.com
> From: lucleblanc6@...
> Date: Wed, 10 Aug 2011 02:05:28 -0400
> Subject: [eu-amsat] Re: [amsat-bb] Re: Mirage preamps
>
> On 9 Aug 2011 at 19:45, Floyd Rodgers wrote:
>
> Date sent: Tue, 09 Aug 2011 19:45:23 -0500
> From: Floyd Rodgers <kc5qbc@... <mailto:kc5qbc@...>>
> Subject: [amsat-bb] Re: Mirage preamps
> Copies to: 'AMSAT-BB' <amsat-bb@... <mailto:amsat-bb@...>>
>
> > There is also another possible issue to consider in that the 847 when
> > first powered up sends a full power transmit for a very short time.
>
> Could be this is the missing link explaining why i burn 2 preamp in
> the past? but i always put the power knob at minimum when i turned
> off the 847. I will have to test it as i measure about 5W even if the
> RF power is set to 0!! Full power i'm not sure but even 5W is enough
> to kill a preamp
>
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE

> WAC BASIC CW PHONE SATELLITE

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4368. Soyuz-U - Progress M-12M

Yahoo group: eu-amsat
Date: 2011-08-24 14:41:14 UTC
From: Luc Leblanc
Topic: 4368 Message: 4368

excerpt from SPACEFLIGHT NOW

An "emergency situation" occurred during today's launch of a robotic Russian resupply ship headed for the International Space Station,
preventing the Soyuz rocket from placing the freighter into orbit.
Liftoff of the Soyuz booster carrying the Progress vessel from the Baikonur Cosmodrome in Kazakhstan occurred at 9:00 a.m. EDT (1300 GMT),
beginning Russia's 44th such cargo delivery mission to the space station.

But the Russian space agency says a problem with the upper stage propulsion system caused a premature shutdown and the vehicle's
catastrophic failure.

Heard that the remains crashed about 300KM from launc pad?
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4369. Re: Soyuz-U - Progress M-12M

Yahoo group: eu-amsat
Date: 2011-08-25 19:15:07 UTC
From: m5aka
Topic: 4368 Message: 4369

Hi Luc,

All Soyuz launchers are now grounded see

http://www.bbc.co.uk/news/science-environment-14669014

73 Trevor M5AKA

4370. Re: [eu-amsat] Re: Soyuz-U - Progress M-12M

Yahoo group: eu-amsat
Date: 2011-08-25 23:50:14 UTC
From: Luc Leblanc
Topic: 4368 Message: 4370

On 25 Aug 2011 at 19:15, m5aka wrote:

Date sent: Thu, 25 Aug 2011 19:15:07 +0000
From: m5aka <m5aka@...>
Subject: [eu-amsat] Re: Soyuz-U - Progress M-12M
To: eu-amsat@yahoogroups.com
Send reply to: no_reply@yahoogroups.com

> Hi Luc,
>
> All Soyuz launchers are now grounded see
>
> http://www.bbc.co.uk/news/science-environment-14669014
>
> 73 Trevor M5AKA
>
>
In short never change a good recipes
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4371. EDUSAT

Yahoo group: eu-amsat
Date: 2011-08-30 18:51:41 UTC
From: Trevor .
Topic: 4371 Message: 4371

Email below was posted to the CubeSat reflector. It would appear that Italy is allocating frequencies in the Amateur Satellite Service segment to non-Amateur satellites.

Their website says
http://www.gaussteam.com/index.php?option=com_content&view=article&id=91:unisat-program&catid=29:unisat&Itemid=195

"The communication system uses frequencies in the 145MHz band to communicate from ground to satellite (uplink) and frequencies in the 435MHz band for communications from the satellite to earth (downlink). It also provides the S-band."

The implication is that this non-Amateur satellite is using an Amateur Primary allocation for command and control uplink.

73 Trevor M5AKA

This is the GAUSS group which is in charge of Edusat satellite.

We want to calm down Giulio: Edusat mission is carrying on flawlessly. We have communicated with it and he told us that the weather is a bit chilly but the panorama is great.

We have seen that many wrong informations are reported on the web. For example, all the radio frequencies are wrong. Edusat is not a radioamateur satellite and has an experimental license for communicating.

We didn't thought our satellite could be so interesting for the space community. Thank you for giving us so much attention.

Gruppo di Astrodinamica Università degli Studi Sapienza
Via Salaria, 851
00138 Roma

4372. Re: [eu-amsat] EDUSAT

Yahoo group: eu-amsat
Date: 2011-08-30 21:18:30 UTC
From: Thomas Frey
Topic: 4371 Message: 4372

Trevor . schrieb:
> Email below was posted to the CubeSat reflector. It would appear that Italy is allocating frequencies in the Amateur Satellite Service segment to non-Amateur satellites.
>

Hello Trevor

I fully agree. We had many discussions here in the group about this theme, last I was reviled - "this is not illegal". I thought this is a place for a free meaning.

Anyway, UniSat-3 from La Sapienza Uni Rome was also an same intruder, legal or illegal. And the known Russian satellites with DOKA-B transponder uses also the 2m HAM frequencies for remote uplink.

> Their website says
> http://www.gaussteam.com/index.php?option=com_content&view=article&id=91:unisat-program&catid=29:unisat&Itemid=195
>
> "The communication system uses frequencies in the 145MHz band to communicate from ground to satellite (uplink) and frequencies in the 435MHz band for communications from the satellite to earth (downlink). It also provides the S-band."
>
> The implication is that this non-Amateur satellite is using an Amateur Primary allocation for command and control uplink.
>
> 73 Trevor M5AKA
> ----
> This is the GAUSS group which is in charge of Edusat satellite.
>
> We want to calm down Giulio: Edusat mission is carrying on flawlessly. We have communicated with it and he told us that the weather is a bit chilly but the panorama is great.
>
> We have seen that many wrong informations are reported on the web. For example, all the radio frequencies are wrong. Edusat is not a radioamateur satellite and has an experimental license for communicating.
>
Hmmm... hopefully this satellite operates on commercial frequencies !
Yes, it is NOT a radioamateur satellite. My information from IARU is, there was an experimental licence given for 435.750 MHz (http://www.amsatuk.me.uk/iaru/informal_detail.php?serialnum=202)

During the last weekends I listened on this QRG but heard nothing.
The NORAD number for Keplerian data is 37788.

> We didn't thought our satellite could be so interesting for the space community. Thank you for giving us so much attention.
>

Is this sarcasm ?

> Gruppo di Astrodinamica Universit? degli Studi Sapienza
> Via Salaria, 851
> 00138 Roma
> ----
>
>
I hope they don't mean radio amateur frequencies are for free for everyone.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4373. Re: [eu-amsat] EDUSAT

Yahoo group: eu-amsat
Date: 2011-08-31 07:26:55 UTC
From: Luc Leblanc
Topic: 4371 Message: 4373

On 30 Aug 2011 at 19:51, Trevor . wrote:

Date sent: Tue, 30 Aug 2011 19:51:41 +0100 (BST)
From: "Trevor ." <m5aka@...>
Subject: [eu-amsat] EDUSAT
To: AMSAT-EU Group <eu-amsat@yahoogroups.com>
Send reply to: no_reply@yahoogroups.com

>he told us that the weather is a bit chilly but the panorama is great.

Aside of the WX and the panorama did they tell the frequencies they are using if: "all the radio frequencies are wrong"?

> We didn't thought our satellite could be so interesting for the space community. Thank you for giving us so much attention.
>

>Is this sarcasm ?

> Gruppo di Astrodinamica Università degli Studi Sapienza
> Via Salaria, 851
> 00138 Roma
> ----
>
>
I hope they don't mean radio amateur frequencies are for free for everyone.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

>Is this sarcasm ?

If they disclose their frequencies probably not but there is surely a way to find the frequencies they are using as something at the government level surely give them some king of autorisation to used their commercial frequencies...? Normaly the Italian Ministry of Communications should posted or make available those frequencies somewhere? EG:maintains the national Register of communications operators

http://www2.agcom.it/eng/e_intro/e_consig_.htm

"-"

Luc Leblanc VE2DWE
Skype VE2DWE

www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4374. Re: EDUSAT

Yahoo group: eu-amsat
Date: 2011-08-31 20:59:06 UTC
From: m5aka
Topic: 4371 Message: 4374

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> I hope they don't mean radio amateur frequencies are for free for
> everyone.

That is the danger.

The previous satellite UNISAT-4 from Gauss was on the ill fated launch of July 26, 2006.

Although it was a non-Amateur satellite it used Amateur Satellite Service frequencies for the uplink and downlink.

When the Dnepr launch failed UNISAT-4 was lost along with a Russian Federation satellite Baumanets that is belived to have been using Amateur Satellite Service frequencies and 14 Amateur Satellite Service CubeSats.

73 Trevor M5AKA

4375. IARU-R1 - Disconnect D-Star Repeaters Violating Bandplan

Yahoo group: eu-amsat
Date: 2011-08-31 22:34:00 UTC
From: Trevor .
Topic: 4375 Message: 4375

Edition 58 of the IARU Region 1 VHF-UHF-UW Newsletter publishes the notes from the key C5 committee meeting at the IARU-R1 Sun City conference.

There are a number of Italian repeaters operating in the Amateur Satellite Service segment from 145.8-146.0 MHz causing interference to the uplinks and downlinks of Amateur Radio satellites. Among them are:

D-STAR:
IR0MA 145.99375MHz -1.975 Roma, Lazio
IR7AZ 145.97500MHz -1.250 San Giovanni Rotondo , Puglia

Also these Italian repeaters using other modes:
FM: IR0CK 145.8500MHz -0.600 Roma (Internet Linked)
Echolink: IQ0FP 145.8875MHz Node 522 131
Packet: IK4MTK-6 145.975MHz Parma, North Italy

The IARU-R1 Sun City conference C5 committee meeting notes say:

SC11_C5_16 – D-Star in Italy using SAT-Band

IARU R1 stresses the importance of satellite service and band plans also in case of the introduction of new modes. It is recommended to disconnect repeaters/nodes from international D-Star network if these are operated in contradiction to IARU-R1 band plans.

Action points:
1. Write the repeater operator to remove out of satellite segment.
2. Inform the trust server operator of the IARU bandplan breach made by the use of the repeater.
3. Inform the government about the repeater and request them to remove the repeater.

Action for the chairman OE1MCU

Voted in favour: All unanimous in favour

---
73 Trevor M5AKA

4376. KiwiSAT - Article

Yahoo group: eu-amsat
Date: 2011-09-01 11:03:33 UTC
From: Trevor .
Topic: 4376 Message: 4376

Massey students create space satellite software

http://www.scoop.co.nz/stories/ED1108/S00164/massey-students-create-space-satellite-software.htm

73 Trevor M5AKA

4377. IARU AC Meeting Summary

Yahoo group: eu-amsat
Date: 2011-09-04 10:27:37 UTC
From: Trevor .
Topic: 4377 Message: 4377

The IARU administative council meeting took place in Sun City on August 19-20 and the summary has now been released. The Amateur Satellite Service is mentioned in several places.

Among them is the expansion of the 70cm CubeSat segment:

"6.3. Owing to his presence in Sun City for the regional conference, IARU Satellite Adviser Hans van de Groenendaal, ZS6AKV, presented his report in person and supplemented his report with oral remarks. He mentioned that educational institutional satellites using amateur radio frequencies were increasing. The Satellite Advisory Panel has expanded the CubeSat band from 437.305 – 437.505 MHz by 100 kHz to 437.605 while
taking into account certain ARISS preferred slots. He mentioned the opportunity to convert the CubeSats to amateur usage upon completion of the educational institutional experimental usage and in this way anticipated more satellite availability for the amateur-satellite service."

Read the 2011 IARU Administrative Council Summary Record at
http://www.iaru.org/2011ACSummaryRecord.pdf

Notes of the IARU Region 1 C5 committee meeting that took place August 14-16 have been published in the VHF-UHF-MW newsletter Editon 58. The Amateur Satellite Service is mentioned, see
http://www.oevsv.at/export/oevsv/download/UKW/Newsletter_58.pdf

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73 Trevor M5AKA
Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/
Email Your News To: editor at southgatearc.org
Or Upload At: http://www.southgatearc.org/news/your_news_1.htm
---

4378. IARU Region 1 Minutes of the Final Plenary

Yahoo group: eu-amsat
Date: 2011-09-04 10:47:50 UTC
From: Trevor .
Topic: 4378 Message: 4378

The minutes of the Final Plenary of the IARU Region 1 meeting held in Sun City have now been released. Among the satellite releated items are:

SC11_C3_Rec _02 – Document SC11_C3_37a
To add to the constitution
A.1.3.11 Protection of the fundamental, natural and finite resource “frequency spectrum,” to keep it clean and undisturbed from man-made electromagnetic disturbances causing harmful interference to the amateur service and the amateur satellite service.

SC11_C5_Rec_10 - SC11_C5_16
D-Star in Italy using SAT-Band
Escalation Procedure:
1. Write the repeater operator to remove out of satellite segment.
2. Inform the trust server operator of the IARU bandplan breach made by the use of the repeater.
3. Inform the government about the repeater and request them to remove the repeater.
Proposed by OeVSV, seconded by REF. Approved unanimously.

SC11_C5_Rec_23 - SC11_C5_44
VHF Handbook Satellite Chapter
Removal of the existing Satellite chapter and replace with the attachment of paper 44.

SC11_C5_Rec_26 - SC11_C5_48
IARU satellite coordinator co-worker
Willi Vollenweider, HB9AMC, prepared the paper. Stefan L. Streif, HB9TTQ, introduced the paper. Graham, G3VZV, confirmed the need for this support. It would be best to involve Hans van de Groenendaal, ZS6AKV (the current coordinator) in this regard. Then ask Willi, HB9AMC, to contact Hans directly to work together in developing the youth satellite programme. Stefan Dombrowski, ON6TI, can also be involved. Hans, ZS6AKV, will be asked to include Willi and Stefan as co-workers into the Satellite ground station network for university satellite projects.
Proposed by USKA, seconded by SARL. Approved unanimously.

IARU R1 Minutes of the Final Plenary, August 17, 2011

https://www.nrrl.no/component/docman/doc_download/149-sun-city-2011-final-plenary-meeting-minutes?Itemid=814

---
73 Trevor M5AKA
Daily Amateur Radio Email/RSS News: http://www.southgatearc.org/
Email Your News To: editor at southgatearc.org
Or Upload At: http://www.southgatearc.org/news/your_news_1.htm
---

4379. Radio hams tune in to space airwaves

Yahoo group: eu-amsat
Date: 2011-09-05 11:19:13 UTC
From: Trevor .
Topic: 4379 Message: 4379

John Heath G7HIA has written an article about amateur radio space communications for the October edition of the British Interplanetary Society magazine Spaceflight.

The Spaceflight description says:
"Radio amateurs have always been keen to exploit new means of communication and John Heath [G7HIA] provides a fascinating insight into how satellite technology has transformed the world of the radio ham soon after the launch of Sputnik right up to the present day."

The article covers the FUNcube satellite, ARISSat, GB4FUN and the FUNcube Dongle SDR.

You can buy the October edition of Spaceflight magazine via
http://www.spaceflightmagazine.com/pages/latest-issue.html

---
73 Trevor M5AKA

4380. UK Smartphone CubeSat STRaND-1

Yahoo group: eu-amsat
Date: 2011-09-07 21:41:22 UTC
From: Trevor .
Topic: 4380 Message: 4380

The UK Smartphone CubeSat STRaND-1 will carry an Android Smartphone and plans to use data rates of 9k6 or 19k2 bps for the AX.25 packet radio downlink. A software-based speech synthesiser will be included to pay homage to the UOSAT family of satellites.

The 3U CubeSat measures 30 by 10 by 10 cm and weighs 3 kg. Unlike previous CubeSats it will feature full 3-axis control with the attitude an orbit control system comprising a nano-magnetorquer, nano-reaction wheels, GPS receiver, 8 pulse plasma thrusters and a butane thruster.

Further information at:

http://www.uk.amsat.org/2011/09/07/uk-smartphone-cubesat-strand-1/

73 Trevor M5AKA

4381. Re: [eu-amsat] UK Smartphone CubeSat STRaND-1

Yahoo group: eu-amsat
Date: 2011-09-08 10:40:11 UTC
From: Thomas Frey
Topic: 4380 Message: 4381

Hello All

Trevor . schrieb:
> The 3U CubeSat measures 30 by 10 by 10 cm and weighs 3 kg. Unlike previous CubeSats it will feature full 3-axis control with the attitude an orbit control system comprising a nano-magnetorquer, nano-reaction wheels, GPS receiver, 8 pulse plasma thrusters and a butane thruster.

It would be interesting to know, if such a satellite with this
thrusters can reach a MEO or HEO orbit ?

>
> Further information at:
>
> http://www.uk.amsat.org/2011/09/07/uk-smartphone-cubesat-strand-1/
>
> 73 Trevor M5AKA
>
>
See also following links:

http://www.facebook.com/nanosats
http://www.southgatearc.org/news/january2011/mobile_phone_in_orbit.htm
http://www.surrey.ac.uk/mediacentre/press/2011/45866_smartphone_satellite_developed_by_surrey_space_researchers.htm

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4382. Prospero - Experiments and Ground Station

Yahoo group: eu-amsat
Date: 2011-09-08 21:28:17 UTC
From: Trevor .
Topic: 4382 Message: 4382

A description of the historic Prospero satellite and its experiments along with images of the ground station can be downloaded from

http://www.uk.amsat.org/2011/09/08/experiments-on-the-prospero-satellite/

73 Trevor M5AKA

4383. Re: UK Smartphone CubeSat STRaND-1

Yahoo group: eu-amsat
Date: 2011-09-10 00:04:49 UTC
From: m5aka
Topic: 4380 Message: 4383

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Hello All
> It would be interesting to know, if such a satellite with this
> thrusters can reach a MEO or HEO orbit ?

As I understand it they are only to enable minor changes of position position not to significantly raise the orbit. As far am I'm aware no CubeSat has been able to manouver in space so if they work it'll be a major step forward.

The 3-Axis control using the nano-magnetorquer, nano-reaction wheels is also of great importance.

It's amazing how much equipment they have managed to pack into a 3U Cubesat.

73 Trevor M5AKA

4384. Re: [eu-amsat] Re: UK Smartphone CubeSat STRaND-1

Yahoo group: eu-amsat
Date: 2011-09-10 12:31:29 UTC
From: Thomas Frey
Topic: 4380 Message: 4384

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> Hello All
>> It would be interesting to know, if such a satellite with this
>> thrusters can reach a MEO or HEO orbit ?
>>
> As I understand it they are only to enable minor changes of position position not to significantly raise the orbit. As far am I'm aware no CubeSat has been able to manouver in space so if they work it'll be a major step forward.
>
> The 3-Axis control using the nano-magnetorquer, nano-reaction wheels is also of great importance.
>
> It's amazing how much equipment they have managed to pack into a 3U Cubesat.
>
> 73 Trevor M5AKA
>
>
Hello Trevor, I see. But I think its possible to construct such a
satellite. The miniaturization runs forward also for HAM-satellites.
It could be a next project for AMSAT. Or am I too optimistic and we
have to change to short wave for DX operation ? I always hope for
P3E, the hope never dies ...

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4385. Re: UK Smartphone CubeSat STRaND-1

Yahoo group: eu-amsat
Date: 2011-09-10 15:02:15 UTC
From: m5aka
Topic: 4380 Message: 4385

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> Hello Trevor, I see. But I think its possible to construct such a
> satellite. The miniaturization runs forward also for HAM-satellites.
> It could be a next project for AMSAT. Or am I too optimistic and we
> have to change to short wave for DX operation ? I always hope for
> P3E, the hope never dies ...

Yes you are right I think this technology can be used for raising the Apogee but first it needs proved that it works. This is why STRaND is good as it will try out the technology and highlight any design deficiencies.

Like you I keep hoping for P3E and perhaps the Moon project that Peter mentioned may provide the funding to get it launched. I know AMSAT-UK has been contributing funds to the project over the past 7 or so years as have AMSAT-NA and many individuals and of course AMSAT-DL has put a vast amount of money and volunteer effort into it. I hope we will see it launched by 2015.

The future I think will be for 3U CubeSat sized Amateur satellites with a propulsion system rather than the larger sats such as P3E. Launch costs for a 3U into a 500-700km LEO are within the reach of the Amateur community. What is needed is the means to then raise the orbit to an apogee at 1400 km or ideally 7000 km to enable DX working. As well as STRaND there are others developing propulsion systems for 3U CubeSats let's hope they are successful.

73 Trevor M5AKA

4386. Re: Orange fireball

Yahoo group: eu-amsat
Date: 2011-09-12 03:22:45 UTC
From: Luc Leblanc
Topic: 4386 Message: 4386

An orange fireball has been observed during about 5 to 10 seconds plunging towards the south east here disappearing behind tree line
(Horizon) on sunday september 11 around 0730 UTC (0330 EDT) Meteor or space debris?? anyone observed this?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4387. Re: [eu-amsat] Re: Orange fireball

Yahoo group: eu-amsat
Date: 2011-09-12 12:25:08 UTC
From: pmafer
Topic: 4386 Message: 4387

http://www.space.com/12859-nasa-satellite-falling-space-debris-uars.html???

Paulo F.

On Mon, Sep 12, 2011 at 4:22 AM, Luc Leblanc <lucleblanc6@videotron.ca>wrote:

> **
>
>
>
>
> An orange fireball has been observed during about 5 to 10 seconds plunging
> towards the south east here disappearing behind tree line
> (Horizon) on sunday september 11 around 0730 UTC (0330 EDT) Meteor or space
> debris?? anyone observed this?
>
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
>

4388. Re: [eu-amsat] Re: Orange fireball

Yahoo group: eu-amsat
Date: 2011-09-13 13:36:20 UTC
From: Luc Leblanc
Topic: 4386 Message: 4388

Thank's for the link Paulo

But no one seems to have seen anything yet

> http://www.space.com/12859-nasa-satellite-falling-space-debris-uars.html???
>
>
> > **
> >
> >
> >
> >
> > An orange fireball has been observed during about 5 to 10 seconds plunging
> > towards the south east here disappearing behind tree line
> > (Horizon) on sunday september 11 around 0730 UTC (0330 EDT) Meteor or space
> > debris?? anyone observed this?
> >

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4389. ARISSat-1 on Ham Nation Show

Yahoo group: eu-amsat
Date: 2011-09-13 15:24:38 UTC
From: Trevor .
Topic: 4389 Message: 4389

TAPR President, Steve Bible N7HPR, discusses the new amateur radio satellite ARISSat-1 on this weeks edition of the popular video show Ham Nation

Steve appears after the item on the Elecraft KX3 portable SDR transceiver.

Watch Ham Nation episode 16 at
http://twit.cachefly.net/video/hn/hn0016/hn0016_h264b_864x480_500.mp4

Other Ham Nation episodes can be seen at
http://twit.tv/show/ham-nation/

Ham Nation airs live each Tuesday at 6:00 PT/ 9:00ET at
http://live.twit.tv/

---
73 Trevor M5AKA

4390. IARU Region 1 President to hold Webinar on General Conference

Yahoo group: eu-amsat
Date: 2011-09-16 21:31:34 UTC
From: Trevor .
Topic: 4390 Message: 4390

A webinar on the recent IARU Region 1 General Conference will be held 0930 GMT on Thursday, September 22. Interested radio amateurs can follow the presentation. Register in advance at http://tinyurl.com/September22IARU

The IARU Region 1 site says:

IARU Region 1 President Hans Blondeel Timmerman will inform the members of the CEPT Working Group Regulatory Affairs (WGRA) on Thursday, 22 September 2011 between 1130 and 1230 CEST (0930 to 1130 UTC) on the results of the IARU Region 1 General Conference, held from 13 to 18 August 2011 in Sun City, South Africa.

All radio amateurs in Region 1 and beyond interested can follow his presentation and the discussion at the WGRA meeting in Prague via the Webinar (Web Seminar) facility of CEPT. Virtual participants will also be able to ask questions to the presenter in the Questions & Answers session following the presentation.

The Webinar is be open to all interested parties, however prior registration is necessary to attend it, according to CEPT. Interested parties can register at the following URL:

http://www.cept.org/ecc/groups/ecc/wg-ra/page/wgra-webinar-on-22-september-2011-results-of-the-22nd-general-conference-of-iaru-r1/

There are no special system requirements to particpate in the Webinar.

Additional note: The registration page asks for a name, country and email address as well as organisation you belong to, e.g. national society. When you click the Register Now button it automatically displays a link to use at 0930 GMT Thursday, the same link is also emailed.

IARU Region 1
http://www.iaru-r1.org/

---
73 Trevor M5AKA

4391. CXBN

Yahoo group: eu-amsat
Date: 2011-09-19 20:52:24 UTC
From: Trevor .
Topic: 4391 Message: 4391

I was just reading through the IARU information on the CubeSat CXBN, see
http://www.amsatuk.me.uk/iaru/finished_detail.php?serialnum=218

It says:
"All student operators and engineering team members are required to obtain an individual amateur radio operators license."

I was glad to see this encouragement for students to take up Amateur Radio. It appears that some CubeSats that operate in the Amateur Satellite Service allocations may have just one or possibly no Amateurs at all on the team. Perhaps that is the reason that some groups obtain an Experimental licence from their Goverment regulator to use Amateur Satellite Service frequencies.

I hope the example set by CXBN will be followed elsewhere. I do of course realise that in some countries it will be difficult. In one country that springs to mind I believe it can take a year to do the exam with a further wait of up to 1 year for the Government Department to issue a licence.

73 Trevor M5AKA

4392. VO-52 operating in FM

Yahoo group: eu-amsat
Date: 2011-09-22 15:43:36 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4392 Message: 4392

Hello All,

As you will probably know, the VO-52 satellite can be operated in FM, so if you want, these two weeks I☐ll be QRV in this mode during the VO-52 passes over my QTH.

These are the details to operate it:

Downlink frequency: 145.920 Mhz. FM (+-doppler)

Uplink frequency: 435.230 Mhz. FM (+- doppler)

Opposite to the other birds, in this one we have to left fixed the downlink frequency and correct the doppler effect in the uplink. Last two days I have tested it and the bird sounds really, really well.

Hope to heard you soon on it,

73 de EA1JM, Fran

PD.- This is a suggestion mode, if anyone prefers to use it on the normal SSB operation, please feel free to do it.

4393. Re: [eu-amsat] VO-52 operating in FM

Yahoo group: eu-amsat
Date: 2011-09-22 20:48:52 UTC
From: Thomas Frey
Topic: 4392 Message: 4393

Hello Francisco

Yes, its technically possible to operate VO-52 in FM, it has a bent-pipe transponder. What comes in goes out. BUT !! There is a Gentleman agreement not to use VO-52 in FM for regular QSO's. Except for emergency communication.
Please accept this rule, Thank You Francisco.

Francisco Jim?nez-Mart?n S?nchez schrieb:
>
>
> Hello All,
>
> As you will probably know, the VO-52 satellite can be operated in FM,
> so if you want, these two weeks I?ll be QRV in this mode during the
> VO-52 passes over my QTH.
>
> These are the details to operate it:
>
> Downlink frequency: 145.920 Mhz. FM (+-doppler)
>
> Uplink frequency: 435.230 Mhz. FM (+- doppler)
>
> Opposi te to the other birds, in this one we have to left fixed the
> downlink frequency and correct the doppler effect in the uplink. Last
> two days I have tested it and the bird sounds really, really well.
>
> Hope to heard you soon on it,
>
> 73 de EA1JM, Fran
>
> PD.- This is a suggestion mode, if anyone prefers to use it on the
> normal SSB operation, please feel free to do it.
>
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4394. Re: [eu-amsat] VO-52 operating in FM

Yahoo group: eu-amsat
Date: 2011-09-23 06:59:51 UTC
From: Nitin Muttin [VU3TYG]
Topic: 4392 Message: 4394

Good reply, Thanks Thomas for clarifying on the query from EA1JM.
--
Regards

Nitin [VU3TYG]
Secretary, AMSAT India
vu3tyg@...
www.amsatindia.org

--------- Original Message --------
From: eu-amsat@yahoogroups.com
To: eu-amsat@yahoogroups.com <eu-amsat@yahoogroups.com>
Subject: Re: [eu-amsat] VO-52 operating in FM
Date: 22/09/11 01:22

> Hello Francisco
>
> Yes, its technically possible to operate VO-52 in FM, it has a bent-pipe
> transponder. What comes in goes out. BUT !! There is a Gentleman agreement
> not to use VO-52 in FM for regular QSO's. Except for emergency
> communication.
> Please accept this rule, Thank You Francisco.
>
>
> Francisco Jim?nez-Mart?n S?nchez schrieb:
> >
> >
> > Hello All,
> >
> > As you will probably know, the VO-52 satellite can be operated in FM,

> > so if you want, these two weeks I?ll be QRV in this mode during the
> > VO-52 passes over my QTH.
> >
> > These are the details to operate it:
> >
> > Downlink frequency: 145.920 Mhz. FM (+-doppler)
> >
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> >
> > Opposi te to the other birds, in this one we have to left fixed the
> > downlink frequency and correct the doppler effect in the uplink. Last

> > two days I have tested it and the bird sounds really, really well.
> >
> > Hope to heard you soon on it,

> >
> > 73 de EA1JM, Fran
> >
> > PD.- This is a suggestion mode, if anyone prefers to use it on the
> > normal SSB operation, please feel free to do it.
> >
> >
>
> --
>
> Mit freundlichen Gr?ssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>
> ----------
>
> Yahoo! Groups Links
>
> <*> To visit your group on the web, go to:
> http://groups.yahoo.com/group/eu-amsat/
>
> <*> Your email settings:
> Individual Email | Traditional
>
> <*> To change settings online go to:
> http://groups.yahoo.com/group/eu-amsat/join
> (Yahoo! ID required)
>
> <*> To change settings via email:
> eu-amsat-digest@yahoogroups.com
> eu-amsat-fullfeatured@yahoogroups.com
>
> <*> To unsubscribe from this group, send an email to:
> eu-amsat-unsubscribe@yahoogroups.com
>
> <*> Your use of Yahoo! Groups is subject to:
> http://docs.yahoo.com/info/terms/
>
>
>

4395. AMSAT-UK - Autumn OSCAR News

Yahoo group: eu-amsat
Date: 2011-09-29 21:38:53 UTC
From: m5aka
Topic: 4395 Message: 4395

The autumn edition of the colour A4 newsletter OSCAR News is being posted to AMSAT-UK members this week

As usual it's packed with Amateur Satellite articles:

- Haven't Got A Callsign - regular column by Clive Wallis G3CWV
- Memories of working Astronaut Helen Sharman GB1MIR by Chris Lorek G4HCL
- Louis Varney Cup Presentation to Paul Robinson 2E1EUB
- ARISSat-1 Reception
- USA NTIA WRC proposal for an ITU "Educational" Satellite Service
- ARISSat Update
- AMSAT-UK FUNcube Satellite Testing at RAL
- Syncart geostationary transponder
- Report on First UK National Space Conference 2011
- AMSAT-UK FUNcube Satellite Project Report
- KiwiSAT Current Status
- IARU Region 1 Sun City Report
- 2011 AMSAT-UK Colloquium Report
- QB50 Latest News

To receive this copy of OSCAR News join AMSAT-UK online at
http://tinyurl.com/JoinAMSAT-UK/

If you've never seen OSCAR News before you can get an idea of what it's like by downloading a sample issue from
http://www.uk.amsat.org/on_193_final.pdf

AMSAT-UK
http://www.uk.amsat.org/

---
73 Trevor M5AKA

4396. New ITU Service for CubeSats and Nanosats ?

Yahoo group: eu-amsat
Date: 2011-10-01 13:06:39 UTC
From: Trevor .
Topic: 4396 Message: 4396

The latest issue of the AMSAT-UK publication OSCAR News highlights the US NTIA proposal to create a new ITU satellite service for CubeSats and Nanosats.

The proposal seeks one or more frequency bands, totalling up to 10 MHz of spectrum, to support command, control, and data relay for nanosatellites and picosatellites performing a variety of functions.

It proposes that a study be undertaken after WRC 2012 so that the item be placed on the preliminary agenda for WRC 2019. It is unclear where the UHF spectrum for a new ITU service would come from.

Read the NTIA proposal 'Studies for identifying up to 10 MHz of spectrum for space research service in the 400-2025 MHz range for the operation of nanosatellites and picosatellites'.
http://www.ntia.doc.gov/WRC_2012/Documents/NTIA_Proposal/NTIA_Proposal_2011-02-23_8.2(Nanosat).doc

Other NTIA WRC documents can be downloaded from
http://www.ntia.doc.gov/page/documents-and-proposals

OSCAR News is published quarterly by AMSAT-UK and posted to members.
To get your copy join AMSAT-UK online at http://tinyurl.com/JoinAMSAT-UK/

If you've never seen OSCAR News before you can get an idea of what it's like by downloading a sample issue from
http://www.uk.amsat.org/on_193_final.pdf

73 Trevor M5AKA

4397. Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-04 19:25:26 UTC
From: Trevor .
Topic: 4397 Message: 4397

The October issue of Sat Magazine carries an 8 page article by Randa Relich Milliron, Interorbital Systems Chief Executive Officer, in which she describes the Neptune rockets and their TubeSat and CubeSat payloads.

The first Neptune 9 rocket is planned to launch mid 2012 and will carry 40+ TubeSats and CubeSats. A number of amateur radio CubeSats will be on this launch including Vietnam's F-1 and the Danish EuroLuna, Romit 1.

Read pages 46-53 of the October Sat Magazine at
http://www.satmagazine.com/2011/SM_Oct_2011.pdf

Interorbital Systems
http://www.interorbital.com/

73 Trevor M5AKA

4398. Re: [eu-amsat] Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-04 23:17:17 UTC
From: Thomas Frey
Topic: 4397 Message: 4398

Trevor . schrieb:
> The October issue of Sat Magazine carries an 8 page article by Randa Relich Milliron, Interorbital Systems Chief Executive Officer, in which she describes the Neptune rockets and their TubeSat and CubeSat payloads.
>
> The first Neptune 9 rocket is planned to launch mid 2012 and will carry 40+ TubeSats and CubeSats. A number of amateur radio CubeSats will be on this launch including Vietnam's F-1 and the Danish EuroLuna, Romit 1.
>
> Read pages 46-53 of the October Sat Magazine at
> http://www.satmagazine.com/2011/SM_Oct_2011.pdf
>
> Interorbital Systems
> http://www.interorbital.com/
>
> 73 Trevor M5AKA
>

Hello Trevor and group

UCISat-1 is also manifested, see Launch manifest
http://www.interorbital.com/Launch%20Manifest%20Page%20_1.htm and
http://ucisat.eng.uci.edu/ . Do you know of more satellites with
HAM QRG (I don't write "amateur radio CubeSats") ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4399. ARI Amateur Radio Satellite Meeting Report

Yahoo group: eu-amsat
Date: 2011-10-05 11:15:50 UTC
From: Trevor .
Topic: 4399 Message: 4399

The 8th Italian Amateur Radio Association (ARI) satellite meeting was held in the Joseph Hotel in Marina di Pietrasanta (Lu) on September 18, 2011.

An English language PDF report of the meeting along with pictures of the event can be downloaded from:

http://www.uk.amsat.org/2011/10/05/ari-amateur-radio-satellite-meeting-report/

73 Trevor M5AKA

4400. Re: Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-05 11:46:59 UTC
From: m5aka
Topic: 4397 Message: 4400

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> UCISat-1 is also manifested, see Launch manifest
> http://www.interorbital.com/Launch%20Manifest%20Page%20_1.htm and
> http://ucisat.eng.uci.edu/ . Do you know of more satellites with
> HAM QRG (I don't write "amateur radio CubeSats") ?

Thanks, I hadn't spotted that one on the manifest. It's on the IARU Amateur Satellite Frequency Coordination pages at
http://www.amsatuk.me.uk/iaru/finished_detail.php?serialnum=65

Sadly none of the sats on the launch are transponder satellites which is what we need.

I'm not clear what the orbit will be. UCISat-1 was planned to go on the Neptune 30 launcher which would have had an orbit of just 310 km resulting in burn-up after a couple of months.

The Neptune 9 launcher may be going into a higher orbit, does anyone know ?

Given it'll be the first launch of Neptune 9 there must be a high probability of launch failure. It took Space-X four launches to get it right.

73 Trevor M5AKA

4401. Re: [eu-amsat] Re: Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-05 12:59:23 UTC
From: Thomas Frey
Topic: 4397 Message: 4401

m5aka schrieb:
>
> The Neptune 9 launcher may be going into a higher orbit, does anyone know ?
>
> Given it'll be the first launch of Neptune 9 there must be a high probability of launch failure. It took Space-X four launches to get it right.
>
> 73 Trevor M5AKA
>
>
Trevor, I think you mean _Falcon-9_ from SpaceX:
http://www.spacex.com/falcon9.php

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4402. Re: [eu-amsat] Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-05 17:56:22 UTC
From: Bill Ress
Topic: 4397 Message: 4402

Hi Trevor,

Thanks for the post.

BTW, for some time I've wanted to thank you for your many informative posts regarding AMSAT-UK and European Amateur Radio related satellite news. So here goes - THANKS!

I'm connected to the satellite industry out here on the West Coast and I must tell you that the "professional locals" out here are very, very skeptical about Interorbital and their chances for success.

I share their pessimism, but you never know. I would dearly love to see them succeed since it could open up affordable launch opportunities for the CubeSat community. Except for some engine firings they have continued to put off the "real" launch, not even being able to pin down their launch site, while several are given. So I'll keep my $8000 in the bank for now.

Regards...Bill - N6GHz

On 10/4/2011 12:25 PM, Trevor . wrote:
> The October issue of Sat Magazine carries an 8 page article by Randa
> Relich Milliron, Interorbital Systems Chief Executive Officer, in which
> she describes the Neptune rockets and their TubeSat and CubeSat payloads.
>
> The first Neptune 9 rocket is planned to launch mid 2012 and will carry
> 40+ TubeSats and CubeSats. A number of amateur radio CubeSats will be on
> this launch including Vietnam's F-1 and the Danish EuroLuna, Romit 1.
>
> Read pages 46-53 of the October Sat Magazine at
> http://www.satmagazine.com/2011/SM_Oct_2011.pdf
>
> Interorbital Systems
> http://www.interorbital.com/
>
> 73 Trevor M5AKA
>
>

4403. Re: [eu-amsat] ARI Amateur Radio Satellite Meeting Report

Yahoo group: eu-amsat
Date: 2011-10-05 18:54:45 UTC
From: Roberto
Topic: 4399 Message: 4403

Hello,sorry web report link incorrect AMSAT-Italy in Google English
http://tinyurl.com/AMSAT-Italy
ok and this is the link:
http://www.ari.it/index.php?option=com_content&view=category&id=84&Itemid=86&lang=it

or http://hamsats.altervista.org/sito/ (maintenance at the time)

Thank

73 de iw5bsf Roberto

----- Original Message -----
From: Trevor .
To: AMSAT-EU Group
Sent: Wednesday, October 05, 2011 1:15 PM
Subject: [eu-amsat] ARI Amateur Radio Satellite Meeting Report

The 8th Italian Amateur Radio Association (ARI) satellite meeting was held in the Joseph Hotel in Marina di Pietrasanta (Lu) on September 18, 2011.

An English language PDF report of the meeting along with pictures of the event can be downloaded from:

http://www.uk.amsat.org/2011/10/05/ari-amateur-radio-satellite-meeting-report/

73 Trevor M5AKA

4404. Re: Neptune TubeSat and CubeSat Launcher

Yahoo group: eu-amsat
Date: 2011-10-10 14:39:34 UTC
From: m5aka
Topic: 4397 Message: 4404

--- In eu-amsat@yahoogroups.com, Bill Ress <bill@...> wrote:
> Except for some engine firings they have continued to put off
> the "real" launch, not even being able to pin down
> their launch site, while several are given. So I'll keep
> my $8000 in the bank for now.

Hi Bill,

Yes I wouldn't part with any money either. They say they are first going to do sub-orbital launches without payloads which given the difficulties would be sensible.

I hope they develop a launch system that works and get sufficient funding from somewhere to sustain the company until they can acheive successful orbital launches.

73 Trevor M5AKA

4405. Deployable CubeSat Solar Panel Environmental Test

Yahoo group: eu-amsat
Date: 2011-10-10 19:03:52 UTC
From: Trevor .
Topic: 4405 Message: 4405

Glasgow company ClydeSpace are developing the UK satellite UKube-1.

They recently released a short video showing deployment of the Solar Panels during environmental tests, see

http://www.youtube.com/watch?v=xGpCRWlZUXc

UKube-1 will carry a set of AMSAT-UK FUNcube boards which will have a 435/145 MHz linear transponder.

73 Trevor M5AKA

4406. PW-Sat will carry a transponder

Yahoo group: eu-amsat
Date: 2011-10-21 17:37:28 UTC
From: Trevor .
Topic: 4406 Message: 4406

The Polish satellite PW-Sat due to be launched into a 300 by 1500 km orbit will carry a 145 to 435 'AO-16 style' transponder.

Further information at

http://www.uk.amsat.org/2011/10/21/pw-sat-to-launch-in-january/

73 Trevor M5AKA

Join AMSAT-UK online at http://tinyurl.com/JoinAMSAT-UK/
Free sample issue at http://www.uk.amsat.org/on_193_final.pdf

4407. Re: [amsat-bb] Re: SatPC32 version 12.8b is released

Yahoo group: eu-amsat
Date: 2011-10-21 19:04:44 UTC
From: Luc Leblanc
Topic: 4407 Message: 4407

Whats wrong with you if someone prefer to donate to a real international amateur radio satellite AMSAT GROUP instead of continental box
sat? my dear friend? If you don't like what you read just use your delete key as i am doing actually on this BB 80% goes in the bit bucket
and it's steadily growing.

> Domenico...If you have a problem with AMSAT-NA, please donate to whoever is
> bending to your desires the most, and save the rest of us the pain of your
> posts!
>

>
> To support what AMSAT ? AMSAT-DL to help for P3E or AMSAT-NA
> to help for very small the FM Microsat or Cubesat ?
>
> 73" de
>
> i8CVS Domenico
>

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4408. Re: [amsat-bb] Re: knowledge required

Yahoo group: eu-amsat
Date: 2011-10-23 09:27:11 UTC
From: Luc Leblanc
Topic: 4408 Message: 4408

> Words of Wisdom!
>
> Life is too short to waste it in the past. Unfortunately, too many are
> trapped in their "good old days" mentality. What a pitty and waste.
>
> Stefan, VE4NSA

As in any society there is always conflicting relationship between ages group. For one some are too old and they are living in the past,
and for others they are too young inexperienced claiming their way is the way to go.

Acquiring and gaining experience take's time and patience but today we want immediate results "Plug and play era" discarding others past
experiences.

It's not a question of skills and competence it's a question of minding and learning. Taking short cuts to achieved lower goals can only
lead after couple years to disappointments and lack of interest. That's why those who where lucky to work on HEO satellite says it's the
only one way to go if we want to create a sustainable critical mass of skilled amateur satellite operator.

It's the very true nature of Ham radio to communicate over the greatest distance "DX" those who are satisfied by the fact they can reach a
space cube are in a learning process. That's why those cube sat should be considered an entry class satellite. Exponentially increasing
entry class satellite does not provided on the long term any viable solution aside of saving the furniture.IMHO.

Lets say the better than nothing minding who should be considered as a way to deal with exception is now a standard.

If we want to know where to go we should always also know where we come from! If finding an affordable HEO launcher is an obstacle trying
to avoid instead of facing the obstacle is not a solution its'a more a lack of courage and faith than anything else that's why AMSAT-DL are
still engaged toward P3E and Mars. It takes time and patience.

Ask those who are working EME why they spent a lot of time and money to achieved their goals? they will all tell you this the only way to
go if we want to be able to work the moon HT'S and rubber duckies and tape measure antenna are not enough to reach the far distant moon and
the ultimate "DX" contact. If you just bear in mind this you will be able to understand why those "old" operators wants for you "increased
your range of communication in time and distance" they only wished that you can also enjoyed world-wide communication through satellites.
The chosen words are not always what they should be but bottom line they are only want the

best for you.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
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WAC BASIC CW PHONE SATELLITE

4409. FO-29 – status

Yahoo group: eu-amsat
Date: 2011-10-28 20:21:35 UTC
From: Terje Haug
Topic: 4409 Message: 4409

Dear all,

I appear to have missed the reason for FO-29 going silent. In September I filed a report to JARL on the status of the SAT as received in my square, though I did not receive any response. The signal appeared to be deteriorating during August and September, and me had my last confirmed QSO on September 17th through FO-29.

I have noted it was reported silent on the SAT monitoring web page of KD5QGR as well not in the AMSAT web page listing anymore.

So to anybody knowing something about the status; is it a control station shut down for a period of time, or has FO-29 ceased to operate?

73 de LA5PBA - Terje

4410. Re: [eu-amsat] FO-29 – status

Yahoo group: eu-amsat
Date: 2011-10-29 00:29:11 UTC
From: Thomas Frey
Topic: 4409 Message: 4410

Terje Haug schrieb:
>
>
> Dear all,
> I appear to have missed the reason for FO-29 going silent. In
> September I filed a report to JARL on the status of the SAT as
> received in my square, though I did not receive any response. The
> signal appeared to be deteriorating during August and September, and
> me had my last confirmed QSO on September 17th through FO-29.
> I have noted it was reported silent on the SAT monitoring web page of
> KD5QGR as well not in the AMSAT web page listing anymore.
> So to anybody knowing something about the status; is it a control
> station shut down for a period of time, or has FO-29 ceased to operate?
> 73 de LA5PBA - Terje
>

Hello Terje

Because of long eclipses, FO-29 had shut down itself via its under
volt control (UVC). I don't know the actual status. The best will
be you observe the beacon on 435.7964 MHz when FO-29 is sunlit.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4411. Chart of CubeSat Frequencies

Yahoo group: eu-amsat
Date: 2011-11-06 12:35:28 UTC
From: Trevor .
Topic: 4411 Message: 4411

Christophe has produced a handy chart showing the CubeSat UHF downlink frequencies.

http://cubesat.free.fr/IMG//pdf/Cubesat_-_frequence_bande_U.pdf

CubeSat France in Google English http://tinyurl.com/CubeSatfFrance

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org

4412. Any ECHO can be received???

Yahoo group: eu-amsat
Date: 2011-11-08 02:49:54 UTC
From: Luc Leblanc
Topic: 4412 Message: 4412

With so many High power radio telescope bombarding this tiny 2005 YU55 is it possible to hear something from IT? as an Echo!
It was probably the dooms day event forecast for 2012 who used to be a bit earlier than expected... it is not what each of us hope to
happen or who expect for the/our ultimate end? Is 2005 YU55 will be maintaining a steady orbital path for his next turn around? Curious no
one forecast this event?

http://www.radio-canada.ca/nouvelles/science/2011/11/07/002-asteroide-terre-lune.shtml

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4413. UKube-1 final design approved

Yahoo group: eu-amsat
Date: 2011-11-08 12:25:13 UTC
From: Trevor .
Topic: 4413 Message: 4413

The UK space Agency and Astrium have approved the final design of UKube-1 – the UK’s first CubeSat.

On Thursday and Friday, November 3-4, a young team of engineers from Clyde Space presented their final design to a team of experts for the Critical Design Review (CDR) – the typical ‘gateway’ for space missions to proceed into the flight build and implementation phase.

Full story at

http://www.uk.amsat.org/2011/11/08/ukube-1-final-design-approved/

---
73 Trevor M5AKA
Join AMSAT-UK online at http://tinyurl.com/JoinAMSAT-UK/

4414. Re: Any ECHO can be received???

Yahoo group: eu-amsat
Date: 2011-11-08 12:36:26 UTC
From: m5aka
Topic: 4412 Message: 4414

Yes Luc it may be possible.

There has been some discussion of it on the Radio Astronomy Group reflector at

http://tech.groups.yahoo.com/group/baa-rag/

73 Trevor M5AKA

4415. Re: Any ECHO can be received???

Yahoo group: eu-amsat
Date: 2011-11-08 19:01:16 UTC
From: m5aka
Topic: 4412 Message: 4415

Luc, some information from BAA-RAG:

Yesterday evening (UK time) astronomers using NASA's Deep Space Network antenna in Goldstone, California captured new radar images of Asteroid 2005 YU55 approaching the Earth. The images were taken about 19:45 UT on November 7 when this very dark object was still some 3.6 times the distance of the Moon away. Details can be found at:

http://www.nasa.gov/mission_pages/asteroids/main/index.html
http://www.nasa.gov/mission_pages/asteroids/news/yu55-20111107.html

NASA scientists will continue to track 2005 YU55 for at least four hours each day until November 10. Radar observations from the Arecibo Planetary Radar Facility in Puerto Rico will begin on November 8. The object will make its closest approach to Earth on November 8 at 23:28 UT at some 324,600 km or 0.85 the distance from the Moon to Earth.

Although UK observers are well placed to watch the last few hours of its approach, the weather prospects here are pretty dire for the entire country. However there are two 'live' broadcasts being organised via the Slooh organisation which you may be interested in. Details are at the Slooh website / Twitter at:

http://events.slooh.com
http://twitter.com/#!/Slooh

In particular, two "radio shows" are planned for tonight (8th/9th), the first at 21:00 UT will hopefully show live images of 2005 YU55 using the Slooh Half-Metre telescope on Mount Teide, Tenerife, weather permitting; the second, at 02:00 UT (on the 9th) will be using Slooh's partner's 24" telescope based in Arizona. Both shows will be hosted by Bob Berman of Astronomy magazine. Dr. Robert McMillan (2005 YU55's discover) will be appearing as a guest during the first show. There is a possibility that, as the BAA's Asteroids and Remote Planets Section Director, I may also take part on the first radio show from 21:15 UT.

4416. Re: [amsat-bb] Re: Fwd: Mystery of the Lunar Ionosphere

Yahoo group: eu-amsat
Date: 2011-11-17 08:59:12 UTC
From: Luc Leblanc
Topic: 4416 Message: 4416

On 15 Nov 2011 at 21:25, Tony Langdon wrote:

Date sent: Tue, 15 Nov 2011 21:25:20 +1100
From: Tony Langdon <vk3jed@...>
Subject: [amsat-bb] Re: Fwd: Mystery of the Lunar Ionosphere
To: GW1FKY@..., amsat-bb@...

>
> >Hi,
> >While we are on the subject of the Moon and looking back at missions - take
> > a look at the web pages I have forwarded. Should prove quite a talking
> >point in terms of our hobby - ionosphere and radio communications
> >on and around the Moon.
>
> Suddenly ham radio on the moon looks a whole lot more
> interesting. New propagation experiments to try to characterise the
> lunar ionosphere's RF properties. Only trouble is getting there.
>
> 73 de VK3JED / VK3IRL
> http://vkradio.com
>

I just got a flash is it possible the moon bounce signal where reflected on this
"ionosphere" instead of the moon surface or both or is it
the moon libration signal often reported by moon bouncer a kind of signal mix the one
reflected over the surface and the one reflected by
the ionosphere back to the moon surface working against each other?

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4417. FUNcube-1 Forum + ISS Columbus UHF Station

Yahoo group: eu-amsat
Date: 2011-11-17 13:33:47 UTC
From: Trevor .
Topic: 4417 Message: 4417

See

FUNcube-1 Satellite Forums
http://www.uk.amsat.org/2011/11/16/funcube-1-satellite-forums/

and

UHF Station on ISS Columbus module
http://www.uk.amsat.org/2011/11/17/uhf-station-on-iss-columbus-module/

73 Trevor M5AKA

4418. ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 11:22:12 UTC
From: Trevor .
Topic: 4418 Message: 4418

A reminder that the Space Plasma experiment “Shadow” onboard the International Space Station (ISS) takes place at the end of this week Nov 25-28 and again on Dec 2-5.

Details at http://tinyurl.com/ISSplasma

73 Trevor M5AKA

4419. Re: [eu-amsat] ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 13:43:18 UTC
From: Thomas Frey
Topic: 4418 Message: 4419

Trevor . schrieb:
> A reminder that the Space Plasma experiment “Shadow” onboard the International Space Station (ISS) takes place at the end of this week Nov 25-28 and again on Dec 2-5.
>
> Details at http://tinyurl.com/ISSplasma
>
> 73 Trevor M5AKA
>
>
Hello group

I'm sceptical in opposite to this experiment. I think it's an "one way ticket" for this commercial(?) institute. Or does this institute contribute a plasma thruster motor for an AMSAT satellite later ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4420. Re: ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 14:03:18 UTC
From: m5aka
Topic: 4418 Message: 4420

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> I'm sceptical in opposite to this experiment. I think it's an "one way
> ticket" for this commercial(?) institute. Or does this institute
> contribute a plasma thruster motor for an AMSAT satellite later ?

The institute is part of the Federal Space Agency Roscosmos, who provided the ARISSat launch, and the experiment was devised by a radio amateur on their staff.

I agree with you that we must be on our guard against the use of amateur radio spectrum for commercial gain. Swatch was one such company that tried that 12 years ago.
http://news.bbc.co.uk/1/hi/sci/tech/320560.stm

73 Trevor M5AKA

4421. Re: [eu-amsat] Re: ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 15:10:08 UTC
From: Thomas Frey
Topic: 4418 Message: 4421

m5aka schrieb:
> --- In eu-amsat@yahoogroups.com, Thomas Frey<th.frey@...> wrote:
>
>> I'm sceptical in opposite to this experiment. I think it's an "one way
>> ticket" for this commercial(?) institute. Or does this institute
>> contribute a plasma thruster motor for an AMSAT satellite later ?
>>
> The institute is part of the Federal Space Agency Roscosmos, who provided the ARISSat launch, and the experiment was devised by a radio amateur on their staff.
>
> I agree with you that we must be on our guard against the use of amateur radio spectrum for commercial gain. Swatch was one such company that tried that 12 years ago.
> http://news.bbc.co.uk/1/hi/sci/tech/320560.stm
>
> 73 Trevor M5AKA
>
>

Hello Trevor

OK. The "story" about Swatch was evident. But today also commercial groups jumps on the CubeSat "train" and mean "ah, amateur radio frequencies are free for use!". So we must be heavily on our guard and must make strong differences between Universities and commercial "jumpers". Universities are accepted now, but not from all (this is an other story).

But there are also "black sheep's" of Universities. Its very hard to make differences. I read from an American initiative from IARU to ITU for different frequencies, not in the HAM-band, for University/school satellites. May this help. Have you any specific Infos ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4422. Re: [eu-amsat] Re: ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 15:51:03 UTC
From: Luc Leblanc
Topic: 4418 Message: 4422

```
>
> OK. The "story" about Swatch was evident. But today also commercial
> groups jumps on the CubeSat "train" and mean "ah, amateur radio
> frequencies are free for use!". So we must be heavily on our guard
> and must make strong differences between Universities and commercial
> "jumpers". Universities are accepted now, but not from all (this is
> an other story).
>
> But there are also "black sheep's" of Universities. Its very hard to
> make differences. I read from an American initiative from IARU to ITU
> for different frequencies, not in the HAM-band, for University/school
> satellites. May this help. Have you any specific Infos ?
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> ----------------------------------------------------------------------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
```

We should not discard this commercial advertisement option it can help a lot to finance a launch we are in 2011 near 2012 and things are
changing we should adapt as the French government does on the D-STAR protocol in France

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4423. Re: ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 17:34:20 UTC
From: m5aka
Topic: 4418 Message: 4423

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> I read from an American initiative from IARU to ITU
> for different frequencies, not in the HAM-band, for University/school
> satellites. May this help. Have you any specific Infos ?

Timescales indicate at best it would go before ITU in 2019. Even if successful it may be several years after that before such a band(s) can be used.

All I know is what is contained in these proposals -

NTIA 10 MHz in 400-2025 MHz Proposal

This is about a designated band that can be used for operations, including command, control, and data transmission. Note it says band and not bands you would have though they would have wanted two bands say 50 MHz+ apart to enable full duplex operation of the downlink and the command and control uplink.

Also see

NTIA 410-420 MHz Proposal
http://www.ntia.doc.gov/WRC_2012/Documents/NTIA_Proposal/NTIA_Proposal_2011-04-15_8.2%28SRS%29.doc

USA 410-420 MHz Proposal
http://www.ntia.doc.gov/WRC_2012/Documents/US_Proposal/US_Proposal_2011-07-18_8.2(SRS).doc

73 Trevor M5AKA

4424. Re: ISS Space Plasma Test 145.825 MHz Nov 25-28

Yahoo group: eu-amsat
Date: 2011-11-21 17:43:54 UTC
From: m5aka
Topic: 4418 Message: 4424

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
> I read from an American initiative from IARU to ITU
> for different frequencies, not in the HAM-band, for
> University/school satellites. May this help.
> Have you any specific Infos ?

With missing URL:

Timescales indicate at best it would go before ITU in 2019. Even if successful it may be several years after that before such a band(s) can be used.

All I know is what is contained in these proposals -

NTIA 10 MHz in 400-2025 MHz Proposal
http://www.ntia.doc.gov/WRC_2012/Documents/NTIA_Proposal/NTIA_Proposal_2011-02-23_8.2%28Nanosat%29.doc

This is about a designated band that can be used for operations, including command, control, and data transmission. Note it says band and not bands you would have though they would have wanted two bands say 50 MHz+ apart to enable full duplex operation of the downlink and the command and control uplink.

Also see

NTIA 410-420 MHz Proposal
http://www.ntia.doc.gov/WRC_2012/Documents/NTIA_Proposal/NTIA_Proposal_2011-04-15_8.2%28SRS%29.pdf

USA 410-420 MHz Proposal
http://www.ntia.doc.gov/WRC_2012/Documents/US_Proposal/US_Proposal_2011-07-18_8.2(SRS).pdf

73 Trevor M5AKA

4425. Re: New ITU Service for CubeSats and Nanosats ?

Yahoo group: eu-amsat
Date: 2011-11-21 19:50:18 UTC
From: hb9ska
Topic: 4396 Message: 4425

--- In eu-amsat@yahoogroups.com, "Trevor ." <m5aka@...> wrote:
>
> The latest issue of the AMSAT-UK publication OSCAR News highlights the US NTIA proposal to create a new ITU satellite service for CubeSats and Nanosats.
>
> The proposal seeks one or more frequency bands, totalling up to 10 MHz of spectrum, to support command, control, and data relay for nanosatellites and picosatellites performing a variety of functions.
>
> It proposes that a study be undertaken after WRC 2012 so that the item be placed on the preliminary agenda for WRC 2019. It is unclear where the UHF spectrum for a new ITU service would come from.
>
> Read the NTIA proposal â□□Studies for identifying up to 10 MHz of spectrum for space research service in the 400-2025 MHz range for the operation of nanosatellites and picosatellitesâ□□.
> http://www.ntia.doc.gov/WRC_2012/Documents/NTIA_Proposal/NTIA_Proposal_2011-02-23_8.2(Nanosat).doc
>
> Other NTIA WRC documents can be downloaded from
> http://www.ntia.doc.gov/page/documents-and-proposals
>
> OSCAR News is published quarterly by AMSAT-UK and posted to members.
> To get your copy join AMSAT-UK online at http://tinyurl.com/JoinAMSAT-UK/
>
> If youâ□□ve never seen OSCAR News before you can get an idea of what itâ□□s like by downloading a sample issue from
> http://www.uk.amsat.org/on_193_final.pdf
>
> 73 Trevor M5AKA
>

Just a resend about our last mails.

73 de Thomas - HB9SKA

4426. ARISSat-1 Interview

Yahoo group: eu-amsat
Date: 2011-11-25 17:52:39 UTC
From: Trevor .
Topic: 4426 Message: 4426

See
http://www.uk.amsat.org/2011/11/25/arissat-1-gould-smith-wa4sxm-interview/

73 Trevor M5AKA

4427. Radio Amateurs Receive Mars Science Laboratory

Yahoo group: eu-amsat
Date: 2011-11-27 16:13:05 UTC
From: Trevor .
Topic: 4427 Message: 4427

James Miller G3RUH remotely reconfigured the tracking and receiving system at the AMSAT-DL Amateur Radio facility in Bochum, Germany to receive the NASA Mars Science Laboratory X-Band telemetry. The signal was received automatically, no-one had to be physically on-site.

Another remarkable acheivement by the AMSAT-DL team.

Read the full story at
http://www.uk.amsat.org/2011/11/27/radio-amateurs-receive-mars-science-laboratory/

AMSAT-DL: http://tinyurl.com/AMSAT-DL

73 Trevor M5AKA
AMSAT-UK publishes a newsletter, OSCAR News, full of Amateur Satellite information. Sample issue at http://www.uk.amsat.org/on_193_final.pdf
Join online at http://alturl.com/avuca
AMSAT-UK: http://www.uk.amsat.org/

4428. Re: [amsat-bb] Satellite Satire

Yahoo group: eu-amsat
Date: 2011-11-29 15:02:07 UTC
From: Luc Leblanc
Topic: 4428 Message: 4428

On 29 Nov 2011 at 8:49, K4FEG wrote:

Date sent: Tue, 29 Nov 2011 08:49:31 -0600
From: K4FEG <K4FEG@...>
Subject: [amsat-bb] Satellite Satire
To: amsat-bb@...

> OK I have a suggestion: a new inexpensive satellite, It will be
> designated: *ReNe-Sat-3, *that will be an abbreviation for: *Red Neck
> Satellite #3 (Dale Ernharts Sr. NASCAR #).
>
> *We will take 2 Woxun HT's, 2 Larsen Mag-mounts, 2**1/4 wave antennas, a
> solar panel with charger from Northern Hydraulics and last but not least
> about 100 feet of NASCAR 200mph duct tape.
>
> We take the 2 radios set them up for our frequencies, duct tape them
> together mount the antennas on the solar panel hook the solar panel up
> to the HT batteries and last but not least we send two of the south's
> finest: *Astronaut "Bubba & Cooter"* up with the new bird to deploy it.
> We will tell Bubba & Cooter that they can have free passes to all the
> NASCAR races for 2012 when they get this satellite working and in orbit.
>
> I promise they will have that thing (or should i say "thang") up and
> running in HEO and be back before the first race in February 2012.
>
> For those that are not sure, YES I AM MAKING A JOKE!
>
> /*It is difficult work to keep these satellites working and the control
> operators deserve a round of applause from us for all that they have
> done to extend the life of AO51 and all of the other birds.
>
> THANK YOU ONE AND ALL! A JOB WELL DONE!
> */
> Frank
> K4FEG

There is even a more simple solution just use what it is already installed aboard ISS a cross band repeater and a lot of other piece of
amateur radio equipment.

And for the next satellite a fail safe system who can run the satellite when batteries are depleted EG: something very basic who can run
when the satellite is in the Sun.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
HTTP://www.ve2cbs.qc.ca
WAC BASIC CW PHONE SATELLITE

4429. Radio hams pick up Mars rover Curiosity's signals

Yahoo group: eu-amsat
Date: 2011-12-04 13:47:46 UTC
From: Thomas Frey
Topic: 4429 Message: 4429

http://www.theregister.co.uk/2011/11/28/radio_hams_curiosity_signals/

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4430. Re: [amsat-bb] Re: Wow

Yahoo group: eu-amsat
Date: 2011-12-05 17:58:34 UTC
From: Luc Leblanc
Topic: 4430 Message: 4430

On 5 Dec 2011 at 9:35, Vince Fiscus, KB7ADL wrote:

Date sent: Mon, 05 Dec 2011 09:35:21 -0700
From: "Vince Fiscus, KB7ADL" <vlfiscus@...>

>
> Well the CB'ers don't have AO-51 anymore so they have to vent someplace.
>
>
> KB7ADL
> Proud member of the gallbladder Brigade
>

Date sent: Mon, 05 Dec 2011 17:55:19 +0100
From: PE0SAT <pe0sat@...>

>
> Thanks for this clear statement.
>
>
> 73 Jan PE0SAT
>

There was a Acceptable Use Policy for the AMSAT Public Mailing Lists since January 5, 2010. As i always suspected it was only put in force
to silence any opinions not favorable to AMSAT-NA. We just see that clearly with the actual saga this policy is not working revealing this
so called "acceptable use policy" is a disguised way to censored the AMSAT-NA BB.

http://www.amsat.org/amsat-new/images/fck_images/AMSAT%20AUP.pdf

The good thing when you kick a bag of garbage rodent some times come out... I was always asking myself who they are? We have a fairly good
idea now.

>My apologies for breaching any etiquette of this -bb. I have also sent an apology to
>Gould as moderator.

I don't called that thing a moderator as i will refrain to used bad combination of words as "scum bag" words who are not appropriated on
any mailing list not even this combination "shut the fuck up dumbass, there will be nobody there on FM" who even pass through freely the
"Acceptable Use Policy for the AMSAT Public Mailing Lists".

I don't know how an AMSAT-NA member can accept that and continue to send money to support a so undemocratic organization?

AMSAT-NA is only focusing on LEO satellite always invoking a financial matter and ITAR as anything other hollow false pretexts to avoid to
regroup and back AMSAT-DL with the P3E project. Instead of working in a team to secure a launch they only work to please a small group of
people running for grids on a space FM repeater.

The VUCC ARRL rules prohibits repeater use making an exception for "satellite" probably due to AMSAT-NA pressure as you see below
aeronautical mobiles contacts does not count a satellite is just higher and should never be accepted as they are repeater.

Contacts with aeronautical mobiles (in the air) do NOT count.

For VUCC awards on 50 through 1296 MHz and Satellite, all contacts must be made from locations no more than 200 km apart. For SHF awards,
contacts must be made from a single location, defined as within a 300-meter diameter circle.

No contacts through active repeaters are permitted, except for Satellite Awards.

Bottom line the only good use of AO-51 was on the L and S band and SSB/DATA experiments both single channel U/V used at 90% for grid
chasing where a total non sense only increasing the frustration level among the "newbies" who quit the satellite fiels as fast the come to
it....

For the grids chaser just check the rules again and check your logs?

"For VUCC awards on 50 through 1296 MHz and Satellite, all contacts must be made from locations no more than 200 km apart. For SHF awards,
contacts must be made from a single location, defined as within a 300-meter diameter circle."

What is not permitted on a LEO can be valid on an HEO!!!

Another very proud member of the gallbladder Brigade!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4431. Get digital data received by kenwood to hyperterminal

Yahoo group: eu-amsat
Date: 2011-12-08 10:29:01 UTC
From: Pushkar
Topic: 4431 Message: 4431

Hello!
I am totally new to this group and to ham radio as well. My problem might seem to be very basic, but any help would be highly appreciated.
I have a Kenwood TS2000. A CC1020 transmits FSK modulated packet data at 437MHz at a baud rate of 1200. I need to receive this data via kenwood and get the digital data as the final output.
I tried really hard, but to no avail. :(
It would be great, if I could get a step by step procedure to how exactly, I can get kenwood to echo on the hyperterminal, the fsk demodulated digital (raw) data sent by the cc1020.

4432. Re: [eu-amsat] Get digital data received by kenwood to hyperterminal

Yahoo group: eu-amsat
Date: 2011-12-08 11:15:08 UTC
From: Thomas Frey
Topic: 4431 Message: 4432

Pushkar schrieb:
> Hello!
> I am totally new to this group and to ham radio as well. My problem might seem to be very basic, but any help would be highly appreciated.
> I have a Kenwood TS2000. A CC1020 transmits FSK modulated packet data at 437MHz at a baud rate of 1200. I need to receive this data via kenwood and get the digital data as the final output.
> I tried really hard, but to no avail. :(
> It would be great, if I could get a step by step procedure to how exactly, I can get kenwood to echo on the hyperterminal, the fsk demodulated digital (raw) data sent by the cc1020.
>
>
>
>
Hello Pushkar

First - Are you a radio amateur ? Please give us your call if you have one.

Your TS-2000 operates with Packet Radio 1200 bps and 9600 bps.

Packet Radio 1200 bps means:
- Modulation AFSK (Audio Frequency Shift Keying)
- Communication Protocol AX.25 (AmateurX.25)
- Data Rate 1200 bit/second

Packet Radio 9600 bps means:
- Modulation FSK (Frequency Shift Keying / without tones, binary data stream)
- Communication Protocol AX.25 (AmateurX.25)
- Data Rate 9600 bit/second

This are the two standards for amateur radio 'Packet Radio'.

Your 'Single Chip Low Power RF Transceiver'
(http://www.khalus.com.ua/kh/data/components/chipcon/data/CC1020/CC1020_Data_Sheet_1_5.pdf)
is specified for ISM and SRD, not for amateur radio. The same RF frequency doesn't mean, each device talks with another device.
Hope this helps.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4433. Re: Get digital data received by kenwood to hyperterminal

Yahoo group: eu-amsat
Date: 2011-12-08 12:17:12 UTC
From: Pushkar
Topic: 4431 Message: 4433

Hello!
Thank you for your prompt reply!
I actually have a very primary question. If I am sending out say 101010... modulated in FSK. (No protocol, nothing) how do I get that 101010... displayed in the hyperterminal, using Kenwood.

--- In eu-amsat@yahoogroups.com, Thomas Frey <th.frey@...> wrote:
>
> Pushkar schrieb:
> > Hello!
> > I am totally new to this group and to ham radio as well. My problem might seem to be very basic, but any help would be highly appreciated.
> > I have a Kenwood TS2000. A CC1020 transmits FSK modulated packet data at 437MHz at a baud rate of 1200. I need to receive this data via kenwood and get the digital data as the final output.
> > I tried really hard, but to no avail. :(
> > It would be great, if I could get a step by step procedure to how exactly, I can get kenwood to echo on the hyperterminal, the fsk demodulated digital (raw) data sent by the cc1020.
> >
> >
> >
> >
> Hello Pushkar
>
> First - Are you a radio amateur ? Please give us your call if you have one.
>
> Your TS-2000 operates with Packet Radio 1200 bps and 9600 bps.
>
> Packet Radio 1200 bps means:
> - Modulation AFSK (Audio Frequency Shift Keying)
> - Communication Protocol AX.25 (AmateurX.25)
> - Data Rate 1200 bit/second
>
> Packet Radio 9600 bps means:
> - Modulation FSK (Frequency Shift Keying / without tones, binary data
> stream)
> - Communication Protocol AX.25 (AmateurX.25)
> - Data Rate 9600 bit/second
>
> This are the two standards for amateur radio 'Packet Radio'.
>
> Your 'Single Chip Low Power RF Transceiver'
> (http://www.khalus.com.ua/kh/data/components/chipcon/data/CC1020/CC1020_Data_Sheet_1_5.pdf)

> is specified for ISM and SRD, not for amateur radio. The same RF
> frequency doesn't mean, each device talks with another device.
> Hope this helps.
>
> --
>
> Mit freundlichen Grüssen, Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>

4434. Re: Get digital data received by kenwood to hyperterminal

Yahoo group: eu-amsat
Date: 2011-12-08 13:59:39 UTC
From: m5aka
Topic: 4431 Message: 4434

Hi Pushkar,

Are you at the Indian Institute of Technology (IIT) ?

If I understand you correctly you are generating a 437 MHz FSK signal.

I do not know the TS-2000 but I think it's internal modem can only receive FM 1200 bps signals. (but I may be wromg about that)

To receive an FSK signal you need the TS-2000 set to USB (single sideband) and then feed the resultant audio output into a PC soundcard and use software to decode it.

It the UK free software called dl-fldigi is used to demodulate 433/434 MHz FSK telemetry used on balloon flights
http://www.southgatearc.org/news/december2011/digital_pictures_sent_from_balloon.htm

you can download dl-fldigi software from
http://ukhas.org.uk/projects:dl-fldigi

Hope I have understood your question correctly.

73 Trevor M5AKA

4435. Re: [eu-amsat] Re: Get digital data received by kenwood to hyperterminal

Yahoo group: eu-amsat
Date: 2011-12-08 15:23:45 UTC
From: Thomas Frey
Topic: 4431 Message: 4435

Pushkar schrieb:
> Hello!
> Thank you for your prompt reply!
> I actually have a very primary question. If I am sending out say 101010... modulated in FSK. (No protocol, nothing) how do I get that 101010... displayed in the hyperterminal, using Kenwood.
>

Try the command TRACE ON

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4436. Curious contraction

Yahoo group: eu-amsat
Date: 2011-12-09 06:32:20 UTC
From: Luc Leblanc
Topic: 4436 Message: 4436

This is a test transmission to see if it will pass the "AMSAT-BB " cold war era US censorship...

As nearly all my post on AMSAT-BB are censored as the former CCCP era

> We have simply decided to concentrate our efforts to what is more
> important for our community.

Is this community embrace the world or the US or it is the same thing as seen from their point of view?

This one is dedicated to my friend Richard M. Hambly, W2GPS and his new clowne Gould Smith, WA4SXM

Ask Rich what i wrote him ?

Here is his answer !!!

Just to remind our newbies what their so called leaders are and this one is just an excerpt of one of their very enlightening wisdom...

> Luc,
>
> The moderation is only for you at this time. I simply do not have the
> volunteer staff available to moderate the entire list and it is not
> necessary.
>
> Your comments about "free speech" are in error. AMSAT-BB is a privately
> owned and operated channel that is only as open as AMSAT chooses. When the
> content of message traffic becomes injurious to AMSAT then we must place
> some restrictions on the messages, as we will do now.
>
> I will not take issue with the content of your messages except that they
> have already created problems for AMSAT's fundraising and launch
> opportunities. If you feel the need to express your discontent with
> political and military issues, please do this on another public forum
> somewhere, not on AMSAT's BB.
>
> Any messages you send that have appropriate content (satellite construction
> and operation) and have no other inflammatory content in the message or the
> footers will be passed along onto the list by our list moderator. If you can
> show by example that you are willing to comply with this simple request I
> will remove the moderation requirement.
>
> Rick
> W2GPS

They are throwing their cowardness on others to avoid facing their own duties and responsibilities.

What a bunch of !!! old friends indeed!

****

Do not think of knocking out another person's brains because he differs in opinion from you. It would be as rational to knock yourself on
the head because you differ from yourself ten years ago.

Horace Mann
****
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4437. Euroluna Cubesat on TV

Yahoo group: eu-amsat
Date: 2011-12-09 21:31:37 UTC
From: Trevor .
Topic: 4437 Message: 4437

See

http://www.uk.amsat.org/2011/12/09/danish-euroluna-project-on-tv/

73 Trevor M5AKA

4438. OSCAR 1 - Feb QST Articles on AMSAT-UK site

Yahoo group: eu-amsat
Date: 2011-12-12 15:43:29 UTC
From: Trevor .
Topic: 4438 Message: 4438

The ARRL has kindly given permission to put some of the OSCAR 1 articles from the February 1962 edition of QST on the AMSAT-UK website.

Links are at the bottom of this article:

http://www.uk.amsat.org/2011/12/12/50th-anniversary-of-oscar-1/

73 Trevor M5AKA

4439. Delfi n3Xt Frequencies

Yahoo group: eu-amsat
Date: 2011-12-12 20:30:02 UTC
From: Trevor .
Topic: 4439 Message: 4439

The IARU Amateur Satellite Coordination pages have just been updated
http://www.amsatuk.me.uk/iaru/finished_detail.php?serialnum=138

"**A revised coordination has been provided to take into account other spacecraft likely to be on the same launch** transponder down 145.880 -145.920MHz and up 435.530-435.570MHz. telemetry and beacons on 145.870MHz and 145.930MHz and a high speed downlink on 2405.00MHz"

73 Trevor M5AKA

4440. Re: [eu-amsat] Delfi n3Xt Frequencies

Yahoo group: eu-amsat
Date: 2011-12-13 00:22:16 UTC
From: Thomas Frey
Topic: 4439 Message: 4440

Trevor . schrieb:
> The IARU Amateur Satellite Coordination pages have just been updated
> http://www.amsatuk.me.uk/iaru/finished_detail.php?serialnum=138
>
> "**A revised coordination has been provided to take into account other spacecraft likely to be on the same launch** transponder down 145.880 -145.920MHz and up 435.530-435.570MHz. telemetry and beacons on 145.870MHz and 145.930MHz and a high speed downlink on 2405.00MHz"
>
> 73 Trevor M5AKA
>
>
>
>

Hello Trevor

Here is the Delfi-n3Xt Project homepage:
http://www.delfispace.nl/index.php?option=com_content&view=section&layout=blog&id=9&Itemid=10

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4441. AMSAT-India Slides

Yahoo group: eu-amsat
Date: 2011-12-17 17:03:54 UTC
From: Trevor .
Topic: 4441 Message: 4441

I see from the slides of AMSAT-India's presentations at HFI 2011 that they hope to develop a CubeSat sized version of their transponder which is good news.

http://www.uk.amsat.org/2011/12/17/amsat-india-linear-transponder/

73 Trevor M5AKA

4442. Three Linear Transponder Sats for 2012

Yahoo group: eu-amsat
Date: 2011-12-17 17:13:44 UTC
From: Trevor .
Topic: 4442 Message: 4442

It looks as though 2012 should be a good year for linear transponder (SSB/CW) satellites with three new satellites hoping to launch.

- Delfi n3Xt 3U CubeSat 435 to 145 MHz linear transponder
- UKube-1 3U CubeSat 435 to 145 MHz linear transponder
- FUNcube 1U CubeSat 435 to 145 MHz linear transponder

73 Trevor M5AKA

4443. Video - From OSCAR 1 to Mars and Beyond

Yahoo group: eu-amsat
Date: 2011-12-17 17:56:46 UTC
From: Trevor .
Topic: 4443 Message: 4443

A video of the presentation about Amateur Radio Space Communications given by Mario Lorenz DL5MLO to hackers at the Chaos Communication Camp 2011 is now available, see

http://www.uk.amsat.org/2011/12/17/from-oscar-1-to-mars-and-beyond/

73 Trevor M5AKA

4444. RE: [eu-amsat] AMSAT-India Slides

Yahoo group: eu-amsat
Date: 2011-12-18 04:45:03 UTC
From: Nitin Muttin
Topic: 4441 Message: 4444

Hi Trevor,

This is work in progress and all the components have been populated on the PCB except for a few which arrived last week. I will include some photos in the Dec AMSAT INDIA news letter.

73’s

Nitin [VU3TYG]

Secretary, AMSAT INDIA

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Trevor .
Sent: Saturday, December 17, 2011 10:34 PM
To: AMSAT-EU Group
Subject: [eu-amsat] AMSAT-India Slides

I see from the slides of AMSAT-India's presentations at HFI 2011 that they hope to develop a CubeSat sized version of their transponder which is good news.

http://www.uk.amsat.org/2011/12/17/amsat-india-linear-transponder/

73 Trevor M5AKA

4445. PW-SAT on BRITE TV

Yahoo group: eu-amsat
Date: 2011-12-20 14:37:12 UTC
From: Trevor .
Topic: 4445 Message: 4445

PW-SAT which carries a 435/145 MHz AO-16 style transponder featured on BRITE TV. Watch the video (in Polish) at

http://www.uk.amsat.org/2011/12/20/pw-sat-on-brite-tv/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4446. Re: [eu-amsat] PW-SAT on BRITE TV

Yahoo group: eu-amsat
Date: 2011-12-20 17:25:50 UTC
From: Thomas Frey
Topic: 4445 Message: 4446

Trevor . schrieb:
> PW-SAT which carries a 435/145 MHz AO-16 style transponder featured on BRITE TV. Watch the video (in Polish) at
>
> http://www.uk.amsat.org/2011/12/20/pw-sat-on-brite-tv/
>
> AMSAT-UK: http://www.uk.amsat.org/
>
> 73 Trevor M5AKA
>
>
> ----------
>
>
See also the new website http://www.pw-sat.pl/ in English, also with interesting pictures.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4447. Re: [eu-amsat] PW-SAT on BRITE TV

Yahoo group: eu-amsat
Date: 2011-12-20 22:09:00 UTC
From: Trevor .
Topic: 4445 Message: 4447

Thanks Thomas

4448. ITAR Regulation

Yahoo group: eu-amsat
Date: 2011-12-23 06:19:36 UTC
From: yo9gjx
Topic: 4448 Message: 4448

Enebody know something about this?
Some countries impose severe restrictions on certain aspects of amateur radio. For example the amateur radio satellite community has been particularly affected by US Federal Government ITAR regulations which threaten radio amateurs with jail sentences and six figure fines if they collaborate with radio hams in the rest of the world on amateur satellite pojects.
All info here: -
http://www.southgatearc.org/news/december2011/codec2_and_defence_strateg\
ic_goods_list.htm
<http://www.southgatearc.org/news/december2011/codec2_and_defence_strate\
gic_goods_list.htm>

4449. Re: [eu-amsat] ITAR Regulation

Yahoo group: eu-amsat
Date: 2011-12-23 09:43:42 UTC
From: Marco IK1ODO -2
Topic: 4448 Message: 4449

At 07:19 23-12-11, you wrote:
>
>
>Enebody know something about this?
>
>Some countries impose severe restrictions on certain aspects of
>amateur radio. For example the amateur radio satellite community has
>been particularly affected by US Federal Government ITAR regulations
>which threaten radio amateurs with jail sentences and six figure
>fines if they collaborate with radio hams in the rest of the world
>on amateur satellite pojects.
>
>All info here: -
><http://www.southgatearc.org/news/december2011/codec2_and_defence_strategic_goods_list.ht
m>http://www.southgatearc.org/news/december2011/c
>odec2_and_defence_strategic_goods_list.htm

AFAIK the problem is in the housekeeping and attitude units (IHU),
that are subject to export restrictions. The US government is
considering a revision of the rules for "commercial" satellites, but
it is not clear if the amateur and universitary satellites are included or not.

73 - Maerco IK1ODO

4450. Seven Student CubeSats Ready For Flight

Yahoo group: eu-amsat
Date: 2011-12-23 10:34:18 UTC
From: Trevor .
Topic: 4450 Message: 4450

ESA has confirmed that 7 CubeSats will be flown on the first Vega flight.

This launch will also carry the microsatellite ALMASat-1. (In 2007 AO-51 switched to V/S 38k4 to support ALMASat ground station testing)

See
http://www.uk.amsat.org/2011/12/23/seven-student-cubesats-ready-for-flight/

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4451. Re: ITAR Regulations

Yahoo group: eu-amsat
Date: 2011-12-23 12:09:49 UTC
From: Trevor .
Topic: 4451 Message: 4451

It appears the restrictions extend far wider than just IHU units.

As I understand it just talking to people outside the USA about certains aspects of satellites could bring American citizens into breach of the regs.

IARU Region 3 report that a few years ago AMSAT-NA advised its members to stop cooperation with the KiwiSat project due to ITAR concerns.

73 Trevor M5AKA

4452. Re: [eu-amsat] Re: ITAR Regulations

Yahoo group: eu-amsat
Date: 2011-12-23 13:25:47 UTC
From: Thomas Frey
Topic: 4451 Message: 4452

Trevor . schrieb:
>
>
> It appears the restrictions extend far wider than just IHU units.
>
> As I understand it just talking to people outside the USA about
> certains aspects of satellites could bring American citizens into
> breach of the regs.
>
> IARU Region 3 report that a few years ago AMSAT-NA advised its members
> to stop cooperation with the KiwiSat project due to ITAR concerns.
>
> 73 Trevor M5AKA
>
>
>

Also the Phase-3E project was concerned by this stupid regulation.
Thanks to Mario Lorenz, DL5MLO, this problem is solved. See
http://www.southgatearc.org/news/july2010/phase_3e_news.htm

--

Merry Christmas, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4453. Re: [eu-amsat] Seven Student CubeSats Ready For Flight

Yahoo group: eu-amsat
Date: 2011-12-23 14:03:07 UTC
From: Thomas Frey
Topic: 4450 Message: 4453

Trevor . schrieb:
> ESA has confirmed that 7 CubeSats will be flown on the first Vega flight.
>
> This launch will also carry the microsatellite ALMASat-1. (In 2007 AO-51 switched to V/S 38k4 to support ALMASat ground station testing)
>
> See
> http://www.uk.amsat.org/2011/12/23/seven-student-cubesats-ready-for-flight/
>
> AMSAT-UK: http://www.uk.amsat.org/
>
> 73 Trevor M5AKA
>
>
>

Hello Trevor

Thanks for your reports and articles. After comparing the list I
miss OUFTI-1 and AtmoCube. SwissCube-2 is cancelled I think. See
your last article about SwissCube-1. With AlMaSat there will be
1 MicroSat and 9 CubeSats on the Vega maiden flight.

See my list at
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102#geplant
Do I miss anything ?

--

Merry Christmas, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4454. Re: [eu-amsat] Seven Student CubeSats Ready For Flight

Yahoo group: eu-amsat
Date: 2011-12-23 15:12:12 UTC
From: Trevor .
Topic: 4450 Message: 4454

--- On Fri, 23/12/11, Thomas Frey <th.frey@...> wrote:
> After comparing the list I miss OUFTI-1 and AtmoCube. SwissCube-2 is
> cancelled I think. See your last article about SwissCube-1.
> With AlMaSat there will be 1 MicroSat and 9 CubeSats on the Vega
> maiden flight.
> See my list at
> http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102#gepl
ant

It's just 7 CubeSats and the ALMASat Microsatellite.

The plan was for 9 CubeSats to be launched on Vega but only 7 CubeSats were delivered.

Neither OUFTI-1 or AtmoCube will be flying on Vega in January. Gunter's space page doesn't have any launch listed for them.

73 Trevor M5AKA

4455. AMSAT-Francophone

Yahoo group: eu-amsat
Date: 2012-01-02 18:39:47 UTC
From: Trevor .
Topic: 4455 Message: 4455

Just noticed there's a "new" AMSAT group AMSAT-Francophone

The AMSAT-Francophone website in French is at
http://www.amsat-f.org/

And in Google English at
http://tinyurl.com/AMSAT-Francophone

The website of the AMSAT-France organisation, which I believe ceased to exist at the last AGM, can be seen in French at
http://www.amsat-france.org/spipamsat/

or Google English: http://tinyurl.com/AMSAT-France-Org

73 Trevor M5AKA

4456. Re: [eu-amsat] AMSAT-Francophone

Yahoo group: eu-amsat
Date: 2012-01-02 18:48:02 UTC
From: Trevor .
Topic: 4455 Message: 4456

I got one of the Google English URL's wrong - corrected version
---
Just noticed there's a "new" AMSAT group AMSAT-Francophone

The AMSAT-Francophone website in French is at
http://www.amsat-f.org/

And in Google English at
http://tinyurl.com/AMSAT-Francophone

The website of the AMSAT-France organisation, which I believe ceased to exist at the last AGM, can be seen in French at
http://www.amsat-france.org/spipamsat/

or Google English: http://tinyurl.com/AMSAT-France-Eng

73 Trevor M5AKA

4457. FUNcube – Launch details and time frame fin alised

Yahoo group: eu-amsat
Date: 2012-01-03 14:16:03 UTC
From: Trevor .
Topic: 4457 Message: 4457

An agreement has now been reached with ISIS Launch Services BV, who are based in Delft in the Netherlands, for them to provide a launch of the FUNcube-1 CubeSat.

Read the full story at
http://www.uk.amsat.org/2012/01/03/funcube-launch-details/

---
73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4458. ARISSat-1 SK

Yahoo group: eu-amsat
Date: 2012-01-04 13:08:52 UTC
From: Trevor .
Topic: 4458 Message: 4458

ARISSat-1, deployed from the ISS on August 3, fell silent on Wednesday, January 4, as it re-entered the Earth’s atmosphere.

http://www.uk.amsat.org/2012/01/04/arissat-1-sk/

73 Trevor M5AKA

4459. FUNcube-1 ZDNET Article

Yahoo group: eu-amsat
Date: 2012-01-04 15:15:40 UTC
From: Trevor .
Topic: 4459 Message: 4459

Journalist David Meyer interviewed AMSAT-UK's Jim Heck G3WGM for his article on the FUNcube-1 satellite being built by AMSAT-UK volunteers. Read the article at

http://www.zdnet.co.uk/news/emerging-tech/2012/01/04/radio-amateurs-prep-launch-of-tiny-funcube-satellite-40094737/

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4460. Sat Magazine -CubeSat's and AMSAT-India Transponder

Yahoo group: eu-amsat
Date: 2012-01-07 12:01:50 UTC
From: Trevor .
Topic: 4460 Message: 4460

Lot's of Cubesat coverage in the January issue of Sat Magazine.

RAIKO, FITSAT-1, WE WISH, PRIME, the Vega CubeSats, QB50 and the AMSAT-India 435/145MHz Linear Transponder all get mentions.

Download your copy of Sat Magazine at
http://www.satmagazine.com/2012/SM_Jan_2012.pdf

73 Trevor M5AKA

4461. Triton-1 and Triton-2 to launch late 2012

Yahoo group: eu-amsat
Date: 2012-01-07 19:31:01 UTC
From: Trevor .
Topic: 4461 Message: 4461

Triton-1 and Triton 2 will launch with UKube-1 and Delfi n3Xt

Full Story at

http://www.uk.amsat.org/3434

AMSAT-UK: http://www.uk.amsat.org/

73 Trevor M5AKA

4462. Fwd: [Forum] Sounds from Space

Yahoo group: eu-amsat
Date: 2012-01-08 15:49:23 UTC
From: Thomas Frey
Topic: 4462 Message: 4462
Attachments: 1 described; binary payloads are missing from this source WARC

Please contact Matthias direct if you have any sounds to him.

4463. Video of ISS Descartes High School Contact

Yahoo group: eu-amsat
Date: 2012-01-10 08:53:39 UTC
From: Trevor .
Topic: 4463 Message: 4463

A video of Monday's ISS Descartes High School contact can be seen at

http://www.uk.amsat.org/3622

AMSAT-UK: http://www.uk.amsat.org/

Trevor M5AKA

4464. AMSAT Picture Albums

Yahoo group: eu-amsat
Date: 2012-01-13 20:35:04 UTC
From: Trevor .
Topic: 4464 Message: 4464

A collections of pictures of the early OSCAR satellites is now avaiable, see

http://www.uk.amsat.org/3722

73 Trevor M5AKA

4465. Re: [amsat-bb] Re: Probably a silly idea...

Yahoo group: eu-amsat
Date: 2012-01-18 20:42:25 UTC
From: Luc Leblanc
Topic: 4465 Message: 4465

On 18 Jan 2012 at 9:54, Edward R. Cole wrote:

Date sent: Wed, 18 Jan 2012 09:54:57 -0900
From: "Edward R. Cole" <kl7uw@...>
Subject: [amsat-bb] Re: Probably a silly idea...
To: "Trevor ." <m5aka@...>, amsat-bb@...

> AS I understand there are four antennas on the ISS available for ham
> use. So why does a package have to go outside? It can be installed
> inside, use ISS power, be turned on/off by astronauts at will or even
> unplugged? No batteries, no rocket propulsion, dangerous chemicals,
> no space-rated enclosure, no EVA.
>
> Last time I propose this I was told to shut my mouth and go away.
>
> 73, Ed - KL7UW

Just to add that your are not alone in your misery a lot received the usual AMSAT/ARISS usual kind of polite and chosen words including
myself...

As usual crossed post to eu-amsat@yahoogroups.com just in case the AMSAT-NA censorship office choose to censor it!
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4466. RS-39 (Chibis-M) Deploys January 25

Yahoo group: eu-amsat
Date: 2012-01-21 11:10:47 UTC
From: Trevor .
Topic: 4466 Message: 4466

The team of RS-39 will very much appreciate any reception reports of “Chibis-M”. Special attention is requested for the first orbits as these are outside of control stations for “Chibis-M”. Each report will be confirmed by special QSL card.

See

http://www.uk.amsat.org/3910

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4467. Re: [eu-amsat] RS-39 (Chibis-M) Deploys January 25

Yahoo group: eu-amsat
Date: 2012-01-21 15:07:41 UTC
From: Thomas Frey
Topic: 4466 Message: 4467

Trevor . schrieb:
> The team of RS-39 will very much appreciate any reception reports of “Chibis-M”. Special attention is requested for the first orbits as these are outside of control stations for “Chibis-M”. Each report will be confirmed by special QSL card.
>
> See
>
> http://www.uk.amsat.org/3910
>
> 73 Trevor M5AKA
> AMSAT-UK: http://www.uk.amsat.org/
> ----
>
>
Its curious to me that AMSAT-UK supports IARU uncoordinated projects
like this one. :-(

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4468. Re: [eu-amsat] RS-39 (Chibis-M) Deploys January 25

Yahoo group: eu-amsat
Date: 2012-01-21 15:56:08 UTC
From: Trevor .
Topic: 4466 Message: 4468

--- On Sat, 21/1/12, Thomas Frey <th.frey@...> wrote:
> Its curious to me that AMSAT-UK supports IARU uncoordinated projects
> like this one. :-(

and ARISSat-1/KEDR ;-)

No satellite from the Russian Federation has ever gone through IARU frequency coordination.

It is pleasing to see that an increasing number of groups around the world are now using the IARU frequency coordination process and I hope that more groups will be able to make use of this facility in the future.

The use of the Progress M-13M vehicle in this way provides a new means of getting satellites into orbit. I hope the deployment is successful and that there will be other opportunities in the future to deploy more satellites.

73 Trevor M5AKA

4469. Re: [eu-amsat] RS-39 (Chibis-M) Deploys January 24

Yahoo group: eu-amsat
Date: 2012-01-21 16:43:41 UTC
From: Trevor .
Topic: 4466 Message: 4469

A Moscow to UT conversion discrepency - the date/time should say January 24 at 23:14 UT

However, the NASA website gives a slighlty different time
01/24/12 -- Chibis-M deploy (6:19pm) [EST which would be 23:19 UT] see

http://www.nasa.gov/directorates/heo/reports/iss_reports/2012/01202012.html

73 Trevor M5AKA

4470. RS-39 Telemetry Decoder

Yahoo group: eu-amsat
Date: 2012-01-24 22:57:53 UTC
From: Trevor .
Topic: 4470 Message: 4470

Mike Rupprecht DK3WN has made available software to decode the RS-39 telemetry - http://www.dk3wn.info/files/rs39.zip

http://www.uk.amsat.org/4029

73 Trevor M5AKA

4471. SumbandilaSat beyond repair

Yahoo group: eu-amsat
Date: 2012-01-25 19:01:40 UTC
From: Trevor .
Topic: 4471 Message: 4471

South Africa’s second satellite, SumbandilaSat, is no longer fulfilling its main purpose due to technical problems and is essentially beyond repair, its maker SunSpace says.

http://www.uk.amsat.org/4076

73 Trevor M5AKA

4472. Masat-1 Elliptical Orbit Video + Telemetry Software

Yahoo group: eu-amsat
Date: 2012-01-28 11:32:14 UTC
From: Trevor .
Topic: 4472 Message: 4472

Masat-1 is planned to launch February 9. A video showing the proposed eliptical orbit can be seen at

http://www.uk.amsat.org/4119

Telemetry software and a .Wav file for testing are available for download.

73 Trevor M5AKA

4473. Tschibis-M launch system movie.

Yahoo group: eu-amsat
Date: 2012-01-28 13:49:32 UTC
From: allan_gm1sxx
Topic: 4473 Message: 4473

http://www.youtube.com/watch?v=qRxgwV3UdlU

Regards,
AL
GM1SXX

4474. New HamSatDroid version avaliable

Yahoo group: eu-amsat
Date: 2012-01-29 14:47:30 UTC
From: David Johnson
Topic: 4474 Message: 4474

Hi,

There is a new version of the free HamSatDroid app now available on the Android Market.

I've changed it:
- to use my SGP4 implementation, as used in GENSO.
- plot three orbits ahead on the map
- plot the footprint
- take keps from celestrak

I've got quite a few more changes in development, thanks to the feedback we've had from the existing users.

Opinions are sought about making a small charge and paying the income into satellite buidling funds
and supporting a server which might be introduced to improve functionality of the app.

73

Dave, G4DPZ
AMSAT-NA Life Member
AMSAT-UK Committee Member
FUNcube Data Warehouse Developer

4475. Doppler correction on ICOM 821H using WISP DDE

Yahoo group: eu-amsat
Date: 2012-01-30 15:05:23 UTC
From: Nitin Muttin
Topic: 4475 Message: 4475

Friends,

I am using Orbitron + Wispdde for automatic doppler correction on my ICOM 821H. I noticed that the frequency correction at the Radio is happening in 10 Hz steps instead of 1 Hz when on CW/SSB , the frequency correction displayed is 1Hz in Wisp DDE. Any pointers to resolve the issue will be appreciated.

73
Nitin [VU3TYG]

4476. Re: [eu-amsat] Doppler correction on ICOM 821H using WISP DDE

Yahoo group: eu-amsat
Date: 2012-01-30 18:19:03 UTC
From: Thomas Frey
Topic: 4475 Message: 4476

Nitin Muttin schrieb:
>
>
> Friends,
> I am using Orbitron + Wispdde for automatic doppler correction on my
> ICOM 821H. I noticed that the frequency correction at the Radio is
> happening in 10 Hz steps instead of 1 Hz when on CW/SSB , the
> frequency correction displayed is 1Hz in Wisp DDE. Any pointers to
> resolve the issue will be appreciated.
> 73
> Nitin [VU3TYG]
>

Nitin, do you really need 1 Hz steps ? I have an other rig, but do
a manual step at your rig. Can you get 1 Hz steps there ?

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4477. Re: [eu-amsat] Doppler correction on ICOM 821H using WISP DDE

Yahoo group: eu-amsat
Date: 2012-01-31 10:25:31 UTC
From: Nitin Muttin
Topic: 4475 Message: 4477

Hi Thomas,

1Hz steps works on CW/SSB when tuning manually

73
Nitin [VU3TYG]

From: Thomas Frey <th.frey@...>
To: eu-amsat@yahoogroups.com
Sent: Monday, 30 January 2012 11:49 PM
Subject: Re: [eu-amsat] Doppler correction on ICOM 821H using WISP DDE

Nitin Muttin schrieb:

>Friends,
>
>
>I am using Orbitron + Wispdde for automatic doppler correction on my ICOM 821H. I noticed that the frequency correction at the Radio is happening in 10 Hz steps instead of 1 Hz when on CW/SSB , the frequency correction displayed is 1Hz in Wisp DDE. Any pointers to resolve the issue will be appreciated.
>
>73
>Nitin [VU3TYG]
>
Nitin, do you really need 1 Hz steps ? I have an other rig, but do
a manual step at your rig. Can you get 1 Hz steps there ?

-- Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4478. Video – Vega’s First Launch Campaign + Ph oneSat Propulsion

Yahoo group: eu-amsat
Date: 2012-01-31 16:31:46 UTC
From: Trevor .
Topic: 4478 Message: 4478

An ESA video about the Vega launch campaign can be seen at

Vega’s First Launch Campaign
http://www.uk.amsat.org/4268

An item about the propulsion system to be used for the Phonesat STRaND-1 (downlink 437.575 MHz, launch TBC) is at:

Bright sparks redefine propulsion
http://www.uk.amsat.org/4253

73 Trevor M5AKA

4479. UKube-1 in The Register

Yahoo group: eu-amsat
Date: 2012-02-04 10:38:30 UTC
From: Trevor .
Topic: 4479 Message: 4479

An article by Brid-Aine Parnell about the UK Space Agency's first satellite UKube-1 was published in The Register yesterday.

UKube-1 will carry a set of AMSAT-UK FUNcube boards providing a 435/145 MHz linear transponder.

Read the article at
http://www.theregister.co.uk/2012/02/03/the_uk_in_space/

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

4480. Vega cubesat frequencies ?

Yahoo group: eu-amsat
Date: 2012-02-04 11:08:59 UTC
From: Marco IK1ODO -2
Topic: 4480 Message: 4480

Has anyone already compiled a list of frequencies used by the
cube/nanosatellites in the first Vega launch?
I mean :

- Xatcobeo (a collaboration of the University of Vigo and INTA, Spain)
- Robusta (University of Montpellier 2, France)
- E-St@r (Politecnico di Torino, Italy)
- Goliat (University of Bucharest, Romania)
- PW-Sat (Warsaw University of Technology, Poland)
- MaSat-1 (Budapest University of Technology & Economics, Hungary)
- UniCubeSat GG (Universit? di Roma 'La Sapienza', Italy)

Plus ALMASAT-1 and LARES (that is passive, of course)

73 - Marco IK1ODO

4481. Re: [eu-amsat] Vega cubesat frequencies ?

Yahoo group: eu-amsat
Date: 2012-02-04 15:02:22 UTC
From: Trevor .
Topic: 4480 Message: 4481

Hi Marco,

The frequencies are listed here

http://www.uk.amsat.org/4180

73 Trevor M5AKA

--- On Sat, 4/2/12, Marco IK1ODO -2 <ik1odo@...> wrote:

From: Marco IK1ODO -2 <ik1odo@...>
Subject: [eu-amsat] Vega cubesat frequencies ?
To: eu-amsat@yahoogroups.com
Date: Saturday, 4 February, 2012, 11:08

Has anyone already compiled a list of frequencies used by the

cube/nanosatellites in the first Vega launch?

I mean :

- Xatcobeo (a collaboration of the University of Vigo and INTA, Spain)

- Robusta (University of Montpellier 2, France)

- E-St@r (Politecnico di Torino, Italy)

- Goliat (University of Bucharest, Romania)

- PW-Sat (Warsaw University of Technology, Poland)

- MaSat-1 (Budapest University of Technology & Economics, Hungary)

- UniCubeSat GG (Universitá di Roma 'La Sapienza', Italy)

Plus ALMASAT-1 and LARES (that is passive, of course)

73 - Marco IK1ODO

4482. Re: [eu-amsat] Vega cubesat frequencies ?

Yahoo group: eu-amsat
Date: 2012-02-04 15:08:23 UTC
From: Marco IK1ODO -2
Topic: 4480 Message: 4482

At 16:02 04-02-12, you wrote:
>
>
>Hi Marco,
>
>The frequencies are listed here
>
>http://www.uk.amsat.org/4180
>
>73 Trevor M5AKA

Thank you very much. Have anyone also initial TLE, assuming a timely launch?

73 - Marco IK1ODO

4483. Re: [eu-amsat] Vega cubesat frequencies ?

Yahoo group: eu-amsat
Date: 2012-02-04 15:20:59 UTC
From: Trevor .
Topic: 4480 Message: 4483

I'm not aware of any TLE's being released yet.

73 Trevor M5AKA

--- On Sat, 4/2/12, Marco IK1ODO -2 <ik1odo@...> wrote:

From: Marco IK1ODO -2 <ik1odo@...>
Subject: Re: [eu-amsat] Vega cubesat frequencies ?
To: eu-amsat@yahoogroups.com
Date: Saturday, 4 February, 2012, 15:08

At 16:02 04-02-12, you wrote:

>

>

>Hi Marco,

>

>The frequencies are listed here

>

>http://www.uk.amsat.org/4180

>

>73 Trevor M5AKA

Thank you very much. Have anyone also initial TLE, assuming a timely launch?

73 - Marco IK1ODO

4484. Re: [eu-amsat] Vega cubesat frequencies ?

Yahoo group: eu-amsat
Date: 2012-02-04 15:56:49 UTC
From: Thomas Frey
Topic: 4480 Message: 4484

Marco IK1ODO -2 schrieb:
> Has anyone already compiled a list of frequencies used by the
> cube/nanosatellites in the first Vega launch?
> I mean :
>
> - Xatcobeo (a collaboration of the University of Vigo and INTA, Spain)
> - Robusta (University of Montpellier 2, France)
> - E-St@r (Politecnico di Torino, Italy)
> - Goliat (University of Bucharest, Romania)
> - PW-Sat (Warsaw University of Technology, Poland)
> - MaSat-1 (Budapest University of Technology& Economics, Hungary)
> - UniCubeSat GG (Universit? di Roma 'La Sapienza', Italy)
>
> Plus ALMASAT-1 and LARES (that is passive, of course)
>
> 73 - Marco IK1ODO
>
>
>

Hello Marco

Mineo, JE9PEL, has compiled such a list, see
http://www.ne.jp/asahi/hamradio/je9pel/esa9cubf.htm . But its not
actual anymore, your list is correct. SwissCube-2 was cancelled and
OUFTI-1 was not delivered at the right time. It will ride on an other
flight.

See also my list on AMSAT-DL homepage:
http://www.amsat-dl.org/index.php/satelliten-mainmenu-76/ersicht-aller-mainmenu-102#geplan
t

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4485. UKSEDS - myPocketQub442 Project

Yahoo group: eu-amsat
Date: 2012-02-05 10:36:34 UTC
From: Trevor .
Topic: 4485 Message: 4485

Members of UKSEDS are developing a satellite payload called myPocketQub442 (437.425-437.525 MHz) that will fly on the UKube-1 satellite. See

http://www.uk.amsat.org/4369

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

4486. AMSAT-UK 80m Net

Yahoo group: eu-amsat
Date: 2012-02-05 21:07:10 UTC
From: Trevor .
Topic: 4486 Message: 4486

The AMSAT-UK 80m net is held every Sunday morning at 10am local time on a nominal frequency of 3.780 MHz (+/- QRM).

A YouTube clip of the net can be seen at
www.youtube.com/watch?v=UEhwOYOqjdo

An MP3 recording of the net can be heard at
http://www.ham-radio.ch/kits/sdr-radio.com/mp3/05-Feb-2012-1058%203.725MHz.mp3

You can listen to the Sunday AMSAT-UK net remotely using the web radio of Paul M0EYT in Poole, Dorset, UK via the Web Servers (Free) page at http://www.sdr-radio.com/

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4487. Chibis-M Deployment Video

Yahoo group: eu-amsat
Date: 2012-02-06 14:07:29 UTC
From: allan_gm1sxx
Topic: 4487 Message: 4487

Hi group.

For anyone with an interest, I have posted a short video clip showing the deployment of the Chibis-M bird from the open hatch of the Progress freighter.

You'll find it in the Files section in the GM1SXX folder.
Large file. so takes a minute or so to load.

73 Al.
GM1SXX

4488. HamSatDroid Version 0.8 (SDP4)

Yahoo group: eu-amsat
Date: 2012-02-07 08:41:36 UTC
From: David Johnson
Topic: 4488 Message: 4488

Hi,

We are pleased to announce that we've released a new version of the app!

This now uses my Java port of John Magliacane's Predict SDP4 to support the elliptical orbit CubeSats to be launched on VEGA.

The app is free and is available for download from the Android Marketplace.

73

Dave Johnson, G4DPZ
AMSAT-NA Life Member
AMSAT-UK Committee Member
FUNcube Data Warehouse Dev.

4489. 145.825 MHz APRS on Katy to Nanjing Balloon

Yahoo group: eu-amsat
Date: 2012-02-09 11:56:46 UTC
From: Trevor .
Topic: 4489 Message: 4489

The kt5tk-11 balloon will be using the ISS Digipeater frequency of 145.825 MHz while in mid-Atlantic on its journey from Texas to China. If it follows the track of previous balloons it should cross the Mediterranean. See

http://www.uk.amsat.org/4505

Launch date 3pm CST Feb. 11

73 Trevor M5AKA

4490. Preliminary TLE for ESA VEGA launch

Yahoo group: eu-amsat
Date: 2012-02-12 10:51:33 UTC
From: Marco IK1ODO -2
Topic: 4490 Message: 4490

Just found the preliminary TLE for the coming Vega first launch.
Those appear to be based upon a launch at 1000z and release of
cubesats according to the schedule as in http://www.uk.amsat.org/4352
and other sites.

http://aribra.it/satelliti/estar.txt

Vy 73 - Marco IK1ODO

4491. Preliminary TLE's For Mondays Vega Launch

Yahoo group: eu-amsat
Date: 2012-02-12 16:54:36 UTC
From: Trevor .
Topic: 4491 Message: 4491

Preliminary TLE's for a launch at 1000, 1100 or 1200 UT are available via

http://www.uk.amsat.org/4460

The student teams have requested reception reports. During the Launch and Early Operations Phase (LEOP) Monday, listeners are encouraged to gather at the IRC “cubesat” channel to exchange all the latest available information.

Simply point your browser to http://webchat.freenode.net and join the #cubesat channel. In the Nickname: field enter “name_callsign” and in the Channels: field enter #cubesat

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4492. Re: [eu-amsat] Preliminary TLE's For Mondays Vega Launch

Yahoo group: eu-amsat
Date: 2012-02-12 17:09:10 UTC
From: Nitin Muttin
Topic: 4491 Message: 4492

Thanks Trevor for the update. Wishing all the project teams a successful launch / mission

73
Nitin [VU3TYG]

From: Trevor . <m5aka@...>
To: AMSAT-EU Group <eu-amsat@yahoogroups.com>
Sent: Sunday, 12 February 2012 10:24 PM
Subject: [eu-amsat] Preliminary TLE's For Mondays Vega Launch

Preliminary TLE's for a launch at 1000, 1100 or 1200 UT are available via

http://www.uk.amsat.org/4460

The student teams have requested reception reports. During the Launch and Early Operations Phase (LEOP) Monday, listeners are encouraged to gather at the IRC “cubesat” channel to exchange all the latest available information.

Simply point your browser to http://webchat.freenode.net and join the #cubesat channel. In the Nickname: field enter “name_callsign” and in the Channels: field enter #cubesat

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4493. webcast of Vega Launch

Yahoo group: eu-amsat
Date: 2012-02-13 09:43:29 UTC
From: Nitin Muttin
Topic: 4491 Message: 4493

All,

Now watching the live webcast of the Vega launch at
http://www.esa.int/SPECIALS/Vega/SEM8QAWX7YG_0.html

73
Nitin [VU3TYG]

4494. Vega Launch Success – Satellite Signals Hea rd

Yahoo group: eu-amsat
Date: 2012-02-13 12:06:14 UTC
From: Trevor .
Topic: 4494 Message: 4494

http://www.uk.amsat.org/4657

73 Trevor M5AKA

4495. TODAY'S ESA SAT RX?

Yahoo group: eu-amsat
Date: 2012-02-13 12:12:00 UTC
From: Etienne Swart
Topic: 4495 Message: 4495

Anyone heard the birds yet? 73 ZS6Y

4496. Re: [eu-amsat] TODAY'S ESA SAT RX?

Yahoo group: eu-amsat
Date: 2012-02-13 12:49:11 UTC
From: Nitin Muttin
Topic: 4495 Message: 4496

Heard the PWSAT on 145.900 Ax25, nothing heard from the other cubesats.

73
Nitin [VU3TYG]

From: Etienne Swart <eswart1959@...>
To: eu-amsat@yahoogroups.com
Sent: Monday, 13 February 2012 5:42 PM
Subject: [eu-amsat] TODAY'S ESA SAT RX?

Anyone heard the birds yet? 73 ZS6Y

4497. PWSAT- Reception

Yahoo group: eu-amsat
Date: 2012-02-13 13:27:18 UTC
From: Nitin Muttin
Topic: 4495 Message: 4497

A recording of PWSAT can be found at http://vu3tyg.addr.com/pwsat/ . My Radio was on USB on 145.900 during the pass. I thought I was hearing a voice when i first heard the AX25 packet :-)
Will try the next pass.

73
Nitin [VU3TYG]

From: Nitin Muttin <vu3tyg@...>
To: "eu-amsat@yahoogroups.com" <eu-amsat@...m>
Cc: Amsat India <amsatindia@yahoogroups.com>
Sent: Monday, 13 February 2012 6:19 PM
Subject: Re: [eu-amsat] TODAY'S ESA SAT RX?

Heard the PWSAT on 145.900 Ax25, nothing heard from the other cubesats.

73
Nitin [VU3TYG]

From: Etienne Swart <eswart1959@...>
To: eu-amsat@yahoogroups.com
Sent: Monday, 13 February 2012 5:42 PM
Subject: [eu-amsat] TODAY'S ESA SAT RX?

Anyone heard the birds yet? 73 ZS6Y

4498. Re: [eu-amsat] TODAY'S ESA SAT RX?

Yahoo group: eu-amsat
Date: 2012-02-13 19:52:00 UTC
From: Marco IK1ODO
Topic: 4495 Message: 4498

At 05:33 14/02/2012, you wrote:
>
>
>
>Anyone heard the birds yet? 73 ZS6Y

Positive for Unicube (but only 1 packet seen, and
I'm not sure 100%), MASAT-1, Xatcobeo, Almasat-1
and PW-sat. No signals so far from e-st@r, Robusta and Goliat.
See http://bit.ly/yY6Wne - those are the signals
received in UHF during 1st pass at 1354z, elevation only 7°.
I checked other two passes, but no signals from the other three so far.

73 - Marco IK1ODO - JN35sa

4499. MASAT-1 Telemetry Recieved

Yahoo group: eu-amsat
Date: 2012-02-17 05:08:08 UTC
From: Nitin Muttin
Topic: 4499 Message: 4499

All,

Recieved and decoded the telemetry during the 01:15 UTC pass on Feb 17th. The signals were very strong as it was a Ascending pass (Altitude 390 Kms). The tips provided by DK3WN on the TLE lottery helped :-) .

I was using a eight element Yagi with only Azimuth Rotation.

The screen shot of the decoded data can be found
at http://www.vu3tyg.addr.com/Telemetry/MASAT-1/Screenshot/

73
Nitin [VU3TYG]

[Non-text portions of this message have been removed]

4500. Vietnam Student CubeSat F-1

Yahoo group: eu-amsat
Date: 2012-02-24 22:13:05 UTC
From: Trevor .
Topic: 4500 Message: 4500

Gunters Space Page is listing this as being on the HTV-3 flight to the ISS in July.
http://space.skyrocket.de/doc_chr/lau2012.htm

The CubeSat contains two Yaesu VX-3R transceivers, further details at

http://www.uk.amsat.org/5025

73 Trevor M5AKA

4501. Re: [eu-amsat] Vietnam Student CubeSat F-1

Yahoo group: eu-amsat
Date: 2012-02-25 14:32:26 UTC
From: Thomas Frey
Topic: 4500 Message: 4501

Trevor . schrieb:
> Gunters Space Page is listing this as being on the HTV-3 flight to the ISS in July.
http://space.skyrocket.de/doc_chr/lau2012.htm
>
> The CubeSat contains two Yaesu VX-3R transceivers, further details at
>
> http://www.uk.amsat.org/5025
>
> 73 Trevor M5AKA
>
>
>

Hello Trevor

F-1 is also manifested on the NEPTUNE 9 Orbital Launch, see
http://www.interorbital.com/Launch%20Manifest%20Page%20_1.htm

What is correct ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4502. Re: [eu-amsat] Vietnam Student CubeSat F-1

Yahoo group: eu-amsat
Date: 2012-02-25 16:53:19 UTC
From: Trevor .
Topic: 4500 Message: 4502

--- On Sat, 25/2/12, Thomas Frey <th.frey@...> wrote:
> F-1 is also manifested on the NEPTUNE 9 Orbital Launch, see
> http://www.interorbital.com/Launch%20Manifest%20Page%20_1.htm

They first appeared on the Neptune 9 manifest a year ago, or maybe longer, but have only recently appeared on the HTV-3 manifest. So far Gunters Space Page is the only reference I've seen to them being on HTV-3.

I can only presume that the tried and tested HTV-3 with a deployment at 380 km giving a 5-6 month lifetime looked a better deal than the Inter Orbital launch, given that Inter Orbital have never had a successful space flight and are only planning, if it works, to go to 300 km, giving a satellite lifetime of about a month.

73 Trevor M5AKA

4503. Euroluna OZ9LUNA CubeSat Launch Update

Yahoo group: eu-amsat
Date: 2012-02-27 23:28:59 UTC
From: Trevor .
Topic: 4503 Message: 4503

A video update on the Euroluna project. The 2U CubeSat Romit1 is planned to deploy in a 310 km orbit and then raise that orbit to 700 km, see

http://www.uk.amsat.org/5153

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

4504. HamRadioNow – AMSAT Edition

Yahoo group: eu-amsat
Date: 2012-03-01 20:44:26 UTC
From: Trevor .
Topic: 4504 Message: 4504

In this HamRadioNow video Lou McFadin W5DID describes the ARISSat-1 satellite, using the operational model at the AMSAT booth at the Orlando HamCation. See

http://www.uk.amsat.org/5244

73 Trevor M5AKA

4505. CubeSats and TubeSats in March SatMagazine

Yahoo group: eu-amsat
Date: 2012-03-02 10:58:26 UTC
From: Trevor .
Topic: 4505 Message: 4505

See http://www.uk.amsat.org/5260

73 Trevor M5AKA

4506. MURSAT1 - An Austrian TubeSat

Yahoo group: eu-amsat
Date: 2012-03-02 22:46:40 UTC
From: Trevor .
Topic: 4506 Message: 4506

A presentation from two of team behind Austria's first TubeSat.

145.9 MHz band Command and Control Uplink and 435 MHz band downlink. They aim to send pictures from the onboard camera.

http://www.uk.amsat.org/5317

73 Trevor M5AKA

4507. RAMPART CubeSat to use propulsion + Articles Needed

Yahoo group: eu-amsat
Date: 2012-03-04 23:50:11 UTC
From: Trevor .
Topic: 4507 Message: 4507

Students at Morehead State University are building a 2U Cubesat with a propulsion system that will raise the apogee of its orbit from 500 km to 1200 km. See

http://www.uk.amsat.org/5364

We invite you to write an article for the AMSAT-UK publication OSCAR NEWS

http://www.uk.amsat.org/5362

73 Trevor M5AKA

4508. Fw: HAMSAT VO-52 Status

Yahoo group: eu-amsat
Date: 2012-03-06 10:51:06 UTC
From: Nitin Muttin
Topic: 4508 Message: 4508

fyi

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

----- Forwarded Message -----
From: Mani VU2WMY <wmy@...>
To: Stefan Wagener <wageners@gmail.com>
Cc: i8cvs <domenico.i8cvs@...>; Amsat - BBs <amsat-bb@...>; Nitin Muttin <vu3tyg@...>
Sent: Tuesday, 6 March 2012 1:22 PM
Subject: HAMSAT VO-52 Status

Hello All,
Looking at the discussions and the concerns expressed about VO-52,all
that I can share at this moment is 'HAMSAT VO-52' is in 'Excellent
Health' after recovery operations. Right now, it is under observation.
However, decision about switching 'ON' the transponder is pending
clearance. Decision expected in other couple of days.
The user community will be informed well in advance about the
transponder switching.

Note:

'HAMSAT VO-52' is the property owned, operated and maintained by the
Government of India/ISRO. Hence, unlike other amateur radio satellites
owned, operated and maintained by non-governmental agencies, detailed
information cannot be shared with anyone in accordance with the
prevailing governmental regulations.

Hope this bit of information would remove the doubts and concerns
about the HAMSAT VO-52 status and this is shared with you all with
the concurrence of 'HAMSAT VO-52' Operations Director, Mr. T.
Parimalarangan.

with regards,

Mani, VU2WMY
Secretary & Station-In-Charge
Upagrah Amateur Radio Club VU2URC
ISRO Satellite Centre
HAL Airport Road, Bangalore-560 017.
Phone:(O)91-80-25082054/2598/2192
Mobile: 91-80-98803 41456
E-mail ID: wmy@...
            vu2wmy_mani@...
            isrohams@...

fter recovery from a would like to say as a part of HAMSAT VO-52
Mission Management Board (MMB)

Quoting Stefan Wagener <wageners@...>:

> Maybe yes, maybe no.
>
> He did it because he wanted to, NOT because we demanded it!
>
> Stefan, VE4NSA
>
> On Mon, Mar 5, 2012 at 7:43 PM, i8cvs <domenico.i8cvs@...> wrote:
>> Hi Stefan VE4NSA
>>
>> When AO40 was in trouble, did Stacey Mils W4SM control station
>> wasting his time with his daily reports on AMSAT-BB ?
>>
>> 73" de
>>
>> i8CVS Domenico
>>
>> ----- Original Message -----
>> From: "Stefan Wagener" <wageners@...>
>> To: "i8cvs" <domenico.i8cvs@...>
>> Cc: <pe0sat@...>; "Nitin Muttin" <vu3tyg@...>; "Amsat - BBs"
>> <amsat-bb@...g>
>> Sent: Tuesday, March 06, 2012 2:23 AM
>> Subject: Re: [amsat-bb] Re: Status VO-52
>>
>>
>> As much as I appreciate the concerns, I rather have the team working
>> on getting the satellite up and running again.
>>
>> I don't need weekly updates! When they have something important to say
>> they will. It's that simple. Don't waste their time.
>>
>> Stefan, VE4NSA
>>
>>
>> On Mon, Mar 5, 2012 at 5:56 PM, i8cvs <domenico.i8cvs@...> wrote:
>>> ----- Original Message -----
>>> From: "PE0SAT" <pe0sat@...>
>>> To: "Nitin Muttin" <vu3tyg@...>
>>> Cc: <amsat-bb@...>
>>> Sent: Monday, March 05, 2012 7:45 AM
>>> Subject: [amsat-bb] Status VO-52
>>>>
>>>> Hi Nithin,
>>>>
>>>> Is there a way that you, ISRO or Amsat India can keep us (Ham Radio
>>>> community) informed about the status of VO-52.
>>>>

>>>> The silence around VO-52 gives me a bad feeling.
>>>>
>>>> Maybe it is possible to gives us an update lets say every week?
>>>> More frequent is also welcome ;-)
>>>>
>>>> 73 Jan PE0SAT
>>>>
>>> Hi Jan, PE0SAT
>>>
>>> I agree with you because I am interested to know if the Indian
>>> transponder has been switched or not with the Dutch transponder
>>> and what the result was.
>>>
>>> The silence around VO-52 make me concerned because after
>>> AO-51 died probably VO-52 in my opinion has been used to
>>> much in FM all over the world determining a deterioration
>>> of the batteries.
>>>
>>> We need VO-52 because OSCAR-7 is strongly FMing and the
>>> rest of satellites except FO-29 are in very bad conditions.
>>>
>>> I would like to receive an official report about the VO-52
>>> situation from ISRO through AMSAT-India very often,
>>> I agree with you every week or less.
>>>
>>> I remember that when AO40 was in truble we got a dayly
>>> report on AMSAT-BB every day from Stacey Mills,W4SM
>>> because he was the main command station of the bird and
>>> this make a great difference.
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>>> I can't understand why the command station for VO-52
>>> must be ISRO using not amateur frequencies enstead of
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>>>
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>>> Sent via AMSAT-BB@.... Opinions expressed are those of the author.
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4509. Re: [eu-amsat] Fw: HAMSAT VO-52 Status

Yahoo group: eu-amsat
Date: 2012-03-06 13:35:57 UTC
From: Thomas Frey
Topic: 4508 Message: 4509

Nitin Muttin schrieb:
>
>
> fyi
> 73
> Nitin [VU3TYG]
> Secretary, AMSAT INDIA

Hello Nitin

Thanks for the info in this group. On AMSAT-BB it looks to me
like children want their Lolly back.

>
> ----- Forwarded Message -----
> *From:* Mani VU2WMY <wmy@...>
> *To:* Stefan Wagener <wageners@...>
> *Cc:* i8cvs <domenico.i8cvs@...>; Amsat - BBs <amsat-bb@...>;
> Nitin Muttin <vu3tyg@...>
> *Sent:* Tuesday, 6 March 2012 1:22 PM
> *Subject:* HAMSAT VO-52 Status
>
> Hello All,
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> that I can share at this moment is 'HAMSAT VO-52' is in 'Excellent
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> However, decision about switching 'ON' the transponder is pending
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> The user community will be informed well in advance about the
> transponder switching.
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> Note:
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> about the HAMSAT VO-52 status and this is shared with you all with
> the concurrence of 'HAMSAT VO-52' Operations Director, Mr. T.
> Parimalarangan.
>
>
> with regards,

>
> Mani, VU2WMY
> Secretary & Station-In-Charge
> Upagrah Amateur Radio Club VU2URC
> ISRO Satellite Centre
> HAL Airport Road, Bangalore-560 017.
> Phone:(O)91-80-25082054/2598/2192
> Mobile: 91-80-98803 41456
> E-mail ID: wmy@... <mailto:wmy@...>
> vu2wmy_mani@... <mailto:vu2wmy_mani@...>
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>
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> >> Cc: <pe0sat@... <mailto:pe0sat@...>>; "Nitin Muttin"
> <vu3tyg@... <mailto:vu3tyg@...>>; "Amsat - BBs"
> >> <amsat-bb@... <mailto:amsat-bb@...>>
> >> Sent: Tuesday, March 06, 2012 2:23 AM
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> >> As much as I appreciate the concerns, I rather have the team working
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> >>> Cc: <amsat-bb@... <mailto:amsat-bb@...>>
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> >>> because he was the main command station of the bird and
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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4510. Re: [eu-amsat] Fw: HAMSAT VO-52 Status

Yahoo group: eu-amsat
Date: 2012-03-06 17:11:45 UTC
From: Nitin Muttin
Topic: 4508 Message: 4510

Thomas,

:-) . We are all awaiting the transponder to be turned back ON.

73
Nitin [VU3TYG]

From: Thomas Frey <th.frey@...>
To: eu-amsat@yahoogroups.com
Sent: Tuesday, 6 March 2012 7:05 PM
Subject: Re: [eu-amsat] Fw: HAMSAT VO-52 Status

Nitin Muttin schrieb:
>
>
> fyi
> 73
> Nitin [VU3TYG]
> Secretary, AMSAT INDIA

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> *Cc:* i8cvs <domenico.i8cvs@...>; Amsat - BBs <amsat-bb@...>;
> Nitin Muttin <vu3tyg@...>
> *Sent:* Tuesday, 6 March 2012 1:22 PM
> *Subject:* HAMSAT VO-52 Status
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> with regards,
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> E-mail ID: wmy@... <mailto:wmy@...>
> vu2wmy_mani@yahoo.com <mailto:vu2wmy_mani@...>
> isrohams@... <mailto:isrohams@...>
>
>
>
>
>
>
>
> fter recovery from a would like to say as a part of HAMSAT VO-52
> Mission Management Board (MMB)
>
> Quoting Stefan Wagener <wageners@... <mailto:wageners@...>>:
>
> > Maybe yes, maybe no.
> >
> > He did it because he wanted to, NOT because we demanded it!
> >
> > Stefan, VE4NSA
> >
> > On Mon, Mar 5, 2012 at 7:43 PM, i8cvs <domenico.i8cvs@...
> <mailto:domenico.i8cvs@...>> wrote:
> >> Hi Stefan VE4NSA
> >>
> >> When AO40 was in trouble, did Stacey Mils W4SM control station
> >> wasting his time with his daily reports on AMSAT-BB ?
> >>
> >> 73" de
> >>

> >> i8CVS Domenico
> >>
> >> ----- Original Message -----
> >> From: "Stefan Wagener" <wageners@... <mailto:wageners@...>>
> >> To: "i8cvs" <domenico.i8cvs@... <mailto:domenico.i8cvs@...>>
> >> Cc: <pe0sat@... <mailto:pe0sat@...>>; "Nitin Muttin"
> <vu3tyg@yahoo.co.in <mailto:vu3tyg@...>>; "Amsat - BBs"
> >> <amsat-bb@...g <mailto:amsat-bb@...>>
> >> Sent: Tuesday, March 06, 2012 2:23 AM
> >> Subject: Re: [amsat-bb] Re: Status VO-52
> >>
> >>
> >> As much as I appreciate the concerns, I rather have the team working
> >> on getting the satellite up and running again.
> >>
> >> I don't need weekly updates! When they have something important to say
> >> they will. It's that simple. Don't waste their time.
> >>
> >> Stefan, VE4NSA
> >>
> >>
> >> On Mon, Mar 5, 2012 at 5:56 PM, i8cvs <domenico.i8cvs@...
> <mailto:domenico.i8cvs@tin.it>> wrote:
> >>> ----- Original Message -----
> >>> From: "PE0SAT" <pe0sat@... <mailto:pe0sat@...>>
> >>> To: "Nitin Muttin" <vu3tyg@yahoo.co.in <mailto:vu3tyg@...>>
> >>> Cc: <amsat-bb@... <mailto:amsat-bb@...>>
> >>> Sent: Monday, March 05, 2012 7:45 AM
> >>> Subject: [amsat-bb] Status VO-52
> >>>>
> >>>> Hi Nithin,
> >>>>
> >>>> Is there a way that you, ISRO or Amsat India can keep us (Ham Radio
> >>>> community) informed about the status of VO-52.
> >>>>
> >>>> The silence around VO-52 gives me a bad feeling.
> >>>>
> >>>> Maybe it is possible to gives us an update lets say every week?
> >>>> More frequent is also welcome ;-)
> >>>>
> >>>> 73 Jan PE0SAT
> >>>>
> >>> Hi Jan, PE0SAT
> >>>
> >>> I agree with you because I am interested to know if the Indian
> >>> transponder has been switched or not with the Dutch transponder
> >>> and what the result was.
> >>>
> >>> The silence around VO-52 make me concerned because after
> >>> AO-51 died probably VO-52 in my opinion has been used to

> >>> much in FM all over the world determining a deterioration
> >>> of the batteries.
> >>>
> >>> We need VO-52 because OSCAR-7 is strongly FMing and the
> >>> rest of satellites except FO-29 are in very bad conditions.
> >>>
> >>> I would like to receive an official report about the VO-52
> >>> situation from ISRO through AMSAT-India very often,
> >>> I agree with you every week or less.
> >>>
> >>> I remember that when AO40 was in truble we got a dayly
> >>> report on AMSAT-BB every day from Stacey Mills,W4SM
> >>> because he was the main command station of the bird and
> >>> this make a great difference.
> >>>
> >>> I can't understand why the command station for VO-52
> >>> must be ISRO using not amateur frequencies enstead of
> >>> AMSAT India using the amateur bands.
> >>>
> >>> Best 73" de
> >>>
> >>> i8CVS Domenico
> >>> _____
> >>> Sent via AMSAT-BB@amsat.org <mailto:AMSAT-BB@...>. Opinions
> expressed are those of the author.
> >>> Not an AMSAT-NA member? Join now to support the amateur satellite
> program!
> >>> Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
> >>
> > _____
> > Sent via AMSAT-BB@... <mailto:AMSAT-BB@...>. Opinions
> expressed are those of the author.
> > Not an AMSAT-NA member? Join now to support the amateur satellite
> program!
> > Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb
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> message.
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Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4511. Re: [amsat-bb] Re: VO-52 Not Heard

Yahoo group: eu-amsat
Date: 2012-03-01 11:14:23 UTC
From: Nitin Muttin
Topic: 4511 Message: 4511

Hi Domenico,

VO-52 health is monitored on a daily basis by ISRO, the telemetry and all telecommand is on non amateur radio frequencies and hence is managed by ISRO.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

From: i8cvs <domenico.i8cvs@...>
To: Nitin Muttin <vu3tyg@...>; Amsat - BBs <amsat-bb@...>; Amsat India <amsatindia@yahoogroups.com>; eu-amsat@yahoogroups.com; VUHAMS <vuhams@yahoogroups.com>; pe1rah@...
Cc: Nitin Muttin[VU3 TYG] <vu3tyg@amsatindia.org>
Sent: Thursday, 1 March 2012 1:27 PM
Subject: Re: [amsat-bb] Re: VO-52 Not Heard

Hi Nitin, VU3TYG

I can't understand if AMSAT-India or ISRO is able and equipped and entitled to command VO-52

Since both transponders ,the AMSAT-India and Duch transponders on board of VO-52 have not channel telemetry it is impossible to know the battery conditions because the beacons of AMSAT-India transponder is only a steady carrier and the Duch transponder I remember has been used for only few days at the beginning and the beacon was transmitting only the same voice message from William Leijenaar PE1RAH.

Now who take care to monitor the battery and transponder conditions of VO-52 without to have a channel telemetry ?

Who is entitled and able to send a command to VO-52 and switch from the AMSAT transponder to the Dutch transponder ? AMSAT-India or ISRO ?

Have AMSAT-India or ISRO already tried to switch from the AMSAT transponder to the Duch transponder ?

Have AMSAT-India a VO-52 command station or not ?

Please let us know.

TNX

73" de

i8CVS Domenico

----- Original Message -----
From: "Nitin Muttin" <vu3tyg@...>
To: <amsat-bb@...>; "Amsat India" <amsatindia@yahoogroups.com>;
<eu-amsat@yahoogroups.com>; "VUHAMS" <vuhams@yahoogroups.com>
Cc: "Nitin Muttin[VU3 TYG]" <vu3tyg@...>
Sent: Wednesday, February 29, 2012 9:24 AM
Subject: [amsat-bb] Re: VO-52 Not Heard

All,

We are aware of the current situation. Myself and Mani, VU2WMY tried listening to the beacon and work thru the satellite during the 04:05 UTC pass over India (6 degree elevation) on Feb 29th but nothing was heard. I will post further updates when I hear from ISRO on the current status and next steps.

Please submit your reports at www.oscar.dcarr.org or drop me a email.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

Hi John, K8YSE

Transponder and Beacon of VO-52 where also not
heard over Europe at 17:55 UTC orbit Nr 36876
28 Feb 2012

73" de

i8CVS Domenico

----- Original Message -----
From: "John Papay" <john@...>
To: <amsat-bb@...>
Sent: Tuesday, February 28, 2012 3:03 PM
Subject: [amsat-bb] VO-52 Not Heard

> VO-52 was not heard over the US at 1330z, 28Feb2012.
> Reports on oscar.dcarr.org at 1100z also say that it
> was not heard over Europe.
>
> Please listen for VO-52 and submit reports to
> the oscar.dcarr.org website.
>
> 73,
> John K8YSE

_____
Sent via AMSAT-BB@.... Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

4512. Re: [amsat-bb] Re: VO-52 Not Heard

Yahoo group: eu-amsat
Date: 2012-03-01 09:32:46 UTC
From: Nitin Muttin
Topic: 4511 Message: 4512

Hi Domenico,

VO-52 health is monitored on a daily basis by ISRO, the telemetry and all telecommand is on non amateur radio frequencies and hence is managed by ISRO.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

From: i8cvs <domenico.i8cvs@...>
To: Nitin Muttin <vu3tyg@...>; Amsat - BBs <amsat-bb@...>; Amsat India <amsatindia@yahoogroups.com>; eu-amsat@yahoogroups.com; VUHAMS <vuhams@yahoogroups.com>; pe1rah@...
Cc: Nitin Muttin[VU3 TYG] <vu3tyg@amsatindia.org>
Sent: Thursday, 1 March 2012 1:27 PM
Subject: Re: [amsat-bb] Re: VO-52 Not Heard

Hi Nitin, VU3TYG

I can't understand if AMSAT-India or ISRO is able and equipped and entitled to command VO-52

Since both transponders ,the AMSAT-India and Duch transponders on board of VO-52 have not channel telemetry it is impossible to know the battery conditions because the beacons of AMSAT-India transponder is only a steady carrier and the Duch transponder I remember has been used for only few days at the beginning and the beacon was transmitting only the same voice message from William Leijenaar PE1RAH.

Now who take care to monitor the battery and transponder conditions of VO-52 without to have a channel telemetry ?

Who is entitled and able to send a command to VO-52 and switch from the AMSAT transponder to the Dutch transponder ? AMSAT-India or ISRO ?

Have AMSAT-India or ISRO already tried to switch from the AMSAT transponder to the Duch transponder ?

Have AMSAT-India a VO-52 command station or not ?

Please let us know.

TNX

73" de

i8CVS Domenico

----- Original Message -----
From: "Nitin Muttin" <vu3tyg@...>
To: <amsat-bb@...>; "Amsat India" <amsatindia@yahoogroups.com>;
<eu-amsat@yahoogroups.com>; "VUHAMS" <vuhams@yahoogroups.com>
Cc: "Nitin Muttin[VU3 TYG]" <vu3tyg@...>
Sent: Wednesday, February 29, 2012 9:24 AM
Subject: [amsat-bb] Re: VO-52 Not Heard

All,

We are aware of the current situation. Myself and Mani, VU2WMY tried listening to the beacon and work thru the satellite during the 04:05 UTC pass over India (6 degree elevation) on Feb 29th but nothing was heard. I will post further updates when I hear from ISRO on the current status and next steps.

Please submit your reports at www.oscar.dcarr.org or drop me a email.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

Hi John, K8YSE

Transponder and Beacon of VO-52 where also not
heard over Europe at 17:55 UTC orbit Nr 36876
28 Feb 2012

73" de

i8CVS Domenico

----- Original Message -----
From: "John Papay" <john@...>
To: <amsat-bb@...>
Sent: Tuesday, February 28, 2012 3:03 PM
Subject: [amsat-bb] VO-52 Not Heard

> VO-52 was not heard over the US at 1330z, 28Feb2012.
> Reports on oscar.dcarr.org at 1100z also say that it
> was not heard over Europe.
>
> Please listen for VO-52 and submit reports to
> the oscar.dcarr.org website.
>
> 73,
> John K8YSE

_____
Sent via AMSAT-BB@.... Opinions expressed are those of the author.
Not an AMSAT-NA member? Join now to support the amateur satellite program!
Subscription settings: http://amsat.org/mailman/listinfo/amsat-bb

4513. Re: VO-52 Not Heard

Yahoo group: eu-amsat
Date: 2012-02-29 08:24:09 UTC
From: Nitin Muttin
Topic: 4513 Message: 4513

All,

We are aware of the current situation. Myself and Mani, VU2WMY tried listening to the beacon and work thru the satellite during the 04:05 UTC pass over India (6 degree elevation) on Feb 29th but nothing was heard. I will post further updates when I hear from ISRO on the current status and next steps.

Please submit your reports at www.oscar.dcarr.org or drop me a email.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

Hi John, K8YSE

Transponder and Beacon of VO-52 where also not
heard over Europe at 17:55 UTC orbit Nr 36876
28 Feb 2012

73" de

i8CVS Domenico

----- Original Message -----
From: "John Papay" <john@...>
To: <amsat-bb@...>
Sent: Tuesday, February 28, 2012 3:03 PM
Subject: [amsat-bb] VO-52 Not Heard

> VO-52 was not heard over the US at 1330z, 28Feb2012.
> Reports on oscar.dcarr.org at 1100z also say that it
> was not heard over Europe.
>
> Please listen for VO-52 and submit reports to
> the oscar.dcarr.org website.
>
> 73,
> John K8YSE

4514. Fw: [VUHams] VO-52 PE1RAH Trxp Switching 'ON'

Yahoo group: eu-amsat
Date: 2012-03-08 06:17:38 UTC
From: Nitin Muttin
Topic: 4514 Message: 4514

All,

FYI.

Details of the Second Payload Transponder on VO-52.

Uplink frequency : 435.250 MHz
Downlink frequency : 145.900 MHz
Beacon : CW at 145.859330 MHz (145.86 MHz)
Output level of Beacon Carrier : 18 dBm

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

----- Forwarded Message -----
From: Mani VU2WMY <wmy@...>
To: "BB, AMSAT" <amsat-bb@...>; AMSAT-INDIA <amsatindia@yahoogroups.com>; VUHAMS <vuhams@yahoogroups.com>
Cc: PE1RAH <pe1rah@...>; VU3TYG <vu3tyg@...>
Sent: Thursday, 8 March 2012 11:24 AM
Subject: [VUHams] VO-52 PE1RAH Trxp Switching 'ON'

Dear VO-52 (HAMSAT) users,

On behalf of HAMSAT VO-52 Mission Director, Operations Director and the entire HAMSAT Team, I take pleasure to inform the user community that;

After the 'In-Orbit Maintenance Operations' the decision to turn 'ON' the payload transponder was taken and accordingly;

The Transponder No 2 i.e. The Dutch Transponder made by William Leijenaar PE1RAH would be switched 'ON' at 13:51 UT on 08.03.2012 during orbit # 37006 over India.

A 'Critical Comparative Signal Report' between the Indian and Dutch transponder would be of great help for further evaluations and necessary actions for the maintenance the transponder in good and healthy condition for better services and also, the inputs would be very valuable to the respective transponder designers.

We all hope, Williams PE1RAH would be very happy with our decision and behalf of every one here in India involved with project, wish Williams and his transponder all the very best and good luck.

Thanks to AMSAT-India (Nitin VU3TYG) for the all the help and co-ordination provided.

73 de

Mani, VU2WMY
Secretary & Station-In-Charge
Upagrah Amateur Radio Club VU2URC
ISRO Satellite Centre
HAL Airport Road, Bangalore-560 017.
Phone:(O)91-80-25082054/2598/2192
Mobile: 91-80-98803 41456
E-mail ID: wmy@...
vu2wmy_mani@...
isrohams@yahoo.com

Note:

Below pasted is the 'Official Announcement' received from Mr.Parimalarangan, Operations Director VO-52 (HAMSAT).

ANNOUNCEMENT REGARDING SWITCHING ON OF THE PAYLOAD TRANSPONDER-2 (Dutch) ONBOARD HAMSAT

I HAMSAT was launched on 5 May 2005. Since then, the Indian Payload transponder is in operation, but for a brief period, wherein, Dutch Transponder was kept ON

II Now, it is planned to switch ON the Payload Transponder-2 (Dutch) on 8 March 2012 / 13:57 Hrs. UT

III Details of the Second Payload Transponder:

Uplink frequency : 435.250 MHz
Downlink frequency : 145.900 MHz
Beacon : CW at 145.859330 MHz (145.86 MHz)
Output level of Beacon Carrier : 18 dBm

IV Please send your feedback to tprangan@... (Mobile: 0-9480 333 563)

T.PARIMALARANGAN
Operations Director (NP), HAMSAT
ISTRAC/ISRO

8 March 2012
04:35 Hrs. UT

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4515. Fw: [amsatindia] VO-52 Trxp Switching 'ON' Postponed

Yahoo group: eu-amsat
Date: 2012-03-08 11:00:46 UTC
From: Nitin Muttin
Topic: 4515 Message: 4515

All,

FYI.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

----- Forwarded Message -----
From: Mani VU2WMY <wmy@...>
To: "BB, AMSAT" <amsat-bb@...>; "amsatindia@yahoogroups.com" <amsatindia@...m>; VUHAMS <vuhams@yahoogroups.com>
Cc: PE1RAH <pe1rah@...>; VU3TYG <vu3tyg@...>; RANGAN <tprangan@...>
Sent: Thursday, 8 March 2012 1:18 PM
Subject: [amsatindia] VO-52 Trxp Switching 'ON' Postponed

Dear Friends,

Thanks for the encouraging and supportive expressions!

Unfortunately, we are sorry to inform that the 'Expert Committee' overseeing the VO-52 (HAMSAT) performance has advised to extend the 'Observation Period' by an other week.

Hence, the decision to switch on the transponder # 2 is now put 'ON HOLD' till further notice. In-convenience caused to the users is regretted.

This latest decision is just only a postponement and nothing to worry about the health of the spacecraft. We re-assure you all that VO-52 is very strong and in a 'Perfect Health' condition.

We do hope that the technically competent user community would understand the situations involved with any Space related activities.

73 de

Mani VU2WMY

The following is the latest announcement received from Operations Director-HAMSAT VO-52 at 07:04 Hrs.

Dear Sir,

Switching ON of HAMSAT Transponder-2 (Dutch) is re-scheduled for the next week.
Mr. Subramani VU2WMY, ISAC is requested to convey this message to HAM community.

With Best Regards,

T PARIMALARANGAN

ISTRAC/ISRO
Ph: 080 - 2202 9011 (O)
080 - 2535 0132 (R)
0 - 9480333563 (M)
080 - 2202 9062 (F)

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4516. AMSAT-UK Colloquium 2012 First Call for Speakers

Yahoo group: eu-amsat
Date: 2012-03-08 16:44:13 UTC
From: Trevor .
Topic: 4516 Message: 4516

This is the first call for speakers for the AMSAT-UK International Space Colloquium 2012 which, due to the Olympic & Paralympic Games, will be held this year on the weekend of September 15-16, 2012 at the Holiday Inn, Guildford, GU2 7XZ, United Kingdom.

This Colloquium will take place 2 weeks before the planned launch of AMSAT-UK's FUNcube-1 satellite carrying a 435/145 MHz linear transponder for SSB/CW communications.

http://www.uk.amsat.org/colloquium/twelve

AMSAT-UK invites speakers, to cover topics about micro-satellites, CubeSats, Nanosats, space and associated activities, for this event.

They are also invited to submit papers for subsequent publishing on the AMSAT-UK web site. We normally prefer authors to present talks themselves rather than having someone else give them in the authors' absence. We also welcome "unpresented" papers for the web site.

We appreciate that it is not always possible to give a firm indication of attendance at this stage but expressions of interest would be appreciated.

Submissions should be sent *ONLY* to G4DPZ, via the following routes:

e-mail: david dot johnson at blackpepper dot co dot uk

Postal address at http://www.qrz.com/db/G4DPZ

AMSAT-UK also invite anyone with requests for Program Topics to submit them as soon as possible to G4DPZ. Invitations for any papers on specific subjects will be included in the future call. Likewise if anyone knows of a good speaker, please send contact and other information to G4DPZ.

AMSAT-UK http://www.uk.amsat.org/

73 Trevor M5AKA

4517. Connecting Students to Space - European Space Agency (ESA)

Yahoo group: eu-amsat
Date: 2012-03-08 19:31:55 UTC
From: Trevor .
Topic: 4517 Message: 4517

The GENSO project features in an article in the February 2012 edition of the free magazine ESA Bulletin.

A team from AMSAT-UK supported this ESA project by developing a standard ground station specification together with a full set of software drivers for the different hardware items.

The amateur radio stations of Graham Shirville G3VZV, Dave Johnson G4DPZ and David Mynatt KA0SWT get a brief mention on page 43.

See http://www.uk.amsat.org/5518

73 Trevor M5AKA

4518. RAX-2 Success - Anomaly Detected

Yahoo group: eu-amsat
Date: 2012-03-11 10:38:58 UTC
From: Trevor .
Topic: 4518 Message: 4518

Matt Bennett KF6RTB reports that the student built amateur radio CubeSat, Radio Auroral Explorer 2 (RAX-2), has detected the communication-disrupting anomaly in the upper atmosphere it was searching for.

The team have expressed their thanks to the amateur radio community for all of their support on this mission.

Full story at http://www.uk.amsat.org/5586

73 Trevor M5AKA

4519. Re: [eu-amsat] RAX-2 Success - Anomaly Detected

Yahoo group: eu-amsat
Date: 2012-03-11 12:46:10 UTC
From: Thomas Frey
Topic: 4518 Message: 4519

Trevor . schrieb:
> Matt Bennett KF6RTB reports that the student built amateur radio CubeSat, Radio Auroral Explorer 2 (RAX-2), has detected the communication-disrupting anomaly in the upper atmosphere it was searching for.
>
> The team have expressed their thanks to the amateur radio community for all of their support on this mission.
>
> Full story at http://www.uk.amsat.org/5586
>
> 73 Trevor M5AKA
>
>
Hello Trevor

Have you ever heard a peep or a "shhhh..." from RAX-2 ? Or everybody
else ?

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4520. Re: [eu-amsat] RAX-2 Success - Anomaly Detected

Yahoo group: eu-amsat
Date: 2012-03-11 14:32:01 UTC
From: Trevor .
Topic: 4518 Message: 4520

--- On Sun, 11/3/12, Thomas Frey <th.frey@...> wrote:
> Have you ever heard a peep or a "shhhh..." from RAX-2 ?
> Or everybody else ?

It's been a few months since I last listened to it but it is mentioned yesterday on Mike DK3WN's blog:

http://www.dk3wn.info/p/?p=26510

73 Trevor M5AKA

4521. HAM RADIO IN SPACE: HAMSAT VO-52 GOES SILENT

Yahoo group: eu-amsat
Date: 2012-03-12 14:38:45 UTC
From: Thomas Frey
Topic: 4521 Message: 4521

FYI

Source Amateur Radio Newsline:
http://www.arnewsline.org/storage/scripts/nsln1804.txt

> HAM RADIO IN SPACE: HAMSAT VO-52 GOES SILENT
>
> The HAMSAT VO-52 amateur radio satellite that suddenly
> ceased operating last month could return to the air.
> According to V-U-2-W-M-Y, the satellite is in what he calls
> "excellent health" following recovery efforts and is
> currently under observation by ground controllers in India.
>
> By way of background, on February 28th all transmissions
> from HAMSAT VO-52 ceased. Since then neither its beacon nor
> it's 435 to 145 MHz linear transponder had been heard by
> stations on the ground. However it now looks as if the bird
> is back to life, but there is one caveat.
>
> VU2VMY notes that HAMSAT VO-52 is actually the property of
> the government of India. Therefore unlike other amateur
> radio satellites that are owned, operated and maintained by
> non-governmental agencies, detailed information on HAMSAT VO-
> 52 cannot be shared with anyone in accordance with the
> prevailing governmental regulations. However VU2WMY adds
> that a decision about switching its transponder back on is
> pending clearance.
>
> VU2WMY adds that this is the first ever interruption in the
> services of the bird since HAMSAT VO-52 was commissioned on
> May 5th of 2005. (VU2VMY)
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4522. Need ears to listen for VO-52 right after switch on

Yahoo group: eu-amsat
Date: 2012-03-13 08:51:47 UTC
From: William L
Topic: 4522 Message: 4522

Hi AMSATs,

I received the news that VO-52 will be switched on in a couple of hours from now, at 13:50UTC, (03-March-2012)
Unfortunately the satellite will not pass over central Europe, and I am not able to check the status the first two orbits.

I am looking for hams in Russia, Northern Europe, Canada, USA, or others that can listen for VO-52 right after it is turned on.

! ! ! Please don't use high uplink powers !!! (We don't want it to rise temperature very fast just after cold switch on) ! ! !

Please listen for the CW beacon at 145.860, which is a good reference.
(Audio records and reports are very welcome at ISRO and myself)

73 de PE1RAH,
William Leijenaar

4523. Re: Need ears to listen for VO-52 right after switch on

Yahoo group: eu-amsat
Date: 2012-03-13 09:31:03 UTC
From: William L
Topic: 4522 Message: 4523

Slip of my finger
The date should be 13-March-2012
(Thanks to 9A2EY, Zeljko who noticed it)

73 de PE1RAH, William

--- In eu-amsat@yahoogroups.com, "William L" <pe1rah@...> wrote:
>
> Hi AMSATs,
>
> I received the news that VO-52 will be switched on in a couple of hours from now, at 13:50UTC, (03-March-2012)
> Unfortunately the satellite will not pass over central Europe, and I am not able to check the status the first two orbits.
>
> I am looking for hams in Russia, Northern Europe, Canada, USA, or others that can listen for VO-52 right after it is turned on.
>
> ! ! ! Please don't use high uplink powers !!! (We don't want it to rise temperature very fast just after cold switch on) ! ! !
>
> Please listen for the CW beacon at 145.860, which is a good reference.
> (Audio records and reports are very welcome at ISRO and myself)
>
> 73 de PE1RAH,
> William Leijenaar
> ---
>

4524. VO-52 not switched on yet

Yahoo group: eu-amsat
Date: 2012-03-13 16:13:49 UTC
From: William L
Topic: 4524 Message: 4524

Below the message I received from Mani,

73 de PE1RAH, William
Thanks to Mani for the information

>Due to 'Operational Constraints' the commands to turn on the >transponder were not been able to send. In-convenience caused is >regretted.
>
>The next attempt would be made during 01:44 UT pass over India.
>
>On behalf of 'Operations Director-VO-52
>
>Mani, VU2WMY
>ISRO Satellite Centre
>Bangalore, India

4525. Re: [amsatindia] HAMSAT VO-52:Transponder 2 (Dutch) Performance Feedback Format

Yahoo group: eu-amsat
Date: 2012-03-17 10:39:28 UTC
From: Nitin Muttin
Topic: 4525 Message: 4525

The feedback form in Word format is available at
http://www.amsatindia.org/reports/VO-52-Feedback.doc

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

From: Mani VU2WMY <wmy@...>
To: "BB, AMSAT" <amsat-bb@...>; AMSAT-INDIA <amsatindia@yahoogroups.com>; VUHAMS <vuhams@yahoogroups.com>
Sent: Saturday, 17 March 2012 12:55 PM
Subject: [amsatindia] HAMSAT VO-52:Transponder 2 (Dutch) Performance Feedback Format

Dear HAMSAT VO-52 users,

Due to hectic official schedules, we were unable to respond and acknowledge 'INDIVIDUALLY' to all those who shared their information, reports, concerns, views, opinions, good wishes and greetings with us during the time of crisis with HAMSAT VO-52 and there after the successful activation of transponder.

Hence, we take this opportunity through this mail, to express our sincere thanks once again to each and every one of you for sharing with us your valuable feed backs and signal reports on the performance of the HAMSAT VO-52 transponder 2.

As mentioned earlier, we are in the process of documenting a 'Anomaly Analysis and Transponder 2 Switch ON' report containing the feed back from users and the same needs to be completed and submitted at the earliest.

In this regard, it is kindly requested to spare a little amount of your precious time to send in your valuable signal reports in the 'ENCLOSED FORMAT'.

Note:

HAMSAT VO-52 Transponder 2 (Dutch) 'Performance Feedback Format' can be downloaded at:

www.amsatindia.org/reports

1.We are in need of signal reports, at least for three more days.

2. Kindly use SEPARATE FORMAT for EACH entry/report/observation.

3. We also request to kindly re-send all your earlier reports/observations that have already been sent to us, using the 'Format Enclosed'.

4. As many as reports can be sent, but we hopefully expect at least one from every user.

4. The dully filled in formats may kindly be sent to ;

tprangan@...

and copied to

wmy@...

We do hope that, you all would bear with us.

73 de

Mani, VU2WMY
Secretary & Station-In-Charge
Upagrah Amateur Radio Club VU2URC
ISRO Satellite Centre
HAL Airport Road, Bangalore-560 017.
Phone:(O)91-80-25082054/2598/2192
Mobile: 91-80-98803 41456
E-mail ID: wmy@...
vu2wmy_mani@...
isrohams@...

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4526. VU-52 from down under

Yahoo group: eu-amsat
Date: 2012-03-17 21:03:07 UTC
From: murray
Topic: 4526 Message: 4526

I have been on VU-52 on the Dutch Transponder. I have heard the beacon and worked ZL2BX Alan and VK2AYE Graham on the Western pass from here at 0740 UTC time (local 0840 am). The signals were quite good but not as loud as the Indian Transponder. The Western evening passes are too late here around 10.30 pm in the evening.

73 Murray ZL3MH

4527. Re: [eu-amsat] VU-52 from down under

Yahoo group: eu-amsat
Date: 2012-03-18 03:16:27 UTC
From: Nitin Muttin
Topic: 4526 Message: 4527

Hi Murray and all,

Please send your reports by filling up the feedback form available at http://amsatindia.org/reports/VO-52-Feedback.doc . Email the same to the address provided on the form and copy wmy@...

73
Nitin [VU3TYG]
Secretary,AMSAT INDIA

From: murray <murrayhely@...>
To: eu-amsat@yahoogroups.com
Sent: Sunday, 18 March 2012 2:33 AM
Subject: [eu-amsat] VU-52 from down under

I have been on VU-52 on the Dutch Transponder. I have heard the beacon and worked ZL2BX Alan and VK2AYE Graham on the Western pass from here at 0740 UTC time (local 0840 am). The signals were quite good but not as loud as the Indian Transponder. The Western evening passes are too late here around 10.30 pm in the evening.

73 Murray ZL3MH

4528. Software defined radio for SAT

Yahoo group: eu-amsat
Date: 2012-03-18 17:30:43 UTC
From: OM0AAO Viliam
Topic: 4528 Message: 4528

Hello,

is here anybody who is using SDR for satellite work?

I am using SDR Ensemble + XVRT 2m (for RX). Running Genesis SDR under WinXP on Pentium-4 and EMU0202. Audio stream tests shows input latency 3,3ms and output latency 6,3ms. CPU load 60-90%.

This nearly real-time, but not true real-time. Any advice how perform better? The DSP buffer is set on 512.

73'Viliam, OM0AAO / OM0A
administrator www.cq.sk

4529. 2013 Launch for First Scottish Built Satellite

Yahoo group: eu-amsat
Date: 2012-03-20 19:41:23 UTC
From: Trevor .
Topic: 4529 Message: 4529

See http://www.uk.amsat.org/5933

This means UKube-1 is no longer on the Yasny DNEPR launch later this year.

73 Trevor M5AKA

4530. BBC TV Newsnight show - Clyde Space and UKube-1

Yahoo group: eu-amsat
Date: 2012-03-24 17:46:44 UTC
From: Trevor .
Topic: 4530 Message: 4530

BBC TV's Newsnight show featured the work that the Glasgow based company Clyde Space are doing on the satellite UKube-1.

See http://www.uk.amsat.org/5983

73 Trevor M5AKA

4531. websdr for sat mode in north Romania

Yahoo group: eu-amsat
Date: 2012-03-25 07:24:34 UTC
From: yo9gjx
Topic: 4531 Message: 4531

http://sdr.opt.ro:8901/

4532. BBC TV – How Satellites Rule Our World – March 25, 2100 BST

Yahoo group: eu-amsat
Date: 2012-03-25 15:21:12 UTC
From: Trevor .
Topic: 4532 Message: 4532

BBC TV are broadcasting a show by satellite engineer Dr. Maggie Aderin-Pocock Ph.D., MBE, titled In Orbit: How Satellites Rule Our World.

It is believed that Peter Shaw of the amateur radio STRaND smartphone satellite project will be appearing on the show which will also be available to watch on the web.

See http://www.uk.amsat.org/6012

73 Trevor M5AKA

4533. UKube-1 Payloads

Yahoo group: eu-amsat
Date: 2012-03-28 15:44:14 UTC
From: Trevor .
Topic: 4533 Message: 4533

It's not just the AMSAT-UK FUNcube boards that will be on UKube-1 further details at

http://www.uk.amsat.org/6115

73 Trevor M5AKA

4534. BEESAT-1 and BEESAT-2

Yahoo group: eu-amsat
Date: 2012-03-28 19:00:35 UTC
From: Trevor .
Topic: 4534 Message: 4534

Both planned to launch 4th quarter of 2012 from Baikonour.

See http://www.uk.amsat.org/6144

73 Trevor M5AKA

4535. ESA – CubeSats satellite operations update

Yahoo group: eu-amsat
Date: 2012-03-28 21:32:42 UTC
From: Trevor .
Topic: 4535 Message: 4535

See http://www.uk.amsat.org/6152

73 Trevor M5AKA

4536. Re: [eu-amsat] ESA – CubeSats satellite oper ations update

Yahoo group: eu-amsat
Date: 2012-03-29 13:03:50 UTC
From: Thomas Frey
Topic: 4535 Message: 4536

Trevor . schrieb:
> See http://www.uk.amsat.org/6152
>
> 73 Trevor M5AKA
>
>
>
>

Hello Trevor and group

This is the better link:

** CubeSats satellite operations update **
On 13 February, the new Vega rocket delivered seven ESA-sponsored CubeSats into low Earth orbit. Since then, ESA's Education Office has maintained frequent contacts with the student teams to follow the progress of their satellite operations.
Read more:http://www.esa.int/SPECIALS/Education/SEM2KRGY50H_0.html

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4537. MicroThrust Motor for Nanosats

Yahoo group: eu-amsat
Date: 2012-03-31 15:28:57 UTC
From: Trevor .
Topic: 4537 Message: 4537

An interesting Swiss project see http://www.uk.amsat.org/6180

AMSAT-UK News on Twitter http://twitter.com/AMSAT_UK/

73 Trevor M5AKA

4538. Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 07:23:17 UTC
From: Trevor .
Topic: 4538 Message: 4538

See http://www.uk.amsat.org/6194

73 Trevor M5AKA

4539. AMSAT UK 80m Net, Audio + Major News

Yahoo group: eu-amsat
Date: 2012-04-01 09:33:29 UTC
From: Simon HB9DRV
Topic: 4539 Message: 4539

Today's recording (poor conditions, no Martin G3YJO)

http://www.ham-radio.ch/kits/sdr-radio.com/mp3/01-Apr-2012-1101%203.750MHz.mp3

The major news is the 2013 launch of Bonag-1, a HEO satellite constructed by the Isle of Man ARS (GT3FLH) at their advanced workshop (meetings every Wednesday). Launch is set for April 1st, 2013 using a spare rocket from the now decommissioned nuclear submarine facility at Foxdale (see below). Frequencies are 2m and 70cms AM *only*. AMSAT-IOM have allocated the name AF-01 to this satellite. More information about this secret project later today.

"Foxdale shipyard is located approximately 1km west of the town. The yard is owned by STX Europe yet operated by BAE Systems. It began operations in October 1927 and is still active today. The three large Cranes can be seen from across the island. Both of the Oasis class cruise ships are being constructed at the yard as well as the Type 212 submarines for the Italian navy. A contract has recently been won to build the 6 Rinascimento class frigates. The yard opens to the sea through the port of Peel, Isle of Man and navigation up the River Neb. A project is underway to deepen The Neb to accommodate the Astute class submarines which are to be serviced in the yard. The current manager of the yard is Donald 'Don' Brown. The Shipyard will not be affected by cuts to the BAE Systems workforce."

Simon Brown, HB9DRV
<http://sdr-radio.com> http://sdr-radio.com

You are standing at the end of a road before a small brick building. Around you is a forest.

A small stream flows out of the building and down a gully.

4540. Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 11:52:50 UTC
From: Thomas Frey
Topic: 4538 Message: 4540

Trevor . schrieb:
> See http://www.uk.amsat.org/6194
>
> 73 Trevor M5AKA
>
>
>
>

Hello All

Lego-1 was launched today with a Lego-Rocket from my backyard. Lego-1
is deployed successfully into orbit and the CW beacon is activated.
The Morse message is "HI HI THIS IS LEGO-1 LAUNCHED AT 1ST APRIL".
This are the Kepler data:

Lego-1
1 41414U 14141A 41414.14141414 .14141414 14141-4 14141+4 1 4141
2 41414 141.4141 414.1414 1414141 414.1414 141.4141 41.41414141414141

--

A happy day, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4541. Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 13:13:34 UTC
From: Roberto
Topic: 4538 Message: 4541

Please Beacon freq ?
73 de iw5bsf Roberto
----- Original Message -----
From: Thomas Frey
To: eu-amsat@yahoogroups.com
Sent: Sunday, April 01, 2012 1:52 PM
Subject: Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Trevor . schrieb:
> See http://www.uk.amsat.org/6194
>
> 73 Trevor M5AKA
>
>
>
>

Hello All

Lego-1 was launched today with a Lego-Rocket from my backyard. Lego-1
is deployed successfully into orbit and the CW beacon is activated.
The Morse message is "HI HI THIS IS LEGO-1 LAUNCHED AT 1ST APRIL".
This are the Kepler data:

Lego-1
1 41414U 14141A 41414.14141414 .14141414 14141-4 14141+4 1 4141
2 41414 141.4141 414.1414 1414141 414.1414 141.4141 41.41414141414141

--

A happy day, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4542. Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 14:30:00 UTC
From: Thomas Frey
Topic: 4538 Message: 4542

Roberto schrieb:
> ☐
>
> Please Beacon freq ?
> 73 de iw5bsf Roberto

435.1414 MHz CW :-)

> ----- Original Message -----
> *From:* Thomas Frey <mailto:th.frey@...>
> *To:* eu-amsat@yahoogroups.com <mailto:eu-amsat@yahoogroups.com>
> *Sent:* Sunday, April 01, 2012 1:52 PM
> *Subject:* Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012
>
> Trevor . schrieb:
> > See http://www.uk.amsat.org/6194
> >
> > 73 Trevor M5AKA
> >
> >
> >
> >
>
> Hello All
>
> Lego-1 was launched today with a Lego-Rocket from my backyard. Lego-1
> is deployed successfully into orbit and the CW beacon is activated.
> The Morse message is "HI HI THIS IS LEGO-1 LAUNCHED AT 1ST APRIL".
> This are the Kepler data:
>
> Lego-1
> 1 41414U 14141A 41414.14141414 .14141414 14141-4 14141+4 1 4141
> 2 41414 141.4141 414.1414 1414141 414.1414 141.4141 41.41414141414141
>
> --
>
> A happy day, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>
>

>
>
>
>

--

Have a nice 1st April, 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4543. Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 16:31:11 UTC
From: Nitin Muttin
Topic: 4538 Message: 4543

Is there a website where we can find more information.

73
Nitin [VU3TYG]

From: Thomas Frey <th.frey@vtxmail.ch>
To: eu-amsat@yahoogroups.com
Sent: Sunday, 1 April 2012 8:00 PM
Subject: Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Roberto schrieb:
> □
>
> Please Beacon freq ?
> 73 de iw5bsf Roberto

435.1414 MHz CW :-)

> ----- Original Message -----
> *From:* Thomas Frey <mailto:th.frey@...>
> *To:* eu-amsat@yahoogroups.com <mailto:eu-amsat@yahoogroups.com>
> *Sent:* Sunday, April 01, 2012 1:52 PM
> *Subject:* Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012
>
> Trevor . schrieb:
> > See http://www.uk.amsat.org/6194
> >
> > 73 Trevor M5AKA
> >
> >
> >
> >
>
> Hello All
>
> Lego-1 was launched today with a Lego-Rocket from my backyard. Lego-1
> is deployed successfully into orbit and the CW beacon is activated.
> The Morse message is "HI HI THIS IS LEGO-1 LAUNCHED AT 1ST APRIL".
> This are the Kepler data:
>
> Lego-1
> 1 41414U 14141A 41414.14141414 .14141414 14141-4 14141+4 1 4141
> 2 41414 141.4141 414.1414 1414141 414.1414 141.4141 41.41414141414141
>
> --

>
> A happy day, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
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Have a nice 1st April, 73
Thomas, HB9SKA
_____

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4544. Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Yahoo group: eu-amsat
Date: 2012-04-01 16:45:47 UTC
From: Nitin Muttin
Topic: 4538 Message: 4544

In the exitement i did not read the entire email thread, :-) , Good one guys.

73
Nitin [VU3TYG]

From: Nitin Muttin <vu3tyg@...>
To: "eu-amsat@yahoogroups.com" <eu-amsat@yahoogroups.com>
Sent: Sunday, 1 April 2012 10:01 PM
Subject: Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Is there a website where we can find more information.

73
Nitin [VU3TYG]

From: Thomas Frey <th.frey@...>
To: eu-amsat@yahoogroups.com
Sent: Sunday, 1 April 2012 8:00 PM
Subject: Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012

Roberto schrieb:
> □
>
> Please Beacon freq ?
> 73 de iw5bsf Roberto

435.1414 MHz CW :-)

> ----- Original Message -----
> *From:* Thomas Frey <mailto:th.frey@vtxmail.ch>
> *To:* eu-amsat@yahoogroups.com <mailto:eu-amsat@...m>
> *Sent:* Sunday, April 01, 2012 1:52 PM
> *Subject:* Re: [eu-amsat] Lego 1U Cubesat, launch confirmed April 2012
>
> Trevor . schrieb:
> > See http://www.uk.amsat.org/6194
> >
> > 73 Trevor M5AKA
> >
> >
> >
> >
>
> Hello All
>

> Lego-1 was launched today with a Lego-Rocket from my backyard. Lego-1
> is deployed successfully into orbit and the CW beacon is activated.
> The Morse message is "HI HI THIS IS LEGO-1 LAUNCHED AT 1ST APRIL".
> This are the Kepler data:
>
> Lego-1
> 1 41414U 14141A 41414.14141414 .14141414 14141-4 14141+4 1 4141
> 2 41414 141.4141 414.1414 1414141 414.1414 141.4141 41.41414141414141
>
> --
>
> A happy day, 73
> Thomas Frey, HB9SKA
> ----------
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
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Have a nice 1st April, 73
Thomas, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4545. New Sat Frequencies for Poland

Yahoo group: eu-amsat
Date: 2012-04-05 10:49:01 UTC
From: Trevor .
Topic: 4545 Message: 4545

According to the Polski Związek Krótkofalowców (PZK) website 2400-2450 MHz has now been allocated to the Amateur-satellite Service in Poland. The website also indicates that the amateur radio BRITE-PL satellite, due to launch from Yasny on a DNEPR in October 2012, will be using this allocation.

See http://www.uk.amsat.org/6223

The Amateur Service in Poland was also allocated 70.1-70.3 MHz and 3400-3410 MHz.

Although in some parts of the world (ITU Regions 2 and 3) 3400-3410 MHz is allocated to the Amateur-satellite Service it is not in Europe and Africa. Indeed many countries in thos e continents do not even have an Amateur Service allocation at 3400-3410 MHz so the Polish move to allocate the band for the Amateur Service is a welcome step forward.

73 Trevor M5AKA

4546. SSB Nanosat TURKSAT-3USAT

Yahoo group: eu-amsat
Date: 2012-04-07 10:12:59 UTC
From: Trevor .
Topic: 4546 Message: 4546

The press story says the group hope to launch the satellite by the end of the year, however, I've not seen it listed on any launch manifests does anyone know which launcher they hope to use.

TURKSAT-3USAT certainly looks a very interesting Nanosat.

It features a 145 to 435 MHz linear transponder (apparently dual redundancy) and is also using Super-Capacitors as well as lithium polymer batteries.

See the story at http://www.uk.amsat.org/6288

AMSAT-UK news on Twitter: http://twitter.com/AMSAT_UK

73 Trevor M5AKA

4547. North Corea satellite launch

Yahoo group: eu-amsat
Date: 2012-04-11 07:47:08 UTC
From: Luc Leblanc
Topic: 4547 Message: 4547

Kwangmyongsong-3 rocket launch news

http://www.northkoreatech.org/2012/03/20/itu-confirms-dprk-satellite-launch-plans/
"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4548. Re: [eu-amsat] North Corea satellite launch

Yahoo group: eu-amsat
Date: 2012-04-11 10:48:33 UTC
From: Trevor .
Topic: 4547 Message: 4548

Hi Luc,

They say a downlink of 470 MHz was used for the earlier Kwangmyongsong-2 so I guess Kwangmyongsong-3 will also use the same band.

No doubt if the launch is successful then the exact frequency will be widely publicised.

73 Trevor M5AKA

--- On Wed, 11/4/12, Luc Leblanc <lucleblanc6@videotron.ca> wrote:

Kwangmyongsong-3 rocket launch news

http://www.northkoreatech.org/2012/03/20/itu-confirms-dprk-satellite-launch-plans/

"-"

Luc Leblanc VE2DWE

Skype VE2DWE

HTTP://www.qsl.net/ve2dwe

DSTAR urcall VE2DWE

WAC BASIC CW PHONE SATELLITE

4549. TechEdSat – Challenge for Space Hackers – April 21-22

Yahoo group: eu-amsat
Date: 2012-04-14 10:51:46 UTC
From: Trevor .
Topic: 4549 Message: 4549

The International Space Apps Challenge is a 2 day technology development event, taking place April 21-22. Among the challenges for Space Hackers is one relating to the amateur radio CubeSat TechEdSat.

See http://www.uk.amsat.org/6478

---
73 Trevor M5AKA
AMSAT-UK news on Twitter: http://twitter.com/AMSAT_UK

4550. The Yuri Gagarin International DX Contest 2012

Yahoo group: eu-amsat
Date: 2012-04-14 14:16:46 UTC
From: Thomas Frey
Topic: 4550 Message: 4550

This contest takes place April 14-15 and is dedicated to the memory
of Yuri Gagarin, who realized the first human flight to space,
on April 12, 1961

It runs from 21.00 UTC on April 14 till 21.00 UTC on April 15, 2012.

Contacts can be on 1.8, 3.5, 7.0, 14, 21 or 28 MHz bands and amateur
radio satellites.

See the rules at
http://gc.qst.ru/en/section/32

Source: Southgate AR News

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Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4551. Student CubeSat First-MOVE

Yahoo group: eu-amsat
Date: 2012-04-29 12:45:38 UTC
From: Trevor .
Topic: 4551 Message: 4551

First-MOVE carries an ISIS 70cm to 2m transceiver. The ISIS transceiver has the capability of acting as an FM to DSB transponder.

Student CubeSat First-MOVE – Vacuum Test
http://www.uk.amsat.org/6887

Video - TEDxKiruna Presentation – Human Exploration of Space
http://www.uk.amsat.org/6850

‘Kinect’ STRaND-2 at UK Space Agency Conference
http://www.uk.amsat.org/6795

UK Space Agency video - 50 Years of the UK in Space
http://www.uk.amsat.org/6773

There's also a FUNcube-1 Launch fund raising widget on the site.

73 Trevor M5AKA
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4552. Ecuadorian TV CubeSat will monitor near-earth objects + We are Makers

Yahoo group: eu-amsat
Date: 2012-04-29 20:09:18 UTC
From: Trevor .
Topic: 4552 Message: 4552

Ecuadorian CubeSat will monitor near-earth objects
(Great solar panels - the power generated by such a 1U CubeSat could support an 8 watt PEP 144 MHz transponder downlink)
http://www.uk.amsat.org/6932

Also on the AMSAT-UK site:

We Are Makers - Video features DIY Satellites and a brief picture of OSCAR-7
http://www.uk.amsat.org/6925

73 Trevor M5AKA
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4553. Delfi-C3 (DO-64) – 4 years in orbit

Yahoo group: eu-amsat
Date: 2012-04-29 20:49:10 UTC
From: Trevor .
Topic: 4553 Message: 4553

See http://www.uk.amsat.org/6948

73 Trevor M5AKA

4554. New Frequencies for AMSAT-UK FUNcube-1

Yahoo group: eu-amsat
Date: 2012-05-01 23:32:10 UTC
From: Trevor .
Topic: 4554 Message: 4554

```
Inverting linear transponder:
Uplink 435.150 – 435.130 MHz
Downlink 145.950 – 145.970 MHz

Telemetry: 145.935 MHz BPSK

Full story at http://www.uk.amsat.org/7014

73 Trevor M5AKA
----
```

4555. To the Moon on a Shoestring

Yahoo group: eu-amsat
Date: 2012-05-04 21:08:38 UTC
From: Trevor .
Topic: 4555 Message: 4555

Euroluna are fitting CubeSats with Ion motors to get to the Moon.
Watch last month's presentation to the Berlin Symposium at

http://www.uk.amsat.org/7129

Their first CubeSat fitted with an Ion Thruster, Romit1, will have a downlink on 437.505 MHz.

73 Trevor M5AKA

4556. Glasgow school students 434.25 MHz CanSat wins ESA competition

Yahoo group: eu-amsat
Date: 2012-05-06 11:24:05 UTC
From: Trevor .
Topic: 4556 Message: 4556

I liked this story at http://www.uk.amsat.org/7201

Having experienced the fun of space maybe in years to come we'll see some of those young people following it up with something more sophisticated.

A number of other Scottish schools also took part in the competition, see http://www.fistraltraining.co.uk/index.php?option=com_content&view=article&id=126&Itemid=75

Of course what we all want to see is something in a high (>1000 km orbit) carrying a transponder but there are several developments in the pipeline that may eventually lead to that. Certainly the ion motor that the Danish amateur group are using in their 2U CubeSat is a step in the right direction.

73 Trevor M5AKA

4557. Video - FM Interference to Linear Transponder Satellites

Yahoo group: eu-amsat
Date: 2012-05-08 11:57:47 UTC
From: Trevor .
Topic: 4557 Message: 4557

A good video by OZ9AEC highlights the problem of people who do not understand the bandplan and hold local FM contacts in the satellite segments.

See http://www.uk.amsat.org/7260

73 Trevor M5AKA

4558. Japanese CubeSat Launch

Yahoo group: eu-amsat
Date: 2012-05-16 10:25:44 UTC
From: Thomas Frey
Topic: 4558 Message: 4558

Hello All

Following a text forward from Peter, DB2OS:

> Dear Peter,
>
> I would like to ask your help.
> Laboratory which I was joined has developed a CubeSat, named "HORYU".
> The CubeSat will be launched with JAXA's satellite "SHIZUKU" at 17 May(UTC).
> I was a member of HORYU project. And my younger members finished the
> development. Current members need a help for telemetry reception.
> Could you introduce the satellite, HORYU, to AMSAT-DL community?
>
> Thank you for your help.
>
> *** Information***
>
> Scheduled date of Launch: May 17, 2012 (UTC)
> Launch time: 16:39 - 16:42 (UTC)
> "HORYU" project website:
> http://kitsat.ele.kyutech.ac.jp/index_e_new.html
>
> JAXA "SHIZUKU" website:
> http://www.jaxa.jp/countdown/f21/index_e.html
>
> *********
>
> Best regards,
>
> Naomi
>

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4559. Re: [FUNcube] Re: AX.25 Packet Satellite Launches Today 1639 UT

Yahoo group: eu-amsat
Date: 2012-05-17 18:16:38 UTC
From: Nitin Muttin
Topic: 4559 Message: 4559

Below is initial TLE info that I recieved from the project team.
 horyu2
1 99999U 00000   12138.72832176 0.00000000 00000-0 00000-0 0 0000
2 99999 98.1791 078.4042 0029983 89.5172 204.2594 14.72500867000000

73
Nitin [VU3TYG]

From: Trevor . <m5aka@...>
To: FUNcube Group <funcube@...>
Sent: Thursday, 17 May 2012 11:43 PM
Subject: [FUNcube] Re: AX.25 Packet Satellite Launches Today 1639 UT

My deliberate typo was the frequency - I meant 437.375 MHz.

>
> The free HORYU-2 telemetry software and details of the
> competition can be downloaded from
>
> http://kitsat.ele.kyutech.ac.jp/Documents/information_launch_english.html
>
> Information on HORYU-2 is also at
>
> http://www.uk.amsat.org/7404
>
> 73 Trevor M5AKA
> AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK
> AMSAT-UK: http://www.uk.amsat.org/
> ----

4560. HORYU-2 TLE and Telemetry Competition

Yahoo group: eu-amsat
Date: 2012-05-17 18:26:03 UTC
From: Trevor .
Topic: 4560 Message: 4560

TLE at
http://kitsat.ele.kyutech.ac.jp/Documents/ground_station/TLE.txt

There will be a monthly competition for those who send data received from the 437.375 MHz telemetry to the KIT server, via the HORYU-2 telemetry analysis software.

The free HORYU-2 telemetry software and details of the competition can be downloaded from http://kitsat.ele.kyutech.ac.jp/Documents/information_launch_english.html

Further information on HORYU-2 is at http://www.uk.amsat.org/7404

73 Trevor M5AKA
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK
AMSAT-UK: http://www.uk.amsat.org/

4561. HORYU-2 Separation Video + HORYU-2 Reception Video

Yahoo group: eu-amsat
Date: 2012-05-18 11:04:30 UTC
From: Trevor .
Topic: 4561 Message: 4561

HORYU-2 Separation Video
http://www.uk.amsat.org/7540

HORYU-2 heard over Africa
http://www.uk.amsat.org/7547

73 Trevor M5AKA
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK
AMSAT-UK: http://www.uk.amsat.org/

4562. Horyu-2 SDR

Yahoo group: eu-amsat
Date: 2012-05-20 16:10:42 UTC
From: yo9gjx
Topic: 4562 Message: 4562

A Web-SDR receiver for Horyu-2 in north Romania KN37CP
http://sdr.opt.ro:8901/

4563. UKube-1 Taking Shape + KN-SAT1 Video

Yahoo group: eu-amsat
Date: 2012-05-24 10:48:40 UTC
From: Trevor .
Topic: 4563 Message: 4563

The 3U CubeSat UKube-1 is moving towards full integration in July.

See http://www.uk.amsat.org/7636

A TEDxKhartoum presentation on KN-SAT1 by ST2AB. It's not in English, however, the segment from 09:12 until 13:25 contains video showing the development of the KN-SAT1 CubeSat including a test of the deployment of the antennas.

See http://www.uk.amsat.org/7680

---
73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4564. Italian Microsat to Deploy Six Amateur Radio Satellites

Yahoo group: eu-amsat
Date: 2012-05-25 12:20:35 UTC
From: Trevor .
Topic: 4564 Message: 4564

See http://www.uk.amsat.org/7717

73 Trevor M5AKA
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4565. 2nd Call For Speakers for AUK International Space Colloquium

Yahoo group: eu-amsat
Date: 2012-05-28 20:11:00 UTC
From: Trevor .
Topic: 4565 Message: 4565

This is the second call for speakers for the AMSAT-UK International Space Colloquium which, due to the Olympic & Paralympic Games, will be held this year on the weekend of September 15-16, 2012 at the Holiday Inn, Guildford, GU2 7XZ, United Kingdom.

AMSAT-UK invites speakers, to cover topics about micro-satellites, CubeSats, nano-sats, space and associated activities, for this event.

Further details at
http://www.uk.amsat.org/7787

73 Trevor M5AKA
AMSAT-UK: http://www.uk.amsat.org/

4566. Status of AlmaSat ?

Yahoo group: eu-amsat
Date: 2012-06-04 15:36:28 UTC
From: Thomas Frey
Topic: 4566 Message: 4566

Hello to Italy

Has anyone any infos about AlmaSat ? I've never heard it on 437.465 MHz.
Is it QRV on 2407.850 MHz ?

--

Mille Grazie, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4567. Re: [eu-amsat] Status of AlmaSat ?

Yahoo group: eu-amsat
Date: 2012-06-04 22:04:29 UTC
From: Trevor .
Topic: 4566 Message: 4567

I thought Almasat ceased functioning on February 14 ?

73 Trevor M5AKA

--- On Mon, 4/6/12, Thomas Frey <th.frey@...> wrote:

Hello to Italy

Has anyone any infos about AlmaSat ? I've never heard it on 437.465 MHz.

Is it QRV on 2407.850 MHz ?

--

Mille Grazie, 73

Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41

http://home.datacomm.ch/th.frey/

4568. Re: [eu-amsat] Status of AlmaSat ?

Yahoo group: eu-amsat
Date: 2012-06-05 12:28:20 UTC
From: Thomas Frey
Topic: 4566 Message: 4568

Trevor . schrieb:
> I thought Almasat ceased functioning on February 14 ?
>
> 73 Trevor M5AKA

Thanks Trevor for the info. I read never an official info about the
malfunction. Armando's, N8IGJ, answer on AMSAT-BB was also vague.
I would do tests with my mode-S converter via sat.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4569. Re: [eu-amsat] Status of AlmaSat ?

Yahoo group: eu-amsat
Date: 2012-06-05 12:39:44 UTC
From: Marco IK1ODO -2
Topic: 4566 Message: 4569

At 17:36 04-06-12, you wrote:
>
>
>Hello to Italy
>
>Has anyone any infos about AlmaSat ? I've never heard it on 437.465 MHz.
>Is it QRV on 2407.850 MHz ?

As far as I know it has never been heard on S-band. It stopped transmitting after a few days, I was able to decode some packet from the UHF channel. Then it stopped transmitting and responding to commands. The last communication I had with the team has been on Feb. 27. For an update you may contact the team, Alessandro Avanzi <a.avanzi@...> and Fabio Antonini <fabio.antonini@...>

Vy 73 - Marco IK1ODO

4570. Re: [eu-amsat] Status of AlmaSat ?

Yahoo group: eu-amsat
Date: 2012-06-05 12:39:44 UTC
From: Marco IK1ODO -2
Topic: 4566 Message: 4570

At 17:36 04-06-12, you wrote:
>
>
>Hello to Italy
>
>Has anyone any infos about AlmaSat ? I've never heard it on 437.465 MHz.
>Is it QRV on 2407.850 MHz ?

As far as I know it has never been heard on S-band. It stopped transmitting after a few days, I was able to decode some packet from the UHF channel. Then it stopped transmitting and responding to commands. The last communication I had with the team has been on Feb. 27. For an update you may contact the team, Alessandro Avanzi <a.avanzi@...> and Fabio Antonini <fabio.antonini@...>

Vy 73 - Marco IK1ODO

4571. Raspberry Pi + Interplanetary CubeSat Workshop Videos

Yahoo group: eu-amsat
Date: 2012-06-07 23:16:13 UTC
From: Trevor .
Topic: 4571 Message: 4571

The US$35 Raspberry Pi ARM-based computer board has been used to run the GPredict satellite tracking software.

See http://www.uk.amsat.org/?p=8019

AMSAT-UK FunCube Dongle receiving HORYU-2 Satellite video
http://www.uk.amsat.org/?p=8016

1st Interplanetary CubeSat Workshop presentations and videos available
http://www.uk.amsat.org/?p=8011

73 Trevor M5AKA
AMSAT-UK News on Twitter http://twitter.com/AMSAT_UK

4572. HTV-3 satellites launch July 21

Yahoo group: eu-amsat
Date: 2012-06-08 20:38:40 UTC
From: Trevor .
Topic: 4572 Message: 4572

HTV-3 launch July 21, video shows JEM-Small Satellite Orbital Deployer
http://www.uk.amsat.org/?p=8078

FITSAT-1 is one of the five satellites that will be carried by the HTV-3 and it will signal in Morse code across the night sky using LED's
http://www.uk.amsat.org/?p=2037

A CubeSat built using a 3D Printer plans to launch next May
http://www.uk.amsat.org/?p=8056

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
Booking at http://tinyurl.com/Colloquium2012Booking

4573. VK5ZAI on TV + SAREX 1992 Video

Yahoo group: eu-amsat
Date: 2012-06-11 20:10:36 UTC
From: Trevor .
Topic: 4573 Message: 4573

Tony Hutchison VK5ZAI On TV Show, I believe from 2008 ?
http://www.uk.amsat.org/?p=8161

Jay Leno - SAREX Shuttle Amateur Radio Experiment 1992 Video
http://www.uk.amsat.org/?p=8172

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
Booking at http://tinyurl.com/Colloquium2012Booking

4574. Spacelab – STS-50 Mission 1992 Video

Yahoo group: eu-amsat
Date: 2012-06-16 09:53:56 UTC
From: Trevor .
Topic: 4574 Message: 4574

See http://www.uk.amsat.org/8308

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4575. CP8 CubeSat

Yahoo group: eu-amsat
Date: 2012-06-19 06:45:13 UTC
From: Trevor .
Topic: 4575 Message: 4575

CP8 will carry 4 cameras, after the initial mission completed it will function as a digipeater.

See http://www.uk.amsat.org/?p=8418

Also on the AMSAT-UK site is a vintage video of Space Shuttle STS-47 Endeavour Spacelab-J and links to ITN TV News reports of the Space Experiment it carried developed by Ashford School for Girls in Kent, UK.

See http://www.uk.amsat.org/?p=8393

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4576. F-1 (XV1VN) Deployment Video

Yahoo group: eu-amsat
Date: 2012-06-19 17:05:20 UTC
From: Trevor .
Topic: 4576 Message: 4576

Video of the planned deployment in September of the F-1 CubeSat, callsign XV1VN
http://www.uk.amsat.org/?p=8446

SkyCube Proposes “Tweets from Space” for donors
http://www.uk.amsat.org/?p=8435

73 Trevor M5AKA

4577. Re: [amsat-bb] Re: SkyCube CubeSat Proposes "Tweets from Space"

Yahoo group: eu-amsat
Date: 2012-06-21 02:46:55 UTC
From: Luc Leblanc
Topic: 4577 Message: 4577

On 20 Jun 2012 at 17:05, Lee Maisel wrote:

Date sent: Wed, 20 Jun 2012 17:05:28 -0600
From: Lee Maisel <maisel@...>
Subject: [amsat-bb] Re: SkyCube CubeSat Proposes "Tweets from Space"
Copies to: amsat-bb@...

> Interesting. But if they word it properly, and the $1 donation is
> strictly to support the mission, then only donors can "tweet" or
> whatever. Since it's not for-profit venture anyway.....
>
> Lee
> W5LMM

There is some hope down the border!!!

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE
President of the Sorel-Tracy VE2CBS ARC
Chairman of the Québec Provincial Hamfest 30Th edition
Quebec Amateur Radio incorporated (RAQI) administrator
Devoted his skills to improve amateur radio scope of field
Neglecting amateur radio satellite communication field for various reasons...

And still sending 73ss.

4578. 10th Anniversary of OSCAR 7 returning to life

Yahoo group: eu-amsat
Date: 2012-06-21 14:02:45 UTC
From: Trevor .
Topic: 4578 Message: 4578

See http://www.uk.amsat.org/?p=8524

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4579. CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-26 15:31:53 UTC
From: Trevor .
Topic: 4579 Message: 4579

There is a graphic of the CAS-2 amateur radio satellite in a picture of the CAMSAT poster taken at HAM RADIO 2012 in Friedrichshafen.

Was anyone who attended Friedrichshafen able to find out any further information.

Picture is on ARRL Facebook page
https://www.facebook.com/photo.php?fbid=10150909875317408&set=a.10150905512802408.421360.20069212407&type=3&l=a162583ded&theater

73 Trevor M5AKA

4580. Re: [eu-amsat] CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-26 16:03:56 UTC
From: Trevor .
Topic: 4579 Message: 4580

A bit of additional info in Google English at

Further information in Google English can be seen at http://tinyurl.com/CAMSAT-CAS-2

73 Trevor M5AKA

--- On Tue, 26/6/12, Trevor . <m5aka@...> wrote:

There is a graphic of the CAS-2 amateur radio satellite in a picture of the CAMSAT poster taken at HAM RADIO 2012 in Friedrichshafen.

Was anyone who attended Friedrichshafen able to find out any further information.

Picture is on ARRL Facebook page

https://www.facebook.com/photo.php?fbid=10150909875317408&set=a.10150905512802408.421360.20069212407&type=3&l=a162583ded&theater

73 Trevor M5AKA

4581. Re: [eu-amsat] CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-26 23:27:00 UTC
From: Thomas Frey
Topic: 4579 Message: 4581

Hello Trevor

I was in Friedrichshafen at HAM Radio. There was a Chinese Girl sitting
at an empty table, nothing else. I got a QSL card from a Chinese expedition
from her, nothing else. She don't speak English. Only Chinese, nothing
else. ;-)

Trevor . schrieb:
>
>
> A bit of additional info in Google English at
>
> Further information in Google English can be seen at
> http://tinyurl.com/CAMSAT-CAS-2
>
> 73 Trevor M5AKA
>
> --- On *Tue, 26/6/12, Trevor . /<m5aka@...>/* wrote:
>
>
> There is a graphic of the CAS-2 amateur radio satellite in a
> picture of the CAMSAT poster taken at HAM RADIO 2012 in
> Friedrichshafen.
>
> Was anyone who attended Friedrichshafen able to find out any
> further information.
>
> Picture is on ARRL Facebook page
> https://www.facebook.com/photo.php?fbid=10150909875317408&set=a.10150905512802408.421360
.20069212407&type=3&l=a162583ded&theater
> <https://www.facebook.com/photo.php?fbid=10150909875317408&set=a.10150905512802408.42136
0.20069212407&type=3&l=a162583ded&theater>
>
> 73 Trevor M5AKA
>
>
>
>

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4582. Re: [eu-amsat] CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-27 08:42:10 UTC
From: Trevor .
Topic: 4579 Message: 4582

There's pics of the AMSAT-DL & CAMSAT stands as well and the engraved glass plaque that CAMSAT presented to AMSAT-DL on the AMSAT-DL Facebook page at

https://www.facebook.com/media/set/?set=a.420116544697800.90571.168177559891701&type=3

73 Trevor M5AKA

4583. Re: [eu-amsat] CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-28 10:34:39 UTC
From: Thomas Frey
Topic: 4579 Message: 4583

Trevor . schrieb:
> There's pics of the AMSAT-DL& CAMSAT stands as well and the engraved glass plaque that CAMSAT presented to AMSAT-DL on the AMSAT-DL Facebook page at
>
> https://www.facebook.com/media/set/?set=a.420116544697800.90571.168177559891701&type=3
>
> 73 Trevor M5AKA
>
>
Hello All

More infos: Peter, DB2OS, has made a contact to China and CAMSAT and offered a cooperation between AMSAT-DL and CAMSAT, also with P3E. The offer was accepted benevolent.

The launch of CAS-2 is planned for 2014 in an orbit of 1000 km hight with an inclination of maximal 12 degrees. The primary non-HAM payload is voluminous, so only a FM Repeater has room in it.

This are in-official news !

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4584. Re: [eu-amsat] CAMSAT CAS-2

Yahoo group: eu-amsat
Date: 2012-06-28 11:43:45 UTC
From: Trevor .
Topic: 4579 Message: 4584

--- On Thu, 28/6/12, Thomas Frey <th.frey@...> wrote:
> More infos: Peter, DB2OS, has made a contact to China and CAMSAT
> and offered a cooperation between AMSAT-DL and CAMSAT, also with P3E.
> The offer was accepted benevolent.
>
> The launch of CAS-2 is planned for 2014 in an orbit of 1000 km hight
> with an inclination of maximal 12 degrees. The primary non-HAM payload
> is voluminous, so only a FM Repeater has room in it.

Thanks for the info Thomas,

With an inclination of 12 degrees it looks like it won't be receivable in the UK, however, it's really good news that CAMSAT are continuing their collaboration with the Qian Youth Aerospace Academy and have been able to get an amateur payload in the spacecraft.

There appears to be two CAS-2 satellites A1 and A2.

73 Trevor M5AKA

4585. 145/435 MHz MiR Launch July 13

Yahoo group: eu-amsat
Date: 2012-07-04 09:28:09 UTC
From: Trevor .
Topic: 4585 Message: 4585

I gather it's got a camera on-board.

Uplink is 145 MHz
Downlink is 435 MHz
Control link is 2400 MHz

Orbit 1350 km ?

Further information at
http://www.iss-reshetnev.com/images/File/magazin/2012/m14-screen_en.pdf

73 Trevor M5AKA
AMSAT-UK website http://www.uk.amsat.org/

4586. Re: [eu-amsat] 145/435 MHz MiR Launch July 13

Yahoo group: eu-amsat
Date: 2012-07-04 10:25:15 UTC
From: Thomas Frey
Topic: 4585 Message: 4586

Trevor . schrieb:
> I gather it's got a camera on-board.
>
> Uplink is 145 MHz
> Downlink is 435 MHz
> Control link is 2400 MHz
>
> Orbit 1350 km ?
>
> Further information at
> http://www.iss-reshetnev.com/images/File/magazin/2012/m14-screen_en.pdf
>
> 73 Trevor M5AKA
> AMSAT-UK website http://www.uk.amsat.org/
> ----
>
>
Hello Trevor

This is one more satellite with a DOKA-B transponder with a Downlink
in FM on 435.3xx MHz. Its commercial, NOT Amateur Radio - oh boy ...

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4587. Re: [eu-amsat] 145/435 MHz MiR Launch July 13

Yahoo group: eu-amsat
Date: 2012-07-04 11:00:36 UTC
From: Trevor .
Topic: 4585 Message: 4587

--- On Wed, 4/7/12, Thomas Frey <th.frey@...> wrote:
> This is one more satellite with a DOKA-B transponder with a Downlink
> in FM on 435.3xx MHz. Its commercial, NOT Amateur Radio - oh boy ...

I worry where in 435 the downlink will be as the Russian Federation doesn't participate in International Frequency Coordination.

There are several Mode B linear transponder amateur radio sats scheduled for launch towards the end of 2012 and in 2013 that will have uplinks in 435 MHz so I'm hoping the MiR downlink will miss those.

Where did you find the reference to 435.3xx ?

It looks like they will be transmitting video from the satellite which implies a higher data rate and wider bandwidth on the downlink than previous satellites.

73 Trevor M5AKA

4588. Re: [eu-amsat] 145/435 MHz MiR Launch July 13

Yahoo group: eu-amsat
Date: 2012-07-04 12:34:51 UTC
From: Thomas Frey
Topic: 4585 Message: 4588

Trevor . schrieb:
> --- On Wed, 4/7/12, Thomas Frey<th.frey@...> wrote:
>
>> This is one more satellite with a DOKA-B transponder with a Downlink
>> in FM on 435.3xx MHz. Its commercial, NOT Amateur Radio - oh boy ...
>>
> I worry where in 435 the downlink will be as the Russian Federation doesn't participate in International Frequency Coordination.
>
> There are several Mode B linear transponder amateur radio sats scheduled for launch towards the end of 2012 and in 2013 that will have uplinks in 435 MHz so I'm hoping the MiR downlink will miss those.
>
> Where did you find the reference to 435.3xx ?
>
> It looks like they will be transmitting video from the satellite which implies a higher data rate and wider bandwidth on the downlink than previous satellites.
>
> 73 Trevor M5AKA
>
>
We had many discussions about this Russian satellites in this group.
I wrote many times this are intruders and I was shod as a Troll. But
I can repeat myself: Beware us for satellites from the Reshetnev
Company.

Actual active satellites are:

Mozhayets-4 on 435.3523 MHz with CW and DOKA-B in FM
Yubileiny on 435.3155 MHz - dito
Chibis-M on 435.3150 MHz with DOKA-B in FM

And there are more to come! The Reshetnev Company also found the
free amateur radio frequencies, not only the universities.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4589. Summer OSCAR News in the Post

Yahoo group: eu-amsat
Date: 2012-07-09 10:55:36 UTC
From: Trevor .
Topic: 4589 Message: 4589

The 40 page Summer edition of the AMSAT-UK publication OSCAR News is being posted to members.

In this issue:
- Development of High Voltage Technology Demonstration Satellite, HORYU-2
- A Multi-purpose Portable Set-up: Working Low Earth Orbit Satellites from any place
- AMSAT-UK International Space Colloquium Guildford Sep 15-16
- Increase in ISS Debris Avoidance Manoeuvres
- G3CVI column "Haven't got a callsign?"
- The FUNcube Dongle and the next generation
- FUNcube Report June 2012
- AMSAT-FOX
- Listening to the ISS
- ITAR - International Traffic in Arms Regulations
- ESMO - European Student Moon Orbiter

You can get OSCAR News by joining AMSAT-UK online at
http://tinyurl.com/JoinAMSAT-UK

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

4590. Sat tracker question

Yahoo group: eu-amsat
Date: 2012-07-10 14:50:25 UTC
From: n5vei
Topic: 4590 Message: 4590

This is a bit off topic, but I am having trouble with my NOVA tracker and cannot find the correct Yahoo group for support. Does anyone know which group it is? I keep getting "invalid floating point operation" errors.

4591. Re: [eu-amsat] Sat tracker question

Yahoo group: eu-amsat
Date: 2012-07-10 16:40:30 UTC
From: Thomas Frey
Topic: 4590 Message: 4591

n5vei schrieb:
> This is a bit off topic, but I am having trouble with my NOVA tracker and cannot find the correct Yahoo group for support. Does anyone know which group it is? I keep getting "invalid floating point operation" errors.
>
>
>
>
I searched and found this Group:
http://groups.yahoo.com/group/HAM-SATs/

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4592. SST-US and Virgin Galactic Small Satellite Launches

Yahoo group: eu-amsat
Date: 2012-07-11 16:31:26 UTC
From: Trevor .
Topic: 4592 Message: 4592

Surrey Satellite Technology US LLC is collaborating with Virgin Galactic to offer radically cheaper option for developing, launching small satellites.

See http://www.uk.amsat.org/8836

73 Trevor M5AKA
AMSAT-UK International Space Colloquium Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4593. KJ6TVO “Pursuing My Childhood Dream”

Yahoo group: eu-amsat
Date: 2012-07-20 21:09:29 UTC
From: Trevor .
Topic: 4593 Message: 4593

Ali Guarneros Luna KJ6TVO was one of the team who worked on TechEdSat that launches with four other CubeSats to the ISS in a few hours time.

See http://www.uk.amsat.org/?p=9058

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4594. First-Move

Yahoo group: eu-amsat
Date: 2012-07-21 18:31:02 UTC
From: Trevor .
Topic: 4594 Message: 4594

First-Move will be transported to the Netherlands in September in preparation for its launch with other CubeSats on a DNEPR later this year.

First-Move CubeSat Integration Video
http://www.uk.amsat.org/?p=9109

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4595. Electrodynamic Tether Propulsion

Yahoo group: eu-amsat
Date: 2012-07-23 18:44:31 UTC
From: Trevor .
Topic: 4595 Message: 4595

The CubeSat Tethersat, planned to launch July 2013, aims to test electrodynamic tether propulsion.

See http://www.uk.amsat.org/?p=9165

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4596. Amateur Radio Lunar Rover

Yahoo group: eu-amsat
Date: 2012-07-24 10:49:32 UTC
From: Trevor .
Topic: 4596 Message: 4596

A German team - Part Time Scientists - are aiming to send a Lunar Rover to the Moon.

See http://www.uk.amsat.org/?p=9175

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4597. New page for loging sat QSO's

Yahoo group: eu-amsat
Date: 2012-07-25 21:03:43 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4597 Message: 4597

Hello there,

Surfing the net I have discovered this page in where you can log your sat QSO□s, and many more, If you feel comfortable with it, please use it.

Thanks for reading this message,

EA1JM, fran

4598. RE: [eu-amsat] New page for loging sat QSO's

Yahoo group: eu-amsat
Date: 2012-07-25 21:08:49 UTC
From: Francisco Jiménez-Martín Sánchez
Topic: 4597 Message: 4598

Sorry, forgot the address:

http://www.logersat.com/

Regards from Spain!

De: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] En nombre de Francisco Jiménez-Martín Sánchez
Enviado el: miércoles, 25 de julio de 2012 23:04
Para: eu-amsat@yahoogroups.com
Asunto: [eu-amsat] New page for loging sat QSO's

Hello there,

Surfing the net I have discovered this page in where you can log your sat QSO□s, and many more, If you feel comfortable with it, please use it.

Thanks for reading this message,

EA1JM, fran

4599. Re: Amateur Radio Lunar Rover

Yahoo group: eu-amsat
Date: 2012-07-27 16:54:13 UTC
From: Trevor .
Topic: 4596 Message: 4599

Two videos of the presentations that the Part-Time Scientist team gave to the Chaos Communication Camp can be seen on the AMSAT-UK website.

Not your Grandfathers moon landing
http://www.uk.amsat.org/?p=9258

The OSSI satellite due for launch in December has generated a vast amount of press publicity, last night I countered over 60 news outlets running the story two of which were UK national newspapers, see

http://www.uk.amsat.org/?p=9220

Due to the low orbit it'll only have a lifetime of 1 year. It's 145 up 435 band down but I'm unclear if it will permit two-way communications.

73 Trevor M5AKA

4600. MiR - Yubileiny 2 - RS-40 - launched yesterday

Yahoo group: eu-amsat
Date: 2012-07-29 10:50:38 UTC
From: Trevor .
Topic: 4600 Message: 4600

MiR also known as Yubileiny 2 or RS-40 was built by students and research staff of the Siberian State Aerospace University.

PE0SAT reports the downlink is 435.365 MHz
http://www.pe0sat.vgnet.nl/tag/yubileiny-2/

73 Trevor M5AKA

4601. 2o12W

Yahoo group: eu-amsat
Date: 2012-08-01 08:53:00 UTC
From: Trevor .
Topic: 4601 Message: 4601

A picture of Ken GW1FKY operating the Olympic Flagship Special Event Station 2 Oscar 12 Whiskey (2o12W) on the amateur radio satellites can be seen at

http://www.uk.amsat.org/?p=9322

73 Trevor M5AKA

4602. Amateur Radio CubeSats to launch Thursday Aug 2

Yahoo group: eu-amsat
Date: 2012-08-01 12:08:08 UTC
From: Trevor .
Topic: 4602 Message: 4602

They'll be new signals to listen out for on 437 MHz following Thursdays amateur radio CubeSat launch from Vandenberg,
Frequencies, preliminary TLE's and additional information is at:

http://www.uk.amsat.org/?p=9277

The CubeSat IRC chat channel is the place to be on launch day. Join the CubeSat IRC chat channel to pass on their news and comments in realtime. You will need an IRC client such as ChatZilla for Firefox or mIRC
to join the CubeSat chat. Use the irc.freenode.net server. Then join
the #cubesat channel. Many users set their chat nickname to
“name_callsign”.

AMSAT-UK publishes a colour A4 newsletter, OSCAR News, which is full of Amateur Satellite information. Free sample issue at http://www.uk.amsat.org/on_193_final.pdf

Join AMSAT-UK online at http://tinyurl.com/JoinAMSAT-UK

73 Trevor M5AKA

4603. Curiosity - Bochum ?

Yahoo group: eu-amsat
Date: 2012-08-06 08:13:43 UTC
From: Trevor .
Topic: 4603 Message: 4603

At the end of last year Radio Amateurs at Bochum received the Mars Science Laboratory (MSL) on its way to Mars.
http://www.uk.amsat.org/2578

Does anyone know if they have received anything since ?

The Operations Manager at the Canberra Deep Space Communication Complex VK1ALR was interviewed by the Canberra Times newspaper, see

See http://www.uk.amsat.org/?p=9407

N8MH to speak at AMSAT-UK International Space Colloquium,
Guildford, Sept. 15-16 http://www.uk.amsat.org/?p=9388

73 Trevor M5AKA

4604. 437 MHz - Curiosity - Mars Reconnaissance Orbiter Frequencies

Yahoo group: eu-amsat
Date: 2012-08-06 20:36:47 UTC
From: Trevor .
Topic: 4604 Message: 4604

My thanks to someone who emailed me earlier this evening.

Curiosity transmits around 401 MHz but the transponder on the Mars Reconnaissance Orbiter has a CCSDS Forward Frequency in the 437 MHz Amateur-Satellite Service band.

We well know that 435-438 MHz is shared with the Military but 432-438 MHz is of course a Space SAR Band and I understand General Space usage extends beyond that.

This paper describes the operation of the MRO (see page 34 onwards)
http://descanso.jpl.nasa.gov/DPSummary/MRO_092106.pdf

73 Trevor M5AKA

4605. Vermont Lunar Lander Ion Drive CubeSat aims for 2013 launch

Yahoo group: eu-amsat
Date: 2012-08-08 08:50:11 UTC
From: Trevor .
Topic: 4605 Message: 4605

This is just the technology we need for amateur radio communications CubeSats.

We don't need to go to the Moon but we do need to be able to get a CubeSat orbit in the 1250-2500 km range.

Watch the Vermont Ion Drive CubeSat presentation (skip first 7 minutes) at

http://www.uk.amsat.org/?p=9508

In Europe the Euroluna team (Team President OZ1HIA) has developed a 2U CubeSat with Ion drive for launch 2013 which aims to raise the orbit from 310 km to 700 km over the course of a year.

A CubeSat with fold out panels similar to that used on the Pegasus NEE-01 CubeSat could deliver enough power to support a 2-4 watt PEP output software defined linear transponder (SDX). You'd need that kind of power level on 145 MHz for 2500 km orbits given that the sat antenna will be a simple omni-directional.

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4606. ESA - towards a new educational CubeSat initiative

Yahoo group: eu-amsat
Date: 2012-08-08 19:39:54 UTC
From: Trevor .
Topic: 4606 Message: 4606

An opportunity here for free CubeSat launches.

See http://www.uk.amsat.org/?p=9515

I don't know what the proposed orbit is. The last Vega CubeSat launch was a short lifetime but elliptical 1441 km by 310 km orbit.

73 Trevor M5AKA
AMSAT-UK International Space Colloquium takes place Guildford Sept. 15-16
http://www.uk.amsat.org/colloquium/twelve
AMSAT-UK News on Twitter: http://twitter.com/AMSAT_UK

4607. First Korean OSCAR

Yahoo group: eu-amsat
Date: 2012-08-09 12:24:59 UTC
From: Thomas Frey
Topic: 4607 Message: 4607

Hello All

There is an article about the first Korean OSCAR on Southgate AR News:
http://www.southgatearc.org/news/august2012/rsgb_books_used_by_korean_satellite_pioneer.htm

The first Korean OSCAR was KO-23, not KO-25, which was built in
collaboration and with support of SSTL in Guildford, Surrey England.
See http://www.amsat.org/amsat-new/satellites/satInfo.php?satID=47

Now, I don't know, if this books are used for the first KitSat-A or
for KitSat-B/KO-25.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4608. Surrey Satellite Technology Limited (SSTL) Kepler Building

Yahoo group: eu-amsat
Date: 2012-08-09 13:23:37 UTC
From: Trevor .
Topic: 4608 Message: 4608

The AMSAT-UK International Space Colloquium taking place September 15-16 at the Holiday Inn, Guildford, GU2 7XZ, United Kingdom, will provide an opportunity to visit the satellite facilities in the new Surrey Satellite Technology Limited (SSTL) Kepler Building.

See http://www.uk.amsat.org/?p=9565

73 Trevor M5AKA

4609. Re: [eu-amsat] First Korean OSCAR

Yahoo group: eu-amsat
Date: 2012-08-09 13:59:36 UTC
From: Trevor .
Topic: 4607 Message: 4609

Thanks for that, well spotted.

73 Trevor M5AKA

4610. How the Amateur Radio OSSI-1 Satellite Works

Yahoo group: eu-amsat
Date: 2012-08-10 14:46:13 UTC
From: Trevor .
Topic: 4610 Message: 4610

The Open Source Satellite Initiative has released a 20 minute video giving a general overview of the the Morse Code LED CubeSat OSSI-1.

See http://www.uk.amsat.org/?p=9600

73 Trevor M5AKA

4611. Radioskaf-3 / 4 / 5

Yahoo group: eu-amsat
Date: 2012-08-20 20:44:58 UTC
From: Trevor .
Topic: 4611 Message: 4611

The Radioskaf site lists Radioskaf-3 to commemorate 55th aniversary of Sputnik.

See http://tinyurl.com/Radioskaf-3

Currently manufactured "Radioskaf-3". This is the working name of the satellite, to be launched in honor of the 55th anniversary of the launching of the first artificial Earth satellite. This is an exact replica of the satellite, but modern components, plus on-board scientific instruments will YUZGU students.
"Radioskaf-4" - follow-on satellite programs. The development of the satellite units are students from various universities in Russia, Peru and Jordan. Starting in 2013 with the ISS. It is possible that the shell satellite (support structure) will again who served the Russian space suit, but does not exclude the possibility of placing the equipment in the hexagonal case.
"Radioskaf-5" - a project of the future satellite (the one in the photo below).
---

http://www.zarya.info/ lists 'Sphere' being deployed now (0.5m dia, 13 kg mass)

73 Trevor M5AKA

4612. Re: Radioskaf-3 / 4 / 5

Yahoo group: eu-amsat
Date: 2012-08-20 22:07:01 UTC
From: Trevor .
Topic: 4611 Message: 4612

Nasaspaceflight site is describing todays deployment as Sfera-53

"following which the satellite will stay on-orbit for around three months, during which time it will be used by Russian ground forces to evaluate ground station tracking and orbital debris decay models."

73 Trevor M5AKA

4613. Picture of todays ISS deployment - Meteor

Yahoo group: eu-amsat
Date: 2012-08-20 22:51:19 UTC
From: Trevor .
Topic: 4611 Message: 4613

https://twitter.com/Cmdr_Hadfield/statuses/237509757915779072?tw_i=237509757915779072&tw_e=media&tw_p=tweetembed

Looks like a passive sat.

Wonder when RadioSkaf-3 will be deployed then and what will be on it ?

73 Trevor M5AKA

4614. Just starting OSSI CubeSat presentation at Malmö Sweden

Yahoo group: eu-amsat
Date: 2012-08-23 08:00:38 UTC
From: Trevor .
Topic: 4614 Message: 4614

See http://www.uk.amsat.org/?p=9758

Also on the AMSAT-UK site

Amateur Radio CubeSat F-1 on TV
http://www.uk.amsat.org/?p=9746

73 Trevor M5AKA
AMSAT-UK International Space Colloquium, Guildford, Sept 15-16
http://www.uk.amsat.org/colloquium/twelve

4615. 14099 kHz CPUT CubeSat to launch in November

Yahoo group: eu-amsat
Date: 2012-08-25 19:43:12 UTC
From: Trevor .
Topic: 4615 Message: 4615

The amateur radio CubeSat designed and built by students at the Cape Peninsular University of Technology in Bellville will be launched towards the end of November.

See http://www.uk.amsat.org/?p=9891

73 Trevor M5AKA

4616. Smartphone and Kinect CubeSat Presentations

Yahoo group: eu-amsat
Date: 2012-08-29 12:57:16 UTC
From: Trevor .
Topic: 4616 Message: 4616

On September 15-16 Dr Chris Bridges will be giving two presentations to the AMSAT-UK International Space Colloquium at the Holiday Inn, Guildford, GU2 7XZ, United Kingdom.

Chris will cover the Nexus Android Smartphone amateur radio satellite STRaND-1 which will carry both a Resistojet and a Pulsed Plasma Thruster (PPT) module and STRaND-2 which will use Microsoft Xbox Kinect controller technology.

See http://www.uk.amsat.org/?p=9946

73 Trevor M5AKA

4617. AMSAT-UK 2012 Colloquium Programme On Line

Yahoo group: eu-amsat
Date: 2012-08-30 08:30:17 UTC
From: David Johnson
Topic: 4617 Message: 4617

Hi,

On behalf of the AMSAT-UK Committee I should like to announce that the programme for the event is now on-line at:

http://tinyurl.com/amsat2012

We are pleased to welcome senior representatives from AMSAT-NA, AMSAT-DL and AMSAT-SA who will be giving status updates on their respective development programmes.

There will be an update on the FUNcube project as well as some real-time demos of the Engineering model.

There are some other surprises in the programme, so please take a look.

Details of the event itself can be found at:

http://www.uk.amsat.org/colloquium/twelve

73

Dave Johnson, G4DPZ
AMSAT-UK

4618. CubeSats to Deploy from ISS September 10

Yahoo group: eu-amsat
Date: 2012-09-02 10:38:55 UTC
From: Trevor .
Topic: 4618 Message: 4618

Masahiro Arai JN1GKZ reports that JAXA have announced that five CubeSats will be deployed from the ISS on Monday, September 10. The deployment process commences at 1300 UT.

Four of them contain amateur radio payloads and should be receivable in the amateur 2m, 70cm, 6cm bands and optically! - yes one of them will flash a Morse code message that should be visible to observers on Earth.

Frequency information and a video of the planned deployment can be seen at

http://www.uk.amsat.org/?p=10119

The AMSAT-UK International Space Colloquium takes place in Guildford, Surrey, September 15-16. The event is open to all and there is a visit to the satellite facilities in the new Surrey Satellite Technology Limited (SSTL) Kepler Building. Further details at

http://www.uk.amsat.org/?p=9565

Trevor M5AKA

4619. Pulsed Plasma Thruster Satellite PROITERES Launched

Yahoo group: eu-amsat
Date: 2012-09-09 09:36:16 UTC
From: Trevor .
Topic: 4619 Message: 4619

The Japanese amateur radio satellite PROITERES was launched Sunday, September 9 at 0423 UT on PSLV-C21 from the Indian Space Research Organisation (ISRO) Satish Dhawan space centre. The satellite SPOT6 was on the same launch into a 654 km × 643 km, 98.28º inclination orbit. The rocket was fitted with the mini Redundant Strapdown Inertial Navigation System (mRESINS).

PROITERES was built by a team of students and faculty members of Osaka Institute of Technology (OIT) and the spacecraft aims to demonstrate powered flight using a Pulsed Plasma Thruster (PPT) engine.

Mike Rupprecht DK3WN reported hearing PROITERES, callsign JL3YZK, on 437.485 MHz at 07:36 UT.
Further info and launch video at http://www.uk.amsat.org/10201
73 Trevor M5AKA

4620. Spectrum Issues + Interview with AMSAT President

Yahoo group: eu-amsat
Date: 2012-09-11 15:47:29 UTC
From: Trevor .
Topic: 4620 Message: 4620

The spectrum issues faced by moon-bounce (EME) operators are similar to those affecting the Amateur-satellite Service, see this video made by volunteers from the British Amateur Television Club (BATC):

http://www.uk.amsat.org/?p=10253

HamRadioNow – “AMSAT Mission to MARS?*” - interview with AMSAT-NA President
http://www.uk.amsat.org/?p=10262

73 Trevor M5AKA

4621. International Space Colloquium Webstreaming + New Digital Satellites

Yahoo group: eu-amsat
Date: 2012-09-14 11:56:30 UTC
From: Trevor .
Topic: 4621 Message: 4621

The AMSAT-UK International Space Colloquium is being held this weekend September 15-16, 2012 at the Holiday Inn, Guildford, GU2 7XZ.
http://www.uk.amsat.org/?p=9565

Day visitors to the event are most welcome. Access to the Colloquium is via the hotel side entrance by the GB4FUN communications module.

The British Amateur Television Club (BATC) will be streaming the event at http://www.batc.tv/ Check under Live Events or possibly Film Archive.

Depending on the internet connection it will either be live, or downloaded to the film archive shortly after each individual lecture has been delivered.

Presentation Schedule
http://www.uk.amsat.org/colloquium/twelve/colloquium-schedule

---
Also some new digital satellites were launched yesterday see
http://www.uk.amsat.org/?p=10297

73 Trevor M5AKA

4622. Fwd: [Forum] Absage des DLR zum DLR/P5- bzw. Mascot 2-Projekt / in deutsch und englisch

Yahoo group: eu-amsat
Date: 2012-09-15 10:38:55 UTC
From: Thomas Frey
Topic: 4622 Message: 4622
Attachments: 1 described; binary payloads are missing from this source WARC

Guten Tag zusammen, die folgende Mitteilung ist im letzten AMSAT -DL Journal veröffentlicht
Auf Grund der Wichtigkeit haben sich der Amsat - DL Vorstand und

4623. Videos of AMSAT-UK Colloquium Presentations Available

Yahoo group: eu-amsat
Date: 2012-09-15 17:15:46 UTC
From: Trevor .
Topic: 4623 Message: 4623

You can view the presentations given to the AMSAT-UK International Space Colloquium 2012 on Saturday, September 15 by following these steps:

- Go to http://www.batc.tv/
- Click on "Film Archive"
- Select "AMSAT 2012" in Category box and click on Select Category
- Select a presentation in Stream box and click on Select Stream
- Click the > button on the video player window

The live webstreaming has finished for today but will resume tomorrow, Sunday morning at about 9:20 BST.

The British Amateur Television Club (BATC) are streaming the event at http://www.batc.tv/

Direct link to Live Events http://www.batc.tv/ch_live.php

Day visitors to the event are most welcome. Access to the Colloquium is via the hotel side entrance by the GB4FUN communications module.

73 Trevor M5AKA
AMSAT-UK http://www.uk.amsat.org/

4624. Re: [amsat-bb] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-20 17:53:56 UTC
From: Luc Leblanc
Topic: 4624 Message: 4624

On 19 Sep 2012 at 21:48, i8cvs wrote:

Date sent: Wed, 19 Sep 2012 21:48:01 +0200
From: i8cvs <domenico.i8cvs@...>
Subject: [amsat-bb] Re: Information on Ballots

> Hi Jim, WA4IVM
>
> You are AMSAT member numbar 31517.....OK ?
> The ballots sent by Martha to all AMSAT members in USA and outside
> USA was 3176.....OK ?
> My question is: Why 31517 and more ballots where not sent to all
> USA and ouside USA members ?
>
> I guess that 31517 - 3176 = 28341 are AMSAT members paying
> anymore their AMSAT membership and this is a very big numbar
> meaning that AMSAT is loosing credibility all around the world !
>
> Considering the 3176 ballots sent by Martha only 700 ballots
> were sent back voting.....OK ?
>
> I am AMSAT member numbar 798 but I will start again to pay my
> annual membership and for all negative back years as soon AMSAT
> will start again to work around a HEO satellite as promised to all
> of as on paper.....PHASE III.....a satellite for all !
>
> If you are happy as things are going I am not because when AO40
> died I losted a lot of money invested in equipments and antennas for
> nothing !
>
> 73" de
> i8CVS Domenico
>
>
Hi Domenico

I discuss the dismantling of my anf 5 other VE satellite amateur station in the past 3 weeks. (Incluging Clare VE3NPC that i meet last week
in Ottawa) They all come the the same conclusion NO HEO no more AMSAT NA members, and no more sustainable amateur satellite mass operators.

I don't know if i am still in the AMSAT-NA black list or cencorship list or called it anything else... but there is nothing more to expect
from this group aside of parroting news from other cube sats launch and grid chasing...

When i invest my money in the amateur satellite business i put my expenses in the liabilities column and the AMSAT membership fees in the
bad debt line under the same column but my unpaid years in the assets column.

P.S. If you don't see it in the AMSAT-NA bb you will know why...

73 and take care.

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4625. Re: [eu-amsat] Re: [amsat-bb] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-20 21:28:11 UTC
From: Luciano Gasparini
Topic: 4624 Message: 4625

Domenico,
perché ci sono tantissimi persone che desiderano parlare con il satellite HEO e non aiutano alla Amsat-DL?
Possiamo fare diverso degli altri se siamo uniti con i tedeschi.

Luciano Gasparini PT9KK

Sent from my iPhone

On 20/09/2012, at 14:53, Luc Leblanc <lucleblanc6@...> wrote:

> On 19 Sep 2012 at 21:48, i8cvs wrote:
>
> Date sent: Wed, 19 Sep 2012 21:48:01 +0200
> From: i8cvs <domenico.i8cvs@...>
> Subject: [amsat-bb] Re: Information on Ballots
>
> > Hi Jim, WA4IVM
> >
> > You are AMSAT member numbar 31517.....OK ?
> > The ballots sent by Martha to all AMSAT members in USA and outside
> > USA was 3176.....OK ?
> > My question is: Why 31517 and more ballots where not sent to all
> > USA and ouside USA members ?
> >
> > I guess that 31517 - 3176 = 28341 are AMSAT members paying
> > anymore their AMSAT membership and this is a very big numbar
> > meaning that AMSAT is loosing credibility all around the world !
> >
> > Considering the 3176 ballots sent by Martha only 700 ballots
> > were sent back voting.....OK ?
> >
> > I am AMSAT member numbar 798 but I will start again to pay my
> > annual membership and for all negative back years as soon AMSAT
> > will start again to work around a HEO satellite as promised to all
> > of as on paper.....PHASE III.....a satellite for all !
> >
> > If you are happy as things are going I am not because when AO40
> > died I losted a lot of money invested in equipments and antennas for
> > nothing !
> >
> > 73" de
> > i8CVS Domenico
> >
> >
> Hi Domenico

>
> I discuss the dismantling of my anf 5 other VE satellite amateur station in the past 3 weeks. (Incluging Clare VE3NPC that i meet last week
> in Ottawa) They all come the the same conclusion NO HEO no more AMSAT NA members, and no more sustainable amateur satellite mass operators.
>
> I don't know if i am still in the AMSAT-NA black list or cencorship list or called it anything else... but there is nothing more to expect
> from this group aside of parroting news from other cube sats launch and grid chasing...
>
> When i invest my money in the amateur satellite business i put my expenses in the liabilities column and the AMSAT membership fees in the
> bad debt line under the same column but my unpaid years in the assets column.
>
> P.S. If you don't see it in the AMSAT-NA bb you will know why...
>
> 73 and take care.
>
> "-"
>
> Luc Leblanc VE2DWE
> Skype VE2DWE
> HTTP://www.qsl.net/ve2dwe
> DSTAR urcall VE2DWE
> WAC BASIC CW PHONE SATELLITE
>
>
>
>
>
>
>

4626. Re: [eu-amsat] Re: [amsat-bb] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 12:20:59 UTC
From: Luciano Gasparini
Topic: 4624 Message: 4626

Domenico,

according to the following sentence:

"Furthermore we are very actively exploiting a potential shared ride of an amateur radio payload on a new geostationary satellite.
We have already submitted a formal project proposal.
The satellite will be visible from Europe. No antenna tracking will be necessary.
The big advantage of this project is that due to the operational requirements of the primary payload, our launching and commissioning is tied to the not too far future."

May I assume the satellite will be over China/Asia and won't be visible to us in South America?

I'm looking forward to hearing from you and our colleagues.

73,

Luciano PT9KK

Sent from my iPhone

On 21/09/2012, at 00:54, "i8cvs" <domenico.i8cvs@...> wrote:

> Hi Luciano, PT9KK
>
> Unfortunately AMSAT-DL will not receive any help from the German Ministry of Economics and the German space agency DLR to launch P5A and P3E and so AMSAT-DL is actually looking for a possible launch with the help of AMSAT China CAMSAT as you can read here:
>
> http://www.southgatearc.org/news/september2012/amsat_dl_statement.htm
>
> All AMSAT organizations in the world joint togheter are not capable to collect money to pay the launch of a HEO satellite like P3E and so the help of governement of China is actually the only possibility.
>
> NO HEO no more AMSAT NA members, and no more sustainable amateur satellite mass operators.
>
>
> 73" de
>
> i8CVS Domenico
> ----- Original Message -----
> From: Luciano Gasparini
> To: eu-amsat@yahoogroups.com
> Cc: amsat-bb@... ; i8cvs ; eu-amsat@yahoogroups.com

> Sent: Thursday, September 20, 2012 11:28 PM
> Subject: Re: [eu-amsat] Re: [amsat-bb] Re: Information on Ballots
>
> Domenico,
> perché ci sono tantissimi persone che desiderano parlare con il satellite HEO e non aiutano alla Amsat-DL?
> Possiamo fare diverso degli altri se siamo uniti con i tedeschi.
>
> Luciano Gasparini PT9KK
>
> Sent from my iPhone
>
> On 20/09/2012, at 14:53, Luc Leblanc <lucleblanc6@...> wrote:
>
>> On 19 Sep 2012 at 21:48, i8cvs wrote:
>>
>> Date sent: Wed, 19 Sep 2012 21:48:01 +0200
>> From: i8cvs <domenico.i8cvs@tin.it>
>> Subject: [amsat-bb] Re: Information on Ballots
>>
>> > Hi Jim, WA4IVM
>> >
>> > You are AMSAT member numbar 31517.....OK ?
>> > The ballots sent by Martha to all AMSAT members in USA and outside
>> > USA was 3176.....OK ?
>> > My question is: Why 31517 and more ballots where not sent to all
>> > USA and ouside USA members ?
>> >
>> > I guess that 31517 - 3176 = 28341 are AMSAT members paying
>> > anymore their AMSAT membership and this is a very big numbar
>> > meaning that AMSAT is loosing credibility all around the world !
>> >
>> > Considering the 3176 ballots sent by Martha only 700 ballots
>> > were sent back voting.....OK ?
>> >
>> > I am AMSAT member numbar 798 but I will start again to pay my
>> > annual membership and for all negative back years as soon AMSAT
>> > will start again to work around a HEO satellite as promised to all
>> > of as on paper.....PHASE III.....a satellite for all !
>> >
>> > If you are happy as things are going I am not because when AO40
>> > died I losted a lot of money invested in equipments and antennas for
>> > nothing !
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>> > i8CVS Domenico
>> >
>> >
>> Hi Domenico
>>

>> I discuss the dismantling of my anf 5 other VE satellite amateur station in the past 3 weeks. (Incluging Clare VE3NPC that i meet last week
>> in Ottawa) They all come the the same conclusion NO HEO no more AMSAT NA members, and no more sustainable amateur satellite mass operators.
>>
>> I don't know if i am still in the AMSAT-NA black list or cencorship list or called it anything else... but there is nothing more to expect
>> from this group aside of parroting news from other cube sats launch and grid chasing...
>>
>> When i invest my money in the amateur satellite business i put my expenses in the liabilities column and the AMSAT membership fees in the
>> bad debt line under the same column but my unpaid years in the assets column.
>>
>> P.S. If you don't see it in the AMSAT-NA bb you will know why...
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>> "-"
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>> Luc Leblanc VE2DWE
>> Skype VE2DWE
>> HTTP://www.qsl.net/ve2dwe
>> DSTAR urcall VE2DWE
>> WAC BASIC CW PHONE SATELLITE
>>
>>
>>
> =

4627. Re: [eu-amsat] Re: [amsat-bb] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 13:05:30 UTC
From: Thomas Frey
Topic: 4624 Message: 4627

Dear OM's

I'm also very interested for the future of AMSAT-DL and its projects.
The Mars-mission P5A is cancelled now but NOT P3E. Please download
and view Peters presentation at www.batc.tv to have an impression.

I have to read my AMSAT-DL journal this weekend. If I find any
concrete mission, I will let you know it. After the meeting in
Bochum this year I hope there will be also some good news.

Luciano Gasparini schrieb:
>
>
> Domenico,
>
> according to the following sentence:
>
> "Furthermore we are very actively exploiting a potential shared ride
> of an amateur radio payload on a new geostationary satellite.
> We have already submitted a formal project proposal.
> _The satellite will be visible from Europe. No antenna tracking will
> be necessary._
> The big advantage of this project is that due to the operational
> requirements of the primary payload, our launching and commissioning
> is tied to the not too far future."
>
> May I assume the satellite will be over China/Asia and won't be
> visible to us in South America?
>
> I'm looking forward to hearing from you and our colleagues.
>
> 73,
>
> Luciano PT9KK
>
> Sent from my iPhone
>
> On 21/09/2012, at 00:54, "i8cvs" <domenico.i8cvs@...
> <mailto:domenico.i8cvs@...>> wrote:
>
>> Hi Luciano, PT9KK
>> Unfortunately AMSAT-DL will not receive any help from the German
>> Ministry of Economics and the German space agency DLR to launch P5A
>> and P3E and so AMSAT-DL is actually looking for a possible launch
>> with the help of AMSAT China CAMSAT as you can read here:
>> http://www.southgatearc.org/news/september2012/amsat_dl_statement.htm

>> All AMSAT organizations in the world joint togheter are not capable
>> to collect money to pay the launch of a HEO satellite like P3E and so
>> the help of governement of China is actually the only possibility.
>> NO HEO no more AMSAT NA members, and no more sustainable amateur
>> satellite mass operators.
>>
>> 73" de
>> i8CVS Domenico
>>

--

Mit freundlichen Grüssen, Best Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4628. Re: [eu-amsat] Re: [amsat-bb] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 13:22:52 UTC
From: Luciano Gasparini
Topic: 4624 Message: 4628

I'm quite confident Amsat-DL will achieve its goals, but would be quite helpful if someone could, at a proper time, let us know more details.
I've mentioned "proper time" as I'm aware launching business is quite expensive and further negotiations must be kept in secret for our own benefit.
Having said that, I'm willing to assist Amsat-DL as much as I can so to start using P3E.

73,

Luciano PT9KK

Sent from my iPhone

On 21/09/2012, at 10:05, Thomas Frey <th.frey@...> wrote:

> Dear OM's
>
> I'm also very interested for the future of AMSAT-DL and its projects.
> The Mars-mission P5A is cancelled now but NOT P3E. Please download
> and view Peters presentation at www.batc.tv to have an impression.
>
> I have to read my AMSAT-DL journal this weekend. If I find any
> concrete mission, I will let you know it. After the meeting in
> Bochum this year I hope there will be also some good news.
>
> Luciano Gasparini schrieb:
> >
> >
> > Domenico,
> >
> > according to the following sentence:
> >
> > "Furthermore we are very actively exploiting a potential shared ride
> > of an amateur radio payload on a new geostationary satellite.
> > We have already submitted a formal project proposal.
> > _The satellite will be visible from Europe. No antenna tracking will
> > be necessary._
> > The big advantage of this project is that due to the operational
> > requirements of the primary payload, our launching and commissioning
> > is tied to the not too far future."
> >
> > May I assume the satellite will be over China/Asia and won't be
> > visible to us in South America?
> >
> > I'm looking forward to hearing from you and our colleagues.
> >
> > 73,

> >
> > Luciano PT9KK
> >
> > Sent from my iPhone
> >
> > On 21/09/2012, at 00:54, "i8cvs" <domenico.i8cvs@...
> > <mailto:domenico.i8cvs@...>> wrote:
> >
> >> Hi Luciano, PT9KK
> >> Unfortunately AMSAT-DL will not receive any help from the German
> >> Ministry of Economics and the German space agency DLR to launch P5A
> >> and P3E and so AMSAT-DL is actually looking for a possible launch
> >> with the help of AMSAT China CAMSAT as you can read here:
> >> http://www.southgatearc.org/news/september2012/amsat_dl_statement.htm
> >> All AMSAT organizations in the world joint togheter are not capable
> >> to collect money to pay the launch of a HEO satellite like P3E and so
> >> the help of governement of China is actually the only possibility.
> >> NO HEO no more AMSAT NA members, and no more sustainable amateur
> >> satellite mass operators.
> >>
> >> 73" de
> >> i8CVS Domenico
> >>
>
> --
>
> Mit freundlichen Grüssen, Best Regards, 73
> Thomas Frey, HB9SKA
> _____
>
> Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
> http://home.datacomm.ch/th.frey/
>
>

4629. Re: [eu-amsat] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 14:30:02 UTC
From: Trevor .
Topic: 4629 Message: 4629

--- On Fri, 21/9/12, Luciano Gasparini <luciano_nachif@...> wrote:
> May I assume the satellite will be over China/Asia and won't be
> visible to us in South America?

I got the impression it was over Uganda in East Africa, no idea what the coverage will be but I'd guess about 60 degrees West would be the limit of coverage.

73 Trevor M5AKA

4630. Re: [eu-amsat] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 15:49:20 UTC
From: Luciano Gasparini
Topic: 4629 Message: 4630

I'm at 32 South and 52 West as I write this message, and plan to be here for the years to come. If it weren't for my bad luck, I would have no luck at all.

Could you confirm that 60 West will be the edge, please?

73,
Luciano PT9KK

Sent from my iPhone

On 21/09/2012, at 11:30, "Trevor ." <m5aka@yahoo.co.uk> wrote:

> --- On Fri, 21/9/12, Luciano Gasparini <luciano_nachif@...> wrote:
> > May I assume the satellite will be over China/Asia and won't be
> > visible to us in South America?
>
> I got the impression it was over Uganda in East Africa, no idea what the coverage will be but I'd guess about 60 degrees West would be the limit of coverage.
>
> 73 Trevor M5AKA
>
>
>
>
>
>

4631. Re: [eu-amsat] Re: Information on Ballots

Yahoo group: eu-amsat
Date: 2012-09-21 19:21:37 UTC
From: Trevor .
Topic: 4629 Message: 4631

--- On Fri, 21/9/12, Luciano Gasparini <luciano_nachif@...> wrote:
> Could you confirm that 60 West will be the edge, please?

No, it was just I got the impression from the presentation that the satellite would be over the Uganda, Kenya region but I could have misunderstood and it may be further East.

I doubt anything will be announced regarding coverage area until everything has been finalised which could be many months away. In his talk Peter said the issue of antennas still had to be resolved. I gather the positioning of the lowest frequency antenna on 2.4 GHz may present some challenges.

73 Trevor M5AKA

--- On Fri, 21/9/12, Luciano Gasparini <luciano_nachif@...> wrote:

> May I assume the satellite will be over China/Asia and won't be

> visible to us in South America?

I got the impression it was over Uganda in East Africa, no idea what the coverage will be but I'd guess about 60 degrees West would be the limit of coverage.

73 Trevor M5AKA

=

4632. Re: [amsat-bb] Re: Satellites

Yahoo group: eu-amsat
Date: 2012-09-23 08:20:56 UTC
From: Luc Leblanc
Topic: 4632 Message: 4632

Excerpt from Gus 8P6SM

> it is embarrassing to consider how much PROGRESS we've made in the last twenty years.
>

>
> So yes, my friend. Work 'em while they're there! Because it sure don't
> look like we are going to get any more. And even if we do, don't expect
> to get anything even REMOTELY as advanced as we used to have, two
> decades ago. Nowadays, ker-chunking a flying repeater is the absolute
> height of satellite sophistication!

Adding the average age factor of the folks running the AMSAT-NA business at any level and the others involved they will not be there to
sustained this organization... Just look back the last 10 years it is always the same names we see at the AMSAT-NA BOD

Excerpt from Bob W7LRD

The amateur satellite community were the first to try lots of new launch
technology, and to bear the risk of those tests. Those technologies now
earn millions for the launch providers every year, but we don't earn a
cent and we certainly don't rate even the occasional free ride. We have
no friends in those launch providers. We have no friends in NASA,
apparently. We have no friends in government. We have nothing much,
really..

Any real business administrator will concluded that an organization in this present state and context can't survive. The others so called
administrator are offering their own solution eg:

"Then I guess we won't have to read any more complaining e-mail anymore"

"Sorry to say but after the first reading, you can suppose the e-mail
content from the subject, so you always have the "Canc" key; let people
expose their free opinions until their are in topic."

"I could not agree with you more John. But, I think I am seeing same folks griping
from at least 7 years ago. Maybe it is time for an AMSAT members only BB."

Now read below and draw your own conclusions some are showing up where their "Skills" came from.

Italy is often now described as Europe´s "too big to fail´' economy. The amount of its debt held by foreigners - nearly 800 billon euros -
is more than that of Greece, Ireland and Portugal combined. The debt problem is compounded by the country´s economic slowdown -
in December 2011, the government´s minister for economic development proclaimed that Italy

had already entered a recession.

As read elsewhere follow this link to know why there will be no more amateur radio satellite eg: HEO-MEO!

http://www.usdebtclock.org/

I repeat since so many years that HEO-MEO are the only way to go that i'm seeing more and more peoples starting to understand this very
simple issue. The amateur radio satellite field is dying at the same pace of his remaining LEO satellite.

Excuses, complaints, name calling, and so on will not change the crude reality, and if an organization who rely solely on a financial issue
to explain their inability to achieved their goals they should honestly start to manage their decay.

Again i refrain myself to point any individual i'm just looking at the facts. Time is confirming what i wrote in the past 10 years and it
is illogical to not see the unavoidable outcome but i understand the trend...http://www.usdebtclock.org/

P.S. Do you really think that "Maybe it is time for an AMSAT members only BB." will solved the censorship issue at AMSAT-NA? No...and for
those who rely on grid chasing and contest just look at this very instructive video made by K1OIK who speaks the truth about ham radio.
Contesters, "a proud and meaningless association of human beings"

Here is the link: http://www.youtube.com/watch?v=IWE7FrVY9T4&feature=related

I meet that guy last year in a Hamfest and we have some common opinions, i disagree on some but not all.

Again i'm only "quoting" him flame him not the messenger...BTW have a look at his other instructive video :) i like his "sense of humor"
eg: http://www.youtube.com/watch?v=dcuAnz0BmKA&feature=relmfu

"-"

Luc Leblanc VE2DWE
Skype VE2DWE
HTTP://www.qsl.net/ve2dwe
DSTAR urcall VE2DWE
WAC BASIC CW PHONE SATELLITE

4633. Radio amateurs asked to help track and decode the F-1 CubeSat

Yahoo group: eu-amsat
Date: 2012-09-24 16:23:21 UTC
From: Trevor .
Topic: 4633 Message: 4633

The amateur radio F-1 CubeSat was built by the FSpace team of young engineers and students at the FPT University. F-1 is planned to deploy from the International Space Station (ISS) in the second J-SSOD pod on Thursday, September 27 at about 1630-1640 UT.

Thu Trong Vu XV9AA provides an update on the CubeSat and asks other radio amateurs around the world to assist in tracking and decoding the telemetry from F-1 callsign XV1VN.

See http://www.uk.amsat.org/?p=10480

---
73 Trevor M5AKA
You can join AMSAT-UK at http://tinyurl.com/JoinAMSAT-UK

4634. UKube-1 Cubesat books a ride on Soyuz-2 rocket

Yahoo group: eu-amsat
Date: 2012-09-26 11:16:58 UTC
From: Trevor .
Topic: 4634 Message: 4634

The UK Space Agency has announced that UKube-1, which carries an AMSAT-UK 435/145 MHz linear transponder, has booked a flight on a Soyuz-2 rocket.

See http://www.uk.amsat.org/?p=10497

73 Trevor M5AKA
Join AMSAT-UK at http://tinyurl.com/JoinAMSAT-UK

4635. FITSAT-1 – Signal Reports Requested

Yahoo group: eu-amsat
Date: 2012-10-03 11:08:04 UTC
From: Trevor .
Topic: 4635 Message: 4635

```
FITSAT-1 - Signal Reports Requested
http://www.uk.amsat.org/?p=10701

Radio amateurs asked to help track and decode the F-1 CubeSat
http://www.uk.amsat.org/?p=10480

Live broadcast of ISS Amateur Radio CubeSat Deployment October 4
http://www.uk.amsat.org/?p=10119

73 Trevor M5AKA
AMSAT-UK http://www.amsat-uk.org/
----
```

4636. Euroluna Google Lunar X-Prize Quarterly Update

Yahoo group: eu-amsat
Date: 2012-10-03 19:35:50 UTC
From: Trevor .
Topic: 4636 Message: 4636

The President of Euroluna, Palle Haastrup OZ1HIA, provides a video update on the progress of the Euroluna Google Lunar X-Prize team who are aiming to land a rover on the Moon.

Their first amateur radio spacecraft Romit1 is a 2U CubeSat that will transmit on 437.505 MHz. It will be fitted with an Ion Motor capable of raising the orbit from 310 km to 700 km.

Watch the videos at http://www.uk.amsat.org/?p=10731

73 Trevor M5AKA
AMSAT-UK http://www.amsat-uk.org/

4637. We wish reception report

Yahoo group: eu-amsat
Date: 2012-10-04 15:25:12 UTC
From: Nitin Muttin
Topic: 4637 Message: 4637

All,

Saw only one satellite deployed at 14:37 UTC from ISS before the live webcast was disrupted. , not sure whether it was " We Wish" or "Raiko" . Nothing heard on 437.505 Mhz (We wish frequency) after the deployment from ISS at 15:07 UTC pass over India.

73
Nitin [VU3TYG]

4638. AMSAT INDIA Youtube Channel

Yahoo group: eu-amsat
Date: 2012-10-04 15:58:02 UTC
From: Nitin Muttin
Topic: 4638 Message: 4638

All,

I have created a channel for AMSAT INDIA on youtube and uploaded some content. Please feel free to subscribe and share your comments .

https://www.youtube.com/user/amsatindia

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA

4639. Re: [eu-amsat] We wish reception report

Yahoo group: eu-amsat
Date: 2012-10-04 17:05:50 UTC
From: Thomas Frey
Topic: 4637 Message: 4639

Nitin Muttin schrieb:
>
>
> All,
>
> Saw only one satellite deployed at 14:37 UTC from ISS before the live
> webcast was disrupted. , not sure whether it was " We Wish" or "Raiko"
> . Nothing heard on 437.505 Mhz (We wish frequency) after the
> deployment from ISS at 15:07 UTC pass over India.
>
> 73
> Nitin [VU3TYG]
>
Hello Nitin

Maik Hermenau reportet in the AMSAT-DL Forum all CubeSats are
released. Trevor published the frequencies several times, see
http://www.uk.amsat.org/?p=10119 . You can use Kepler data for the
ISS during the next days. Good luck.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4640. Re: [eu-amsat] We wish reception report

Yahoo group: eu-amsat
Date: 2012-10-04 17:16:06 UTC
From: Nitin Muttin
Topic: 4637 Message: 4640

Thanks Thomas, Glad to know that all the satellites are deployed. I am following the ISS keps for the satellites.

73
Nitin [VU3TYG]

From: Thomas Frey <th.frey@...>
To: eu-amsat@yahoogroups.com
Sent: Thursday, 4 October 2012 10:35 PM
Subject: Re: [eu-amsat] We wish reception report

Nitin Muttin schrieb:
>
>
> All,
>
> Saw only one satellite deployed at 14:37 UTC from ISS before the live
> webcast was disrupted. , not sure whether it was " We Wish" or "Raiko"
> . Nothing heard on 437.505 Mhz (We wish frequency) after the
> deployment from ISS at 15:07 UTC pass over India.
>
> 73
> Nitin [VU3TYG]
>
Hello Nitin

Maik Hermenau reportet in the AMSAT-DL Forum all CubeSats are released. Trevor published the frequencies several times, see http://www.uk.amsat.org/?p=10119 . You can use Kepler data for the ISS during the next days. Good luck.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4641. FITSAT Heard over VU

Yahoo group: eu-amsat
Date: 2012-10-05 01:28:33 UTC
From: Nitin Muttin
Topic: 4641 Message: 4641

Very strong CW signals from FITSAT-1 on 437.250 Mhz during the 01:03 UTC pass over India.

A recording of the CW beacon heard can be found at http://vu3tyg.info/Telemetry-Reports/ or http://vu3tyg.info/Telemetry-Reports/FITSAT/rec1005-063137.mp3.

Will continue to listen for F1, We Wish and Techedsat.

73
Nitin [VU3TYG]

4642. Re: [eu-amsat] FITSAT Heard over VU

Yahoo group: eu-amsat
Date: 2012-10-05 12:34:50 UTC
From: pmafer
Topic: 4641 Message: 4642

Anyone got tle for this bird?

On Fri, Oct 5, 2012 at 2:28 AM, Nitin Muttin <vu3tyg@...> wrote:

> **
>
>
> Very strong CW signals from FITSAT-1 on 437.250 Mhz during the 01:03 UTC
> pass over India.
>
> A recording of the CW beacon heard can be found at
> http://vu3tyg.info/Telemetry-Reports/ or
> http://vu3tyg.info/Telemetry-Reports/FITSAT/rec1005-063137.mp3.
>
> Will continue to listen for F1, We Wish and Techedsat.
>
> 73
> Nitin [VU3TYG]
>
>
>

4643. AMSAT-DL Satellite Symposium and AGM October 13

Yahoo group: eu-amsat
Date: 2012-10-06 21:37:49 UTC
From: Trevor .
Topic: 4643 Message: 4643

The AMSAT-DL Satellite Symposium and AGM takes place October 13 at Bochum.

For some reason neither Google or Bing language translators can handle the URL below but putting it into the Chrome browser and clicking translate works fine:

http://www.amsat-dl.org/index.php/news-mainmenu-97/155-amsat-dl-symposium-und-jhv-2012

73 Trevor M5AKA

4644. Re: [eu-amsat] AMSAT-DL Satellite Symposium and AGM October 13

Yahoo group: eu-amsat
Date: 2012-10-07 12:43:45 UTC
From: Thomas Frey
Topic: 4643 Message: 4644

Trevor . schrieb:
> The AMSAT-DL Satellite Symposium and AGM takes place October 13 at Bochum.
>
> For some reason neither Google or Bing language translators can handle the URL below but putting it into the Chrome browser and clicking translate works fine:
>
> http://www.amsat-dl.org/index.php/news-mainmenu-97/155-amsat-dl-symposium-und-jhv-2012
>
> 73 Trevor M5AKA
> ----
>
>
This is a translation with Bing Translator:

Satellite Symposium and AMSAT-DL AGM 2012 print E-Mail
Saturday, the 06 October 2012 at 00: 00 clock

Dear members, dear friends,

Bochum-mini.jpgauch this year takes place Symposium and our annual general meeting again the AMSAT-DL under the Radom of 20 m antenna in the IUZ Bochum.

AMSAT-DL Symposium 2012
in the Radom of IUZ
Blankensteiner road 200a
44797 Bochum
13 October 2012

Time UTC day
10: 00-11: 00

Mike Rupprecht, DK3WN

News from the "little ones" and his work as the IARU satellite Coordinator
11: 00-12: 00

William Leijenaar, PA1RAH

Transponder technology for Cubesats
12: 00-13: 00

Mario Lorenz, DL5MLO

New STEREO and first private space telescope MPST
13: 00-14: 00

Lunch break (snack spot)
14: 00-16: 00

General Assembly the AMSAT Germany e.V.

Guests are welcome!

-current status of AMSAT P3-E and P5-A (Mars/Moon)

-Board of Directors report

-Exchange of views, miscellaneous

Travel information

Driving directions

Googel maps

Data for GPS users: the IUZ (Observatory) has the geographic coordinates of 07° 11' 39 "East and 51° 25' 40" North.

In navigation systems, you can enter the address Blankensteiner road 147 in Bochum for the parking space. Please also use a navigation system read the following description to the parking.

Directions by car

First go to the motorway A 43 (Wuppertal Münster) and in the AK Bochum/Witten, exit Bochum traverses Castle (Ruhr-Universität, exit n ° 19) leave the A-43. It comes on the University Road and turn in this direction Bochum-Zentrum and Ruhr-University. The University leaves left and looks after about 3.5 km left in the median strip the tram station "Mark Str."

In this amount leaving the University Road to right on the exit "Mark Str." Below on the mark road you turn right direction Bochum-Linden/Weitmar.

Mark road in the left lane of straight off Linden/Weitmar Lane, if there are two straight arrows, and over 3 km straight ahead pass over several lights, always direction. In a town centre with shops we arrive then at an intersection, the left is a black skyscraper with many mobile radio antennas.

Also this junction the line crosses and follows the further course of the road, which now changes its name to "Henry-King-Straße". After 1 km there is right a large yellow sign: Linden straight Observatory left off. Unpaved accordingly at the crossing left into Blankensteiner Straße in direction Observatory (if you missed that post, comes at the next intersection at a lock sign.) (Where you should turn left and is again right). Now, in a Tempo-30-Zone and drives 1.4 km through a forest (watch out for joggers, Walkern, skaters, pedestrians, cyclists, horseback riders, radar guns).

At the end of the forest, the road is curvy, and you can see a sign there right to the restaurant "Waldesruh", there it goes right into the entrance and immediately left on the big square signposted as "public parking" and get off. Where the electrical low voltage overhead line at the car park runs, there is a walk in the back left corner towards IUZ, the venue. If get there through the bushes, you can see the direction South already the large dome of Radom. Follow the footpath on the playground over and reached the tarmac Obernbaakstraße 5 minutes away on foot. Follow it to the left to the entrance gate of IUZ (approx. 1 min) before the Radom. (Access to the IUZ to the Obernbaakstraße is different from the postal address!)

Note: The square directly in front of the Radom should be not parked to, because it is required for the logistics.

Directions by public transport

Bochum central station is by train (including ICE). There you move up at the bus station outside the main entrance in the bus of line 353 aiming at Bochum-Sundern (this destination specification must be front on the bus!).

The destination station to the IUZ called "Observatory", is a station before the terminus of the line. Going there on foot to the confluence with the Obernbaakstraße until you reach the entrance to the Radom. The buses after Sundern on Saturdays between one and three times per hour, depending on the time of day.

The fare is the journey time approx. 2 EUR, price level A. 30 minutes, caution: some buses only up to the Blankensteiner Street, and you would have to then do the above "jogging path" through the forest to the Observatory on foot (about 1/2 hour walk!). The return trip to the station is again with the bus line 353 toward "Castrop-rauxel Cathedral square".

Of course, there are also taxes in Bochum, Germany, for example, Tel. 0234-333 000 hotel accommodations abound for example at Bochum Hauptbahnhof.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4645. Projects from KJ6LRR - Ganesan

Yahoo group: eu-amsat
Date: 2012-10-13 07:03:20 UTC
From: Nitin Muttin
Topic: 4645 Message: 4645

FYI.

Ganesan , KJ6LRR (Awaiting his Indian HAM license) is part of the Technical committe of AMSAT INDIA and has designed and build engineering versions of a Linear Transponder and cubesat comm system which are currently being tested. Details are available in the below url of AI newsletters.

http://amsatindia.org/Newsletter/AMSATINDIA-News-April2011.pdf

http://amsatindia.org/Newsletter/AmsatIndia-News-May-09.pdf

He is also working on other projects related to amateur radio , more information available at his blog http://homebrewcorner.blogspot.in/ . I am sure he will comeup with interesting projects / products which will be of interest to Radio Hams for operations on Amateur Radio satellites.

73
Nitin [VU3TYG]
Secretary, AMSAT INDIA.

4646. CAS-2A1 and CAS-2A2 Linear Transponder Amateur Radio Satellites

Yahoo group: eu-amsat
Date: 2012-10-18 20:47:37 UTC
From: Trevor .
Topic: 4646 Message: 4646

I like the look of these two satellites.

See http://www.uk.amsat.org/?p=11108

73 Trevor M5AKA
AMSAT-UK http://www.amsat-uk.org/

4649. ITU paper sopress amateurs radio satellite

Yahoo group: eu-amsat
Date: 2012-11-01 22:38:30 UTC
From: Roberto
Topic: 4649 Message: 4649

Hello on web site ITU sopress paper amateurs :
M.1041-1 (10/98)
M.1041 (03/94)
M.1042-2 (06/03)
M.1042-1 (10/98)
M.1042 (03/94)
M.1043-1 (10/98)
M.1043 (03/94)

I do not know why?

73 de iw5bsf Roberto

4650. Re: [eu-amsat] ITU paper sopress amateurs radio satellite

Yahoo group: eu-amsat
Date: 2012-11-02 14:48:39 UTC
From: Thomas Frey
Topic: 4649 Message: 4650

Roberto schrieb:
> Hello on web site ITU sopress paper amateurs :
> M.1041-1 (10/98)
> M.1041 (03/94)
> M.1042-2 (06/03)
> M.1042-1 (10/98)
> M.1042 (03/94)
> M.1043-1 (10/98)
> M.1043 (03/94)
>
> I do not know why?
>
> 73 de iw5bsf Roberto
>
>
>
>
Hello Roberto

http://www.itu.org/ has a server or URL problem (error 403).

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4651. Re: ITU paper sopress amateurs radio satellite

Yahoo group: eu-amsat
Date: 2012-11-02 20:56:03 UTC
From: Roberto
Topic: 4649 Message: 4651

ok Thomas
Thank
73 de iw5bsf Roberto

4652. KiwiSAT paper presented to Viet Nam Conference

Yahoo group: eu-amsat
Date: 2012-11-05 17:23:08 UTC
From: Trevor .
Topic: 4652 Message: 4652

A report on KiwiSAT has been submitted to the IARU Region 3 conference taking place at the Kimdo-Royal City Hotel in Viet Nam.

The paper mentions a planned launch date of 3rd quarter 2013 "subject to financing".

The paper says: "Total costs to date is a mere NZ$39,000 which is a very minor amount compared with the $1,000,000 required to cover the launch costs."

Read the paper KiwiSAT - A Project of AMSAT-ZL at
http://www.iaru-r3.org/15r3c/docs/035.doc

Other IARU Region 3 conferences papers can be read at
http://www.iaru-r3.org/15r3c/docs/docs.htm

A picture of the delegates is at
http://www.dermandar.com/p/bByKak

73 Trevor M5AKA
AMSAT-UK http://www.amsat-uk.org/

4653. Videos of AMSAT-UK FUNcube-1

Yahoo group: eu-amsat
Date: 2012-11-06 10:26:46 UTC
From: Trevor .
Topic: 4653 Message: 4653

A collection of videos have been released showing work on the AMSAT-UK FUNcube-1 spacecraft that is aiming to launch in the first half of 2013.

The videos include a time-lapse of FUNcube-1 flight integration in the ISIS clean-room.

http://www.uk.amsat.org/?p=11333

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73 Trevor M5AKA
AMSAT-UK http://www.amsat-uk.org/

4654. GERMAN SPACE AGENCY REJECTS AMSAT DL

Yahoo group: eu-amsat
Date: 2012-11-13 16:23:13 UTC
From: Thomas Frey
Topic: 4654 Message: 4654

A little bit late, but read yourself at
http://www.arnewsline.org/storage/scripts/nsln1839.txt

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4655. RE: [eu-amsat] GERMAN SPACE AGENCY REJECTS AMSAT DL

Yahoo group: eu-amsat
Date: 2012-11-13 18:50:40 UTC
From: Simon G4ELI/HB9DRV
Topic: 4654 Message: 4655

Thomas,

"The decision by the German Space Agency also affects plans for a geostationary Earth-orbiting ham radio satellite."

Simon G4ELI/HB9DRV

http://dit-dit-dit.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf Of Thomas Frey

A little bit late, but read yourself at http://www.arnewsline.org/storage/scripts/nsln1839.txt

4656. RE: [eu-amsat] GERMAN SPACE AGENCY REJECTS AMSAT DL

Yahoo group: eu-amsat
Date: 2012-11-13 19:05:22 UTC
From: Trevor .
Topic: 4654 Message: 4656

--- On Tue, 13/11/12, Simon G4ELI/HB9DRV <simon@...> wrote:
> “The decision by the German Space Agency also affects plans for a
> geostationary Earth-orbiting ham radio satellite.”

Isn't the Geo decision down to whether there is enough room on the exterior to fit the antennas ?

Does anyone have an update on it ?

73 Trevor M5AKA

4657. M2 Antennas

Yahoo group: eu-amsat
Date: 2012-11-13 20:20:28 UTC
From: martin
Topic: 4657 Message: 4657

Hi Guys i am looking for opinions on the M2 Eggbeater antennas, am aware that they will be a compromise compared to beams but only have enough space for the eggbeaters, how well do they work ect

Martin G7JWR

g7jwr@...m

4658. Re: [eu-amsat] GERMAN SPACE AGENCY REJECTS AMSAT DL

Yahoo group: eu-amsat
Date: 2012-11-13 20:50:15 UTC
From: Thomas Frey
Topic: 4654 Message: 4658

Trevor . schrieb:
> --- On Tue, 13/11/12, Simon G4ELI/HB9DRV<simon@...> wrote:
>
>> “The decision by the German Space Agency also affects plans for a
>> geostationary Earth-orbiting ham radio satellite.”
>>
> Isn't the Geo decision down to whether there is enough room on the exterior to fit the antennas ?
>
> Does anyone have an update on it ?
>
> 73 Trevor M5AKA
> ----
>

Hello Simon and Trevor

I don't know what kind of plans this are. There is also a "plan" for
a moon mission - P5A-Moon. But nothing is concrete. I'm waiting for
the next printed Journal at beginning of December and hope for more
concrete news. I let you know it here.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4659. RE: [eu-amsat] M2 Antennas

Yahoo group: eu-amsat
Date: 2012-11-14 02:57:13 UTC
From: R Oler
Topic: 4657 Message: 4659

Hey Martin...My impression from other M2 antennas that I have used is that they are well built...as for an Eggbeater...I ran one for a bit (five years) in my Dodge Pickup truck (a Ram 1500) as my ISS/satellite antenna. It beat the heck out of my 2 meter vertical and I was "pretty" happy with how well it handled some of the trees on the streets that I drove in, although I did work pretty hard subconsciously to dodge the trees.

It came off my truck when the club I am with put a buoy together and we use the antenna on the buoy for APRS and data transmission...it does really well in this as its near the "MARS" rig in the Gulf ie about 300 miles offshore...and does pretty good. (and even though homemade has lasted some time...it is mostly composite)

They wont take the place of small yagis...even a three element CP Yagi in my view does better...but my experience is that a 2 element XP is about even. but you have to aim it..

Robert G. Oler WB5MZO
To: eu-amsat@yahoogroups.com
From: g7jwr@...
Date: Tue, 13 Nov 2012 20:20:28 +0000
Subject: [eu-amsat] M2 Antennas

Hi Guys i am looking for opinions on the M2 Eggbeater antennas, am aware that they will be a compromise compared to beams but only have enough space for the eggbeaters, how well do they work ect

Martin G7JWR

g7jwr@...

4660. Heavily overloaded uplinks

Yahoo group: eu-amsat
Date: 2012-11-18 18:48:17 UTC
From: OM0AAO Viliam
Topic: 4660 Message: 4660

Hi folks,

please watch carefully for the EIRP (power multiplied antenna gain minus coax losses).

Too much EIRP causes not only problems to the other stations on the bird but also could damage battery on the sat.

If your signal is good readable and suddenly changes to distorted and weak, there is other signal on the transponder that takes too much current from solar cells/battery.

This is usually symptom on the AO-7 but now starting on the VO-52. Did not understand why you must be S9+. S7 not enoungh to make contact?

You think - what is he talking about? S9+? My meter showing max. S3 and some signals are not audible?

Remember that directional antenna with AZ/EL rotor and low-loss preamp make great change!

My RX setup on 2m:

5el.vertically polarized DK7ZB http://www.qsl.net/dk7zb/
HA8ET ATF-51389 preamp http://www.ha8et.hu/
AZ/EL rotor with DF9GR interface http://easy-rotor-control.com/
home made XVRT 2m/10m
President Lincoln with IF 10,7MHz out mod
Softrock Ensemble http://www.wb5rvz.com/sdr/ensemble/
E-MU 0202
PowerSDR 2.44 with http://code.google.com/p/powersdr-iq/downloads/list

Please pay attention to improve RX - it is cheaper than power amplifier, no TVI, better hearing = more fun!

73'Viliam, OM0AAO / OM0A from KN09dd

4661. ISS ATV - Summer 2013

Yahoo group: eu-amsat
Date: 2012-11-22 21:45:50 UTC
From: Trevor .
Topic: 4661 Message: 4661

The Deutscher Amateur Radio Club is reporting that the HAMVideo equipment for the Columbus module of the International Space Station is currently planned to fly on the Japanese freighter HTV4 in July 2013.

The first function test of the equipment by the astronaut Luca Parmitano KF5KDP may take place in August 2013

http://translate.google.co.uk/translate?u=http%3A%2F%2Fwww.darc.de%2F&sl=de&tl=en&hl=&ie=UTF-8

73 Trevor M5AKA

4662. RE: [eu-amsat] ISS ATV - Summer 2013

Yahoo group: eu-amsat
Date: 2012-11-23 03:28:26 UTC
From: R Oler
Topic: 4661 Message: 4662

I cannot get the link to work Robert WB5MZO

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Thu, 22 Nov 2012 21:45:50 +0000
Subject: [eu-amsat] ISS ATV - Summer 2013

The Deutscher Amateur Radio Club is reporting that the HAMVideo equipment for the Columbus module of the International Space Station is currently planned to fly on the Japanese freighter HTV4 in July 2013.

The first function test of the equipment by the astronaut Luca Parmitano KF5KDP may take place in August 2013

http://translate.google.co.uk/translate?u=http%3A%2F%2Fwww.darc.de%2F&sl=de&tl=en&hl=&ie=UTF-8

73 Trevor M5AKA

4663. RE: [eu-amsat] ISS ATV - Summer 2013

Yahoo group: eu-amsat
Date: 2012-11-23 03:46:09 UTC
From: R Oler
Topic: 4661 Message: 4663

My bad...just need to keep trying...finally got it RGO WB5MZO

To: eu-amsat@yahoogroups.com
From: orbitjet@...
Date: Thu, 22 Nov 2012 21:28:26 -0600
Subject: RE: [eu-amsat] ISS ATV - Summer 2013

I cannot get the link to work Robert WB5MZO

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Thu, 22 Nov 2012 21:45:50 +0000
Subject: [eu-amsat] ISS ATV - Summer 2013

The Deutscher Amateur Radio Club is reporting that the HAMVideo equipment for the Columbus module of the International Space Station is currently planned to fly on the Japanese freighter HTV4 in July 2013.

The first function test of the equipment by the astronaut Luca Parmitano KF5KDP may take place in August 2013

http://translate.google.co.uk/translate?u=http%3A%2F%2Fwww.darc.de%2F&sl=de&tl=en&hl=&ie=UTF-8

73 Trevor M5AKA

4664. RE: [eu-amsat] ISS ATV - Summer 2013

Yahoo group: eu-amsat
Date: 2012-11-23 11:21:23 UTC
From: Trevor .
Topic: 4661 Message: 4664

Works here, try this instead:

http://tinyurl.com/germanyDARC

and then read the news item titled - New ARISS Chairman, new video equipment

73 Trevor M5AKA

--- On Fri, 23/11/12, R Oler <orbitjet@...> wrote:

From: R Oler <orbitjet@...>
Subject: RE: [eu-amsat] ISS ATV - Summer 2013
To: eu-amsat@yahoogroups.com
Date: Friday, 23 November, 2012, 3:28

I cannot get the link to work Robert WB5MZO

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Thu, 22 Nov 2012 21:45:50 +0000
Subject: [eu-amsat] ISS ATV - Summer 2013

The Deutscher Amateur Radio Club is reporting that the HAMVideo equipment for the Columbus module of the International Space Station is currently planned to fly on the Japanese freighter HTV4 in July 2013.

The first function test of the equipment by the astronaut Luca Parmitano KF5KDP may take place in August 2013

http://translate.google.co.uk/translate?u=http%3A%2F%2Fwww.darc.de%2F&sl=de&tl=en&hl=&ie=UTF-8

73 Trevor M5AKA

4668. RE: [eu-amsat] 29 MHz Receiver

Yahoo group: eu-amsat
Date: 2012-11-26 00:53:18 UTC
From: R Oler
Topic: 4665 Message: 4668

Trevor...neat RX ...

Do you have any notion of what it might fly on? (I Like the idea of 10 meters up)...and also the Space station video equipment...is it fast scan on 70cm? Robert WB5MZO

To: eu-amsat@yahoogroups.com
From: m5aka@...
Date: Sun, 25 Nov 2012 16:29:15 +0000
Subject: [eu-amsat] 29 MHz Receiver

The circuit diagram of a 29 MHz receiver developed by David Bowman G0MRF to be part of a 29 to 145 MHz transponder can be downloaded from the AMSAT-UK website at:

http://www.uk.amsat.org/?page_id=11615

73 Trevor M5AKA

AMSAT-UK http://www.amsat-uk.org/

4675. Sirius satellites beacons +/- 2320.190 MHz ?

Yahoo group: eu-amsat
Date: 2012-12-04 16:04:38 UTC
From: f6htj
Topic: 4675 Message: 4675

Hello all; for information I was told by Piero
I5CTE there is permanent continuous carrier beacon around 2320.190 MHz (+/- doppler)
coming from 1 of the 3 Sirius elliptic NA satellites.
It appears reception is very good here with small 20 turn helix
antenna (in spite of 12m heliax coax) peaking 539.
Apogee (50000km) around 325deg with 27deg elevation.
F5BOF reports same signal with small hand held 25 elements f9ft yagi.

So these are for us very interesting beacons. Depending hours we can receive 1 o 2 sats.
Real time positions (Sirius-1 / Sirius-2 / Sirius-3) here:
http://www.n2yo.com/satellites/?c=33
Any info about beacon sat polarisation and eirp ?

73 de Michel F6HTJ
Amsat #7409

4679. Does this group accept messages?

Yahoo group: eu-amsat
Date: 2012-11-17 09:05:11 UTC
From: hpaesler01
Topic: 4679 Message: 4679

Hi,

I tried to answer to a public message twice three days ago but both messages didn't make it through. A personal message to myself worked.

I have not seen any post in the last days.

Can anybody confirm please if the system is alive?

73 Hartmut

4680. Re: GERMAN SPACE AGENCY REJECTS AMSAT DL

Yahoo group: eu-amsat
Date: 2012-11-14 21:55:06 UTC
From: hpaesler01
Topic: 4654 Message: 4680

I sent this message approx. 2 hours ago but it seems as if it didn't get through. So this is the second try.

Dear group,

to avoid Chinese Whispers:

AMSAT-DL never planned a GEO satellite in the past and does not at present. The reasons were already discussed in length. However, there were serious negotiations for kind of piggy-pack on a commercial GEO satellite. For technical reasons (for example due to antenna restrictions it would have a microwave spot beam that covers only an area equivalent to one half of Germany plus massive of other technical challenges) chances are not too good.

About a AMSAT-DL moon mission I have to go a bit more into detail: In 2009 we did a Concurrent Engineering study in collaboration with DLR Bremen to prove the technical feasibility of a P5-A mars mission. DLR would provide scientific payloads and other help. Since a suitable launch window to Mars is not before 2018, DLR suggested an interim mission (~2014) to Moon to prepare for the Mars mission. It had some really nice payloads.

So we first did the study of a Moon mission and then for a Mars mission. It was proven and documented that both missions are technically feasible using the "AMSAT approach". Collaboration between the DLR Bremen people and AMSAT-DL was excellent.

We even, especially because DLR management asked to do so, focused on the Moon mission first when we met with german government representatives and the chief executive of DLR Germany. It quickly turned out that the government is not so interested in a Moon mission and another meeting with strong emphasis on Mars was held some weeks later. That was in November/December 2011.

The rest is more or less as you read in the news item. I suspect there was a slight misunderstanding in the definitions between a GEO (geostationary) satellite and a GTO (which is only a temporary transfer orbit) which is needed to put a P3 satellite into HEO. Hopefully, this message clarified things.

73,

Hartmut DL1YDD
AMSAT-DL VP

--- In eu-amsat@yahoogroups.com, "Simon G4ELI/HB9DRV" <simon@...> wrote:
>
> Thomas,
>
>
>
> "The decision by the German Space Agency also affects plans for a
> geostationary Earth-orbiting ham radio satellite."

>
>
>
> Simon G4ELI/HB9DRV
>
> http://dit-dit-dit.com
>
>
>
> From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
> Of Thomas Frey
>
> A little bit late, but read yourself at
> http://www.arnewsline.org/storage/scripts/nsln1839.txt
>

4686. Thanks for your support

Yahoo group: eu-amsat
Date: 2012-12-22 19:03:22 UTC
From: allan_gm1sxx
Topic: 4686 Message: 4686

Hi.

This group has been running for about 8 years and has averaged around 180-200 members. Unfortunately Makis SV1BSX who originally set up the group passed away several years ago. John LA2QAA who was one of the other group moderators lost interest in AMSAT many years ago, leaving myself as the sole moderator. I contacted John recently, but when he left the group, he'd 'binned' all references to this group years ago, so can't take over again as Moderator. Like myself, John now pursues new interests.

I lost interest in AMSAT many years ago when 'they got into bed' with the education sector and shifted their focus to FM birds and CUBESATs. I haven't the slightest interest in any of these birds.

As of several years ago, since Makis passed away, I am now the only remaining moderator, but unfortunately for me, I can't do what I wish and promote anyone else in the group to moderator status, before I bow out of the group. I would have liked to have asked Mike DK3WN to be the group moderator, but I can't. This is because of the way Makis set up the original group with him as group owner and John and I as Group Moderators with somewhat more limited privileges. In short, I can't elevate anyone else to Moderator.

For myself, my interests in amateur radio are stronger than ever (I was licensed in 1986) but I haven't the slightest interest in AMSAT any more. As far as I'm concerned, they threw the baby out with the bath-water many years ago. It's now a very different organisation from the one I joined, and had such great pride in.

Could I please respectfully suggest that someone from the group sets up a new EU-AMSAT group, perhaps maybe EU-AMSAT-NEW and invite the members of this group to join it, since there is still an obvious interest in promoting a European Amateur Satellite group on Yahoo.
Mike? Anyone?

Thank you all for your support for this group over the years. By any measure, it was a success, for what at the start was a small splinter group free of AMSAT BB 'rules'. I believe that was a major contribution to its success.

Hopefully a new group can be created.... but just watch those Yahoo Moderator rules :-)

Wishing you all a Merry Christmas and a Happy New Year when they arrive.

The EU-AMSAT group will stay live for the foreseeable future, But I urge group members to use the EU-AMSAT group to elect Moderators and create a new Yahoo group that the members of this group may 'migrate' to. As of now, I won't be around to approve new members and suchlike.

Finally, Makis left an excellent legacy to ham radio operators in the form of projects and info. You can see more at...

http://www.qsl.net/sv1bsx/homebrew.html

It's worth a look.

73 Al.
GM1SXX

4690. A replacement group.

Yahoo group: eu-amsat
Date: 2012-12-23 10:12:48 UTC
From: allan_gm1sxx
Topic: 4690 Message: 4690

Hi Folks.

Because of the problems encountered with managing this group, I'm working on a direct replacement for it which will resolve the problems I'm having with this group.

The members of this group will all receive an invite to join the new group, but this process will take a few days because of the way that YAHOO Groups operate.

Yahoo limits the number of invites that are allowed daily.
You can be assured that everyone who uses this group will receive an invite to the new group over the holiday period.

The new group will have the same 'look and feel' as the old one and you should only really notice a slight change of name, to EU_AMSAT rather than the current name (EU-AMSAT).

When the work of transferring members across is complete, I'll 'freeze' the old group but leave it in place for reference only.

This is the best fix for the problems I've been encountering and should ensure that the group can continue to operate into the future.

At that point, I'll bow out and pass control to new moderators.

Kind Regards,
Allan Copland
GM1SXX

4691. RE: [eu-amsat] A replacement group.

Yahoo group: eu-amsat
Date: 2012-12-23 11:13:11 UTC
From: Simon G4ELI/HB9DRV
Topic: 4690 Message: 4691

Allan,

We can also apply to join the group is you publish the URL.

Simon G4ELI/HB9DRV

http://dit-dit-dit.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of allan_gm1sxx
Sent: 23 December 2012 11:13
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] A replacement group.

Hi Folks.

Because of the problems encountered with managing this group, I'm working on
a direct replacement for it which will resolve the problems I'm having with
this group.

The members of this group will all receive an invite to join the new group,
but this process will take a few days because of the way that YAHOO Groups
operate.

Yahoo limits the number of invites that are allowed daily.
You can be assured that everyone who uses this group will receive an invite
to the new group over the holiday period.

The new group will have the same 'look and feel' as the old one and you
should only really notice a slight change of name, to EU_AMSAT rather than
the current name (EU-AMSAT).

When the work of transferring members across is complete, I'll 'freeze' the
old group but leave it in place for reference only.

This is the best fix for the problems I've been encountering and should
ensure that the group can continue to operate into the future.

At that point, I'll bow out and pass control to new moderators.

Kind Regards,
Allan Copland
GM1SXX

4692. Re: A replacement group. Fast Track Membership.

Yahoo group: eu-amsat
Date: 2012-12-23 12:47:07 UTC
From: allan_gm1sxx
Topic: 4690 Message: 4692

--- In eu-amsat@yahoogroups.com, "Simon G4ELI/HB9DRV" <simon@...> wrote:
>
> Allan,
>
> We can also apply to join the group is you publish the URL.
> Simon G4ELI/HB9DRV
>
> http://dit-dit-dit.com

Well spotted Simon. For anyone who wants a fast-track invite to join the group, you can do so at...

EU_AMSAT-subscribe@...

Have a good Christmas.

Al.
GM1SXX

4693. RE: [eu-amsat] Re: A replacement group. Fast Track Membership.

Yahoo group: eu-amsat
Date: 2012-12-23 17:48:56 UTC
From: Simon G4ELI/HB9DRV
Topic: 4690 Message: 4693

The group's homepage is http://uk.groups.yahoo.com/group/EU_AMSAT/

Simon G4ELI/HB9DRV

http://dit-dit-dit.com

From: eu-amsat@yahoogroups.com [mailto:eu-amsat@yahoogroups.com] On Behalf
Of allan_gm1sxx
Sent: 23 December 2012 13:47
To: eu-amsat@yahoogroups.com
Subject: [eu-amsat] Re: A replacement group. Fast Track Membership.

--- In eu-amsat@yahoogroups.com <mailto:eu-amsat%40yahoogroups.com> , "Simon
G4ELI/HB9DRV" <simon@...> wrote:
>
> Allan,
>
> We can also apply to join the group is you publish the URL.
> Simon G4ELI/HB9DRV
>
> http://dit-dit-dit.com

Well spotted Simon. For anyone who wants a fast-track invite to join the
group, you can do so at...

EU_AMSAT-subscribe@...
<mailto:EU_AMSAT-subscribe%40yahoogroups.co.uk>

Have a good Christmas.

Al.
GM1SXX

4694. Re: A replacement group. Fast Track Membership.

Yahoo group: eu-amsat
Date: 2012-12-24 09:59:53 UTC
From: eu-amsat-owner@yahoogroups.com
Topic: 4690 Message: 4694

Thanks Simon.

Other readers should note that the new group is available and that future postings should be to there. The address is ...
http://uk.groups.yahoo.com/group/EU_AMSAT/

We've signed Simon and a few others over to the new group. Anyone else who posts a request will also be approved as soon as we can manage.

Regards,
Group Moderator

--- In eu-amsat@yahoogroups.com, "Simon G4ELI/HB9DRV" <simon@...> wrote:
> The *new* group's homepage is http://uk.groups.yahoo.com/group/EU_AMSAT/
>
> Simon G4ELI/HB9DRV
>
> http://dit-dit-dit.com
>

4697. This group is now discontinued.

Yahoo group: eu-amsat
Date: 2013-01-14 08:44:48 UTC
From: eu-amsat-owner@yahoogroups.com
Topic: 4697 Message: 4697

IMPORTANT

Please post to the new group in future.
Messages posted to this group in future will be deleted.

http://uk.groups.yahoo.com/group/eu_amsat/

Most members of the old group should already have received invites to transfer to the new group. Only a few members still have to be sent out invites, so *now* is the time to transfer to the new group.

4699. AMSAT 80m UK Net

Yahoo group: eu-amsat
Date: 2013-02-10 10:48:53 UTC
From: Simon G4ELI/HB9DRV
Topic: 4699 Message: 4699

Hi All,

A recording of this morning's net (poor conditions) is available here:
http://www.dit-dit-dit.com/Downloads.aspx

I've switched to WMA in my code for audio recordings rather than MP3.

Simon G4ELI/HB9DRV

http://dit-dit-dit.com

4700. This Group is now discontinued.

Yahoo group: eu-amsat
Date: 2013-02-14 14:26:34 UTC
From: allan_gm1sxx
Topic: 4699 Message: 4700

Please join the new group.

EU_AMSAT

4701. Luciano Gasparini

Yahoo group: eu-amsat
Date: 2013-03-06 00:10:30 UTC
From: Luciano Gasparini
Topic: 4701 Message: 4701

http://incognitodesign.co.in/jt/blsskdg/gmsmdgnyzy

4702. RE: hi

Yahoo group: eu-amsat
Date: 2013-04-18 18:53:28 UTC
From: Dallas & Linda Rodgers
Topic: 4702 Message: 4702

http://www.planmedia.info/components/com_content/surprise.php?afzxrpbyum714ihwcz

==========
He drops more names than a telephone book with bad binding. -- Michel Marriott

4703. 'AmsatDroid Free' Prediction and Tracking App. on Google Play and Amazon Market

Yahoo group: eu-amsat
Date: 2013-06-25 12:06:41 UTC
From: David Johnson
Topic: 4703 Message: 4703

This was originally HamsatDroid. The name has been changed so that it better suits it's role as a fund raiser for AMSAT worlwide. The current version is free but there will be a paid version in the very near future with more features.

73

Dave, G4DPZ

4704. My cousin

Yahoo group: eu-amsat
Date: 2013-10-28 07:22:29 UTC
From: IAIN MCKERACHER
Topic: 4704 Message: 4704

How are you doing? This has had to come in a hurry and it has left me in a devastating state. i traveled to the imperial college,Maritime Medical Center,
Swansea Wales) to see my cousin who is critically ill.He is been diagnosed with (Acute Lymphoblastic Leukemia). I was advised that the only way he can survive is by undergoing a BMT (Bone Marrow Transplant)

Please I really need your assistance as this is a matter of life and death.I hope you get back to me as soon as you get this mail

Thanks and Regards,

Iain

4705. Re: [eu-amsat] My cousin

Yahoo group: eu-amsat
Date: 2013-10-28 10:34:55 UTC
From: Thomas Frey
Topic: 4704 Message: 4705

IAIN MCKERACHER schrieb:
>
>
> How are you doing? This has had to come in a hurry and it has left me
> in a devastating state. i traveled to the imperial college,Maritime
> Medical Center,
>
This is a spam mail !! Please delete this mail and also this member !
Otherwise we will receive tons of spam in future from this Iain McKeracher,
Thank you.

--

Mit freundlichen Gr?ssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4706. SATPC32 locks with IC-7000

Yahoo group: eu-amsat
Date: 2013-12-15 17:37:04 UTC
From: <ea6vq_ml@...>
Topic: 4706 Message: 4706

I have just got the CAT cable for my IC-7000. I have configured CAT connection in SATPC32 V 12.8b DEMO and it initially works (I see frequency changin in the rig), but after some time the programs locks and I have to kill it from windows task-manager. This happens sometimes when I change from one satellite to another or when I manually change the frequency using the rig's dial.

Any idea of what can be wrong?

Thanks

4707. Re: [eu-amsat] SATPC32 locks with IC-7000

Yahoo group: eu-amsat
Date: 2013-12-15 19:12:45 UTC
From: Thomas Frey
Topic: 4706 Message: 4707

ea6vq_ml@... schrieb:
>
>
> I have just got the CAT cable for my IC-7000. I have configured CAT
> connection in SATPC32 V 12.8b DEMO and it initially works (I see
> frequency changin in the rig), but after some time the programs locks
> and I have to kill it from windows task-manager. This happens
> sometimes when I change from one satellite to another or when I
> manually change the frequency using the rig's dial.
>
> Any idea of what can be wrong?
>
> Thanks
>
>
I'm not a SatPC32 user but it looks like a data overflow on the
serial port.

--

Mit freundlichen Grüssen, Regards, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel. + Fax: 056 444 93 41
http://home.datacomm.ch/th.frey/

4708. from: Dallas Rodgers

Yahoo group: eu-amsat
Date: 2014-07-11 13:38:32 UTC
From: Dallas Rodgers
Topic: 4708 Message: 4708

Salutations eu

http://brlinformatica.com.br/wa_2_p/pa_1fgdpk16xh809pdq/cold.php?muuhbtbk2458qnyyrth

Dallas Rodgers

4709. Re: [eu-amsat] from: Dallas Rodgers

Yahoo group: eu-amsat
Date: 2014-07-11 19:27:03 UTC
From: Thomas Frey
Topic: 4708 Message: 4709

PLEASE NO SPAM !!!!

'Dallas Rodgers' adlkrodgers@... [eu-amsat] schrieb:
> Salutations eu
>
>
>
> http://brlinformatica.com.br/wa_2_p/pa_1fgdpk16xh809pdq/cold.php?muuhbtbk2458qnyyrth
>
>
>
>
> Dallas Rodgers
>
>
>
>
> ------------------------------------
> Posted by: "Dallas Rodgers"<adlkrodgers@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

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Mit freundlichen Gr?ssen, 73
Thomas Frey, HB9SKA

Thomas Frey, Holzgasse 2, CH-5242 Birr, Tel.: 056 444 93 41
http://home.datacomm.ch/th.frey/

4710. Emergency

Yahoo group: eu-amsat
Date: 2014-07-22 19:01:53 UTC
From: IAIN MCKERACHER
Topic: 4710 Message: 4710

Hello

How are you doing? I am currently in Kiev, Ukraine). Please I really need your assistance as this is a matter of Urgency. Kindly get back to me as soon as you get this mail, Thanks

Best regards

Finlay McKeracher